EA Engineering, Science, and Technology, Inc.

RECEIVED
2007 JUL 26 PM 4:40
SUPERFUND DIV.
REMEDIAL BRANCH
(6SF-R)

South Central Region
405 S. Highway 121, Suite C-100
Lewisville, TX 75067
Telephone: 972-315-3922
Fax: 972-315-5181
www.eaest.com

10 July 2007

Mr. Gary Miller
Task Order Monitor
U.S. Environmental Protection Agency (EPA)
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Subject: **Analytical Data Package/Electronic Data Deliverable**
Ground Water Split Samples (4 – 5 June 2007)
Gulfco Marine Maintenance Site RI/FS Oversight
U.S. Environmental Protection Agency Region 6
Remedial Action Contract 2, Contract: EP-W-06-004
Task Order: 0006-RSBD-06JZ

Dear Mr. Miller:

For the above-referenced Task Order, EA Engineering, Science, and Technology, Inc. (EA) is enclosing one original hard copy of the complete analytical data package associated with the following ground water split samples obtained from 4 – 5 June 2007:

- MW28A (monitoring well NC2MW28A)
- MW29 (monitoring well ND3MW29A)
- OMW21 (monitoring well OMW21)
- OMW27B (monitoring well OMW27B)

All ground water split samples were analyzed for volatile organic compounds (SW-846 Method 8260B), semivolatile organic compounds (SW-846 Method 8270C), pesticides (SW-846 Method 8081A), and total metals (SW-846 Methods 6010B/7471A).

EA will also transmit the electronic version of the electronic data deliverable and associated analytical data package to EPA via e-mail.

If you have any questions regarding this submittal, please call me at (972) 459-5040.

217685

Sincerely,

Luis Vega
Project Manager

Enclosure

cc: Cora Stanley, EPA Contracting Officer (letter only)
Rena McClurg, EPA Project Officer (letter only)
Fritz Meyer, EA Program Manager (letter only via e-mail)
Jeff Hills, EA Financial Manager (letter only via e-mail)
File

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW21	I7F050254	3	WATER	6/4/2007	Boron	7440428	2.9		1	0.01	mg/L	6010B	5	6/5/2007	6/6/2007	6/8/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Aluminum	7429905	1730		50	30.3	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Antimony	7440360	0.78	B	1	0.029	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Arsenic	7440382	7.2		1	0.034	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Barium	7440393	112		1	0.18	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Beryllium	7440417	ND		1	0.023	ug/L	6020	1	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Cadmium	7440439	0.1	B	1	0.023	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Cobalt	7440484	7.8		1	0.024	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Copper	7440508	33.2		1	0.13	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Iron	7439896	25700		50	13.8	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Lead	7439921	1.2		1	0.05	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Lithium	7439932	360		80	2.2	ug/L	6020	10	6/5/2007	6/11/2007	6/14/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Manganese	7439965	7140		100	2.2	ug/L	6020	10	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Nickel	7440020	23.1		1	0.13	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Selenium	7782492	ND		1	0.11	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Silver	7440224	0.08	B	1	0.04	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Thallium	7440280	0.031	B	1	0.019	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Titanium	7440326	1990		100	6	ug/L	6020	10	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Zinc	7440666	7.4	B	10	2.1	ug/L	6020	1	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Mercury	7439976	ND		0.0002	0.00006	mg/L	7470A	1	6/5/2007	6/14/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4,4'-DDD	72548	ND		0.05	0.0077	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4,4'-DDE	72559	ND		0.05	0.0075	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4,4'-DDT	50293	ND		0.05	0.015	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Aldrin	309002	ND		0.05	0.0059	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	alpha-BHC	319846	ND		0.05	0.0053	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	alpha-Chlordane	5103719	ND		0.05	0.0053	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	beta-BHC	319857	ND		0.05	0.0087	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	delta-BHC	319868	ND		0.05	0.0058	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dieldrin	60571	ND		0.05	0.0063	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endosulfan I	959988	ND		0.05	0.0058	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endosulfan II	33213659	ND		0.05	0.007	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endosulfan sulfate	1031078	ND		0.05	0.0057	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endrin	72208	ND		0.05	0.0079	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endrin aldehyde	7421934	ND		0.05	0.0088	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Endrin ketone	53494705	ND		0.05	0.007	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	gamma-BHC (Lindane)	58899	ND		0.05	0.0069	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	gamma-Chlordane	5103742	ND		0.05	0.0091	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Heptachlor	76448	ND		0.05	0.0077	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Heptachlor epoxide	1024573	ND		0.05	0.0075	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Methoxychlor	72435	ND		0.1	0.013	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Toxaphene	8001352	ND		2.5	0.37	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,3-Dichloropropane	142289	ND		1	0.29	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW21	I7F050254	3	WATER	6/4/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Butanone (MEK)	78933	1	J	5	0.84	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acetone	67641	6.5		5	0.82	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Bromodichloromethane	75274	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Bromoform	75252	ND		2	0.27	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Carbon disulfide	75150	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Chloroform	67663	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dibromochloromethane	124481	ND		1	0.28	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dibromomethane	74953	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/5/2007	6/15/2007	6/15/2007	
OMW21	I7F050254	3	WATER	6/4/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	ND		9.5	0.18	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4,5-Trichlorophenol	95954	ND		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4,6-Trichlorophenol	88062	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4-Dichlorophenol	120832	ND		9.5	0.84	ug/L	8270C	0 95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4-Dimethylphenol	105679	ND		9.5	1.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4-Dinitrophenol	51285	ND		48	4.8	ug/L	8270C	0 95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,4-Dinitrotoluene	121142	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2,6-Dinitrotoluene	606202	ND		9.5	0.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Chloronaphthalene	91587	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW21	I7F050254	3	WATER	6/4/2007	2-Chlorophenol	95578	ND		9.5	0.95	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Methylnaphthalene	91576	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Methylphenol	95487	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Nitroaniline	88744	ND		48	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	2-Nitrophenol	88755	ND		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	3,3'-Dichlorobenzidine	91941	ND		48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	3-Nitroaniline	99092	ND		48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4,6-Dinitro-2-methylphenol	534521	ND		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Bromophenyl phenyl ether	101553	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Chloro-3-methylphenol	59507	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Chloroaniline	106478	ND		9.5	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Chlorophenyl phenyl ether	7005723	ND		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Nitroaniline	100016	ND		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	4-Nitrophenol	100027	ND		48	4.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acenaphthene	83329	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acenaphthylene	208968	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Acetophenone	98862	ND		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Aniline	62533	ND		9.5	4.3	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Anthracene	120127	ND		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzidine	92875	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzo(a)anthracene	56553	ND		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzo(a)pyrene	50328	ND		9.5	0.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzo(b)fluoranthene	205992	ND		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzo(ghi)perylene	191242	ND		9.5	0.91	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzo(k)fluoranthene	207089	ND		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzoic acid	65850	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Benzyl alcohol	100516	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Biphenyl	92524	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	bis(2-Chloroethoxy)methane	111911	ND		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	bis(2-Chloroethyl) ether	111444	ND		9.5	0.82	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	bis(2-Chloroisopropyl) ether	108601	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	bis(2-Ethylhexyl) phthalate	117817	ND		9.5	0.53	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Butyl benzyl phthalate	85687	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Caprolactam	105602	ND		9.5	4.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Carbazole	86748	ND		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Chrysene	218019	ND		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Di-n-butyl phthalate	84742	ND		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Di-n-octyl phthalate	117840	ND		9.5	0.58	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dibenz(a,h)anthracene	53703	ND		9.5	0.75	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dibenzofuran	132649	ND		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Diethyl phthalate	84662	ND		9.5	0.71	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Dimethyl phthalate	131113	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Fluoranthene	206440	ND		9.5	0.96	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Fluorene	86737	ND		9.5	0.72	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Hexachlorobenzene	118741	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Hexachlorocyclopentadiene	77474	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Hexachloroethane	67721	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Indeno(1,2,3-cd)pyrene	193395	ND		9.5	0.68	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Isophorone	78591	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	N-Nitrosodi-n-propylamine	621647	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	N-Nitrosodimethylamine	62759	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	N-Nitrosodiphenylamine	86306	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Nitrobenzene	98953	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Phenanthrene	85018	ND		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Phenol	108952	ND		9.5	0.97	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Pyrene	129000	ND		9.5	1.5	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW21	I7F050254	3	WATER	6/4/2007	Pyridine	110861	ND		9.5	4.2	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Boron	7440428	0.03	B	0.2	0.002	mg/L	6010B	1	6/5/2007	6/6/2007	6/7/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Aluminum	7429905	176		50	30.3	ug/L	6020	1	6/5/2007	6/6/2007	6/11/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Antimony	7440360	1		1	0.029	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Arsenic	7440382	4.1		1	0.034	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW27B	I7F050254	1	WATER	6/4/2007	Barium	7440393	292		1	0.18	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Beryllium	7440417	ND		1	0.023	ug/L	6020	1	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Cadmium	7440439	0.095	B	1	0.023	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Cobalt	7440484	2.5		1	0.024	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Copper	7440508	17.8		1	0.13	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Iron	7439896	382		50	13.8	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Lead	7439921	0.22	B	1	0.05	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Lithium	7439932	121		8	0.22	ug/L	6020	1	6/5/2007	6/11/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Manganese	7439965	20.9		10	0.22	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Nickel	7440020	24.7		1	0.13	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Selenium	7782492	ND		1	0.11	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Silver	7440224	0.21	B	1	0.04	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Thallium	7440280	0.068	B	1	0.019	ug/L	6020	1	6/5/2007	6/6/2007	6/8/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Titanium	7440326	1670		100	6	ug/L	6020	10	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Zinc	7440666	9	B	10	2.1	ug/L	6020	1	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Mercury	7439976	ND		0.0002	0.00006	mg/L	7470A	1	6/5/2007	6/14/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4,4'-DDD	72548	ND		0.05	0.0077	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4,4'-DDE	72559	ND		0.05	0.0075	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4,4'-DDT	50293	ND		0.05	0.015	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Aldrin	309002	ND		0.05	0.0059	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	alpha-BHC	319846	ND		0.05	0.0053	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	alpha-Chlordane	5103719	ND		0.05	0.0053	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	beta-BHC	319857	ND		0.05	0.0087	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	delta-BHC	319868	ND		0.05	0.0058	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dieldrin	60571	ND		0.05	0.0063	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endosulfan I	959988	ND		0.05	0.0058	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endosulfan II	33213659	ND		0.05	0.007	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endosulfan sulfate	1031078	ND		0.05	0.0057	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endrin	72208	ND		0.05	0.0079	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endrin aldehyde	7421934	ND		0.05	0.0088	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Endrin ketone	53494705	ND		0.05	0.007	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	gamma-BHC (Lindane)	58899	ND		0.05	0.0069	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	gamma-Chlordane	5103742	ND		0.05	0.0091	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Heptachlor	76448	ND		0.05	0.0077	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Heptachlor epoxide	1024573	ND		0.05	0.0075	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Methoxychlor	72435	ND		0.1	0.013	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Toxaphene	8001352	ND		2.5	0.37	ug/L	8081A	1	6/5/2007	6/7/2007	6/15/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,3-Dichloropropane	142289	ND		1	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Butanone (MEK)	78933	ND		5	0.84	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acetone	67641	8.2		5	0.82	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Bromodichloromethane	75274	3.5		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Bromoform	75252	1.9	J	2	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Carbon disulfide	75150	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Chloroform	67663	2.4		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dibromochloromethane	124481	3.2		1	0.28	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dibromomethane	74953	0.45	J	1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	ND		9.5	0.18	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,5-Trichlorophenol	95954	ND		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,6-Trichlorophenol	88062	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dichlorophenol	120832	ND		9.5	0.84	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dimethylphenol	105679	ND		9.5	1.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrophenol	51285	ND		48	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrotoluene	121142	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2,6-Dinitrotoluene	606202	ND		9.5	0.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chloronaphthalene	91587	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chlorophenol	95578	ND		9.5	0.95	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylnaphthalene	91576	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylphenol	95487	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitroaniline	88744	ND		48	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitrophenol	88755	ND		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	3,3'-Dichlorobenzidine	91941	ND		48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	3-Nitroaniline	99092	ND		48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4,6-Dinitro-2-methylphenol	534521	ND		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Bromophenyl phenyl ether	101553	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloro-3-methylphenol	59507	ND		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloroaniline	106478	ND		9.5	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chlorophenyl phenyl ether	7005723	ND		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitroaniline	100016	ND		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitrophenol	100027	ND		48	4.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthene	83329	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthylene	208968	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Acetophenone	98862	ND		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Aniline	62533	ND		9.5	4.3	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Anthracene	120127	ND		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzidine	92875	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)anthracene	56553	ND		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)pyrene	50328	ND		9.5	0.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(b)fluoranthene	205992	ND		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(ghi)perylene	191242	ND		9.5	0.91	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(k)fluoranthene	207089	ND		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzoic acid	65850	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Benzyl alcohol	100516	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Biphenyl	92524	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethoxy)methane	111911	ND		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethyl) ether	111444	ND		9.5	0.82	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroisopropyl) ether	108601	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Ethylhexyl) phthalate	117817	0.63	J	9.5	0.53	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Butyl benzyl phthalate	85687	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Caprolactam	105602	ND		9.5	4.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Carbazole	86748	ND		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Chrysene	218019	ND		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-butyl phthalate	84742	ND		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-octyl phthalate	117840	ND		9.5	0.58	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenz(a,h)anthracene	53703	ND		9.5	0.75	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenzofuran	132649	ND		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Diethyl phthalate	84662	ND		9.5	0.71	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Dimethyl phthalate	131113	ND		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Fluoranthene	206440	ND		9.5	0.96	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Fluorene	86737	ND		9.5	0.72	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorobenzene	118741	ND		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorocyclopentadiene	77474	ND		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachloroethane	67721	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Indeno(1,2,3-cd)pyrene	193395	ND		9.5	0.68	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Isophorone	78591	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodi-n-propylamine	621647	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodimethylamine	62759	ND		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodiphenylamine	86306	ND		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Nitrobenzene	98953	ND		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Phenanthrene	85018	ND		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Phenol	108952	ND		9.5	0.97	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Pyrene	129000	ND		9.5	1.5	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	Pyridine	110861	ND		9.5	4.2	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	86.9		9.5	0.18	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,5-Trichlorophenol	95954	86.9		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,6-Trichlorophenol	88062	91.1		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dichlorophenol	120832	82.5		9.5	0.84	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dimethylphenol	105679	34.7		9.5	1.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrophenol	51285	96.3		48	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrotoluene	121142	84		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,6-Dinitrotoluene	606202	80.5		9.5	0.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chloronaphthalene	91587	91.1		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chlorophenol	95578	79.4		9.5	0.95	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylnaphthalene	91576	81.7		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylphenol	95487	74.4		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitroaniline	88744	50.1	a	48	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitrophenol	88755	85.2		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	3,3'-Dichlorobenzidine	91941	ND	a	48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	3-Nitroaniline	99092	ND	a	48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4,6-Dinitro-2-methylphenol	534521	91.7		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Bromophenyl phenyl ether	101553	84.6		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloro-3-methylphenol	59507	82.7		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloroaniline	106478	ND	a	9.5	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chlorophenyl phenyl ether	7005723	82.4		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitroaniline	100016	8.8	a	48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitrophenol	100027	102		48	4.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthene	83329	81		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthylene	208968	78.4		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acetophenone	98862	81.9		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Aniline	62533	0	a	9.5	4.3	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Anthracene	120127	77.8		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)anthracene	56553	79.8		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)pyrene	50328	74.4		9.5	0.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(b)fluoranthene	205992	76.2		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(ghi)perylene	191242	84.8		9.5	0.91	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(k)fluoranthene	207089	74.3		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzoic acid	65850	142	a	48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzyl alcohol	100516	82.8		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Biphenyl	92524	99.9		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethoxy)methane	111911	81.8		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethyl) ether	111444	76		9.5	0.82	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroisopropyl) ether	108601	78.3		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Ethylhexyl) phthalate	117817	79.5		9.5	0.53	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Butyl benzyl phthalate	85687	77.3		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Carbazole	86748	82.6		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Chrysene	218019	73.8		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-butyl phthalate	84742	81.8		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-octyl phthalate	117840	76.2		9.5	0.58	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenz(a,h)anthracene	53703	67.3		9.5	0.75	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenzofuran	132649	82.7		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Diethyl phthalate	84662	85.1		9.5	0.71	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dimethyl phthalate	131113	81.6		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Fluoranthene	206440	82.8		9.5	0.96	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Fluorene	86737	81.6		9.5	0.72	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorobenzene	118741	84.5		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorocyclopentadiene	77474	37.1		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachloroethane	67721	76.9		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Indeno(1,2,3-cd)pyrene	193395	79.8		9.5	0.68	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Isophorone	78591	80.1		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodi-n-propylamine	621647	82.9		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodimethylamine	62759	84.4		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodiphenylamine	86306	63.4		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Nitrobenzene	98953	144	a	9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Phenanthrene	85018	85.9		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Phenol	108952	130	a	9.5	0.97	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Pyrene	129000	77.9		9.5	1.5	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Pyridine	110861	22.1		9.5	4.2	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	83.5		9.5	0.18	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,5-Trichlorophenol	95954	84.3		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4,6-Trichlorophenol	88062	88.6		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dichlorophenol	120832	80.5		9.5	0.84	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dimethylphenol	105679	18.9	p	9.5	1.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrophenol	51285	92.4		48	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,4-Dinitrotoluene	121142	81.6		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2,6-Dinitrotoluene	606202	78.4		9.5	0.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chloronaphthalene	91587	87.6		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Chlorophenol	95578	78.5		9.5	0.95	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylnaphthalene	91576	79.8		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Methylphenol	95487	68.3		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitroaniline	88744	36	a p	48	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	2-Nitrophenol	88755	84.8		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	3,3'-Dichlorobenzidine	91941	0	a p	48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	3-Nitroaniline	99092	ND	a p	48	4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4,6-Dinitro-2-methylphenol	534521	91.7		48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Bromophenyl phenyl ether	101553	81.5		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloro-3-methylphenol	59507	78.8		9.5	0.79	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chloroaniline	106478	ND	a p	9.5	4.8	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Chlorophenyl phenyl ether	7005723	81		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitroaniline	100016	3.76	a p	48	3.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	4-Nitrophenol	100027	96.8		48	4.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthene	83329	78.5		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acenaphthylene	208968	75.9		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Acetophenone	98862	80.6		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Aniline	62533	0	a	9.5	4.3	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Anthracene	120127	72.9		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)anthracene	56553	77.2		9.5	1.1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(a)pyrene	50328	71.4		9.5	0.7	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(b)fluoranthene	205992	73.3		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(ghi)perylene	191242	81.9		9.5	0.91	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzo(k)fluoranthene	207089	73.7		9.5	0.81	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzoic acid	65850	153	a	48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Benzyl alcohol	100516	83.6		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Biphenyl	92524	95.7		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethoxy)methane	111911	80.9		9.5	0.9	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroethyl) ether	111444	75.3		9.5	0.82	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Chloroisopropyl) ether	108601	78.8		9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	bis(2-Ethylhexyl) phthalate	117817	77.1		9.5	0.53	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Butyl benzyl phthalate	85687	74		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Carbazole	86748	77.7		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Chrysene	218019	71.5		9.5	1.6	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-butyl phthalate	84742	77.9		9.5	0.92	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Di-n-octyl phthalate	117840	74		9.5	0.58	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenz(a,h)anthracene	53703	65.2		9.5	0.75	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dibenzofuran	132649	80		9.5	0.77	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Diethyl phthalate	84662	77.3		9.5	0.71	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Dimethyl phthalate	131113	80		9.5	0.78	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Fluoranthene	206440	79.7		9.5	0.96	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Fluorene	86737	79.8		9.5	0.72	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorobenzene	118741	81.7		9.5	0.86	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachlorocyclopentadiene	77474	40.6		48	24	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Hexachloroethane	67721	77		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Indeno(1,2,3-cd)pyrene	193395	77.4		9.5	0.68	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Isophorone	78591	78.4		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodi-n-propylamine	621647	83.5		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodimethylamine	62759	85.6		9.5	0.83	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	N-Nitrosodiphenylamine	86306	56.2		9.5	1.4	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Nitrobenzene	98953	144	a	9.5	1	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Phenanthrene	85018	83.9		9.5	0.89	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Phenol	108952	131	a	9.5	0.97	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Pyrene	129000	75.1		9.5	1.5	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
OMW27B	I7F050254	1	WATER	6/4/2007	Pyridine	110861	9.37	a p	9.5	4.2	ug/L	8270C	0.95	6/5/2007	6/6/2007	6/12/2007	95.2
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,3-Dichloropropane	142289	ND		1	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,3-Dichloropropane	142289	ND		1	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	2-Butanone (MEK)	78933	ND		5	0.84	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	2-Butanone (MEK)	78933	ND		5	0.84	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Acetone	67641	2.6	J	5	0.82	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Acetone	67641	2.7	J	5	0.82	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Bromodichloromethane	75274	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Bromodichloromethane	75274	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Bromoform	75252	ND		2	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Bromoform	75252	ND		2	0.27	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Carbon disulfide	75150	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Carbon disulfide	75150	ND		1	0.38	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Chloroform	67663	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Chloroform	67663	ND		1	0.35	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Dibromochloromethane	124481	ND		1	0.28	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Dibromochloromethane	124481	ND		1	0.28	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Dibromomethane	74953	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Dibromomethane	74953	ND		1	0.41	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F05254)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	Reporting Limit	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	2	WATER	6/4/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F050254	4	WATER	6/4/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/5/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW28A	I7F060169	1	WATER	6/5/2007	Boron	7440428	1.4		0.2	0.002	mg/L	6010B	1	6/6/2007	6/13/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Aluminum	7429905	ND		50	30.3	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Antimony	7440360	0.59	B	1	0.029	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Arsenic	7440382	16.3	J	10	0.34	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Barium	7440393	143		10	1.8	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Beryllium	7440417	0.14	B	1	0.023	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Cadmium	7440439	0.026	B	1	0.023	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Cobalt	7440484	25.5		10	0.24	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Copper	7440508	15.2		10	1.3	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Iron	7439896	14500		500	138	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Lead	7439921	0.11	B	1	0.05	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Lithium	7439932	172		8	0.22	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Manganese	7439965	13000		100	2.2	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Nickel	7440020	46.2		10	1.3	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Selenium	7782492	ND		10	1.1	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Silver	7440224	ND		1	0.04	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Thallium	7440280	ND		1	0.019	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Titanium	7440326	3240		100	6	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Zinc	7440666	10.1		10	2.1	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Mercury	7439976	ND		0 0002	0.00006	mg/L	7470A	1	6/6/2007	6/14/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4,4'-DDD	72548	ND		0.05	0.0077	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4,4'-DDE	72559	ND		0.05	0.0075	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4,4'-DDT	50293	ND		0.05	0.015	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Aldrin	309002	ND		0.05	0.0059	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	alpha-BHC	319846	ND		0.05	0.0053	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	alpha-Chlordane	5103719	ND		0.05	0.0053	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	beta-BHC	319857	ND		0.05	0.0087	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	delta-BHC	319868	ND		0.05	0.0058	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dieldrin	60571	ND		0.05	0.0063	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endosulfan I	959988	ND		0.05	0.0058	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endosulfan II	33213659	ND		0.05	0.007	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endosulfan sulfate	1031078	ND		0.05	0.0057	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endrin	72208	ND		0.05	0.0079	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endrin aldehyde	7421934	ND		0.05	0.0088	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Endrin ketone	53494705	ND		0.05	0.007	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	gamma-BHC (Lindane)	58899	ND		0.05	0.0069	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	gamma-Chlordane	5103742	ND		0.05	0.0091	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Heptachlor	76448	ND		0.05	0.0077	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Heptachlor epoxide	1024573	ND		0.05	0.0075	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Methoxychlor	72435	ND		0.1	0.013	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Toxaphene	8001352	ND		2.5	0.37	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,3-Dichloropropane	142289	ND		1	0 29	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW28A	I7F060169	1	WATER	6/5/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Butanone (MEK)	78933	ND		5	0.84	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acetone	67641	6.9		5	0.82	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Bromodichloromethane	75274	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Bromoform	75252	ND		2	0.27	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Carbon disulfide	75150	0.64	J	1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Chloroform	67663	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dibromochloromethane	124481	ND		1	0.28	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dibromomethane	74953	ND		1	0.41	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
MW28A	I7F060169	1	WATER	6/5/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	ND		9.5	0.18	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4,5-Trichlorophenol	95954	ND		9.5	0.77	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4,6-Trichlorophenol	88062	ND		9.5	0.79	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4-Dichlorophenol	120832	ND		9.5	0.84	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4-Dimethylphenol	105679	ND		9.5	1.8	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4-Dinitrophenol	51285	ND		48	4.8	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,4-Dinitrotoluene	121142	ND		9.5	0.79	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2,6-Dinitrotoluene	606202	ND		9.5	0.8	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Chloronaphthalene	91587	ND		9.5	0.86	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW28A	I7F060169	1	WATER	6/5/2007	2-Chlorophenol	95578	ND		9.5	0.95	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Methylnaphthalene	91576	ND		9.5	0.78	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Methylphenol	95487	ND		9.5	1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Nitroaniline	88744	ND		48	0.9	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	2-Nitrophenol	88755	ND		9.5	0.89	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	3,3'-Dichlorobenzidine	91941	ND		48	4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	3-Nitroaniline	99092	ND		48	4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4,6-Dinitro-2-methylphenol	534521	ND		48	3.6	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Bromophenyl phenyl ether	101553	ND		9.5	0.83	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Chloro-3-methylphenol	59507	ND		9.5	0.79	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Chloroaniline	106478	ND		9.5	4.8	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Chlorophenyl phenyl ether	7005723	ND		9.5	0.81	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Nitroaniline	100016	ND		48	3.6	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	4-Nitrophenol	100027	ND		48	4.7	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acenaphthene	83329	ND		9.5	0.78	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acenaphthylene	208968	ND		9.5	0.86	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Acetophenone	98862	ND		9.5	1.1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Aniline	62533	ND		9.5	4.3	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Anthracene	120127	ND		9.5	0.92	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzidine	92875	ND		48	24	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzo(a)anthracene	56553	ND		9.5	1.1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzo(a)pyrene	50328	ND		9.5	0.7	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzo(b)fluoranthene	205992	ND		9.5	0.9	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzo(ghi)perylene	191242	ND		9.5	0.91	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzo(k)fluoranthene	207089	ND		9.5	0.81	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzoic acid	65850	ND		48	24	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Benzyl alcohol	100516	ND		9.5	1.4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Biphenyl	92524	ND		9.5	1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	bis(2-Chloroethoxy)methane	111911	ND		9.5	0.9	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	bis(2-Chloroethyl) ether	111444	ND		9.5	0.82	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	bis(2-Chloroisopropyl) ether	108601	ND		9.5	1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	bis(2-Ethylhexyl) phthalate	117817	0.55	J	9.5	0.53	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Butyl benzyl phthalate	85687	ND		9.5	1.4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Caprolactam	105602	ND		9.5	4.1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Carbazole	86748	ND		9.5	1.6	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Chrysene	218019	ND		9.5	1.6	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Di-n-butyl phthalate	84742	ND		9.5	0.92	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Di-n-octyl phthalate	117840	ND		9.5	0.58	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dibenz(a,h)anthracene	53703	ND		9.5	0.75	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dibenzofuran	132649	ND		9.5	0.77	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Diethyl phthalate	84662	ND		9.5	0.71	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Dimethyl phthalate	131113	ND		9.5	0.78	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Fluoranthene	206440	ND		9.5	0.96	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Fluorene	86737	ND		9.5	0.72	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Hexachlorobenzene	118741	ND		9.5	0.86	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Hexachlorocyclopentadiene	77474	ND		48	24	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Hexachloroethane	67721	ND		9.5	1.4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Indeno(1,2,3-cd)pyrene	193395	ND		9.5	0.68	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Isophorone	78591	ND		9.5	0.83	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	N-Nitrosodi-n-propylamine	621647	ND		9.5	0.83	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	N-Nitrosodimethylamine	62759	ND		9.5	0.83	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	N-Nitrosodiphenylamine	86306	ND		9.5	1.4	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Nitrobenzene	98953	ND		9.5	1	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Phenanthrene	85018	ND		9.5	0.89	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Phenol	108952	ND		9.5	0.97	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Pyrene	129000	ND		9.5	1.5	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW28A	I7F060169	1	WATER	6/5/2007	Pyridine	110861	ND		9.5	4.2	ug/L	8270C	0.95	6/6/2007	6/6/2007	6/12/2007	
MW29	I7F060169	2	WATER	6/5/2007	Boron	7440428	3.2		0.2	0.002	mg/L	6010B	1	6/6/2007	6/13/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Aluminum	7429905	45.6	B	50	30.3	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Antimony	7440360	0.18	B	1	0.029	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Arsenic	7440382	32	J	10	0.34	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	Barium	7440393	142		10	1.8	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Beryllium	7440417	0.088	B	1	0.023	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Cadmium	7440439	2.1		1	0.023	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Cobalt	7440484	17.9		10	0.24	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Copper	7440508	13.2		10	1.3	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Iron	7439896	121000		500	138	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Lead	7439921	0.19	B	1	0.05	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Lithium	7439932	296		8	0.22	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Manganese	7439965	23000		100	2.2	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Nickel	7440020	44.6		10	1.3	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Selenium	7782492	4.8	B	10	1.1	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Silver	7440224	ND		1	0.04	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Thallium	7440280	ND		1	0.019	ug/L	6020	1	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Titanium	7440326	3390		100	6	ug/L	6020	10	6/6/2007	6/11/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Zinc	7440666	37.1		10	2.1	ug/L	6020	1	6/6/2007	6/11/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Mercury	7439976	0.0001	B	0.0002	0.00006	mg/L	7470A	1	6/6/2007	6/14/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	4,4'-DDD	72548	ND		0.05	0.0077	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	4,4'-DDE	72559	ND		0.05	0.0075	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	4,4'-DDT	50293	ND		0.05	0.015	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Aldrin	309002	ND		0.05	0.0059	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	alpha-BHC	319846	ND		0.05	0.0053	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	alpha-Chlordane	5103719	ND		0.05	0.0053	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	beta-BHC	319857	ND		0.05	0.0087	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	delta-BHC	319868	ND		0.05	0.0058	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dieldrin	60571	ND		0.05	0.0063	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endosulfan I	959988	ND		0.05	0.0058	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endosulfan II	33213659	ND		0.05	0.007	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endosulfan sulfate	1031078	ND		0.05	0.0057	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endrin	72208	0.063	COL	0.05	0.0079	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endrin aldehyde	7421934	ND		0.05	0.0088	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Endrin ketone	53494705	0.019	J COL	0.05	0.007	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	gamma-BHC (Lindane)	58899	ND		0.05	0.0069	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	gamma-Chlordane	5103742	ND		0.05	0.0091	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Heptachlor	76448	0.069	COL	0.05	0.0077	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Heptachlor epoxide	1024573	ND		0.05	0.0075	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Methoxychlor	72435	0.047	J COL	0.1	0.013	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	Toxaphene	8001352	ND		2.5	0.37	ug/L	8081A	1	6/6/2007	6/7/2007	6/15/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,1,2-Tetrachloroethane	630206	ND		20000	6600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,1-Trichloroethane	71556	170000		20000	7200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,2,2-Tetrachloroethane	79345	ND		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		20000	7600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloroethane	79005	ND		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethane	75343	20000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethene	75354	10000	J	20000	8500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloropropene	563586	ND		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2,3-Trichloropropane	96184	56000		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trichlorobenzene	120821	ND		20000	9700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trimethylbenzene	95636	ND		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		100000	6800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromoethane (EDB)	106934	ND		20000	6000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichlorobenzene	95501	ND		20000	8700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethane	107062	370000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethene (total)	540590	ND		40000	15000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloropropane	78875	9600	J	20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,3,5-Trimethylbenzene	108678	ND		20000	9800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichlorobenzene	541731	ND		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichloropropane	142289	ND		20000	5800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,4-Dichlorobenzene	106467	ND		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,2-Dichloropropane	594207	ND		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Butanone (MEK)	78933	ND		100000	17000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Chloroethyl vinyl ether	110758	ND		--	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	2-Chlorotoluene	95498	ND		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Hexanone	591786	ND		100000	5300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Chlorotoluene	106434	ND		20000	6900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		100000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acetone	67641	60000	J	100000	16000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acrolein	107028	ND		200000	26000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acrylonitrile	107131	ND		200000	30000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzene	71432	8600	J	20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Bromobenzene	108861	ND		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Bromodichloromethane	75274	ND		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Bromoform	75252	ND		40000	5400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Bromomethane	74839	ND		40000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Carbon disulfide	75150	ND		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Carbon tetrachloride	56235	25000		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Chlorobenzene	108907	ND		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Chloroethane	75003	ND		40000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Chloroform	67663	ND		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Chloromethane	74873	ND		40000	9600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	cis-1,2-Dichloroethene	156592	ND		20000	7300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	cis-1,3-Dichloropropene	10061015	ND		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dibromochloromethane	124481	ND		20000	5600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dibromomethane	74953	ND		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dichlorodifluoromethane	75718	ND		40000	10000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Ethylbenzene	100414	ND		20000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Hexachlorobutadiene	87683	ND		20000	11000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Iodomethane	74884	ND		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Isopropylbenzene	98828	ND		20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Methyl acetate	79209	ND		100000	19000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Methylcyclohexane	108872	ND		100000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Methylene chloride	75092	1200000		20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	n-Butanol	71363	ND		5000000	260000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	n-Butylbenzene	104518	ND		20000	18000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	n-Propylbenzene	103651	ND		20000	8800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	p-Isopropyltoluene	99876	ND		20000	13000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	sec-Butylbenzene	135988	ND		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Styrene	100425	ND		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	tert-Butylbenzene	98066	ND		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Tetrachloroethene	127184	9600	J	20000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Toluene	108883	ND		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	trans-1,2-Dichloroethene	156605	ND		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	trans-1,3-Dichloropropene	10061026	ND		20000	4200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	trans-1,4-Dichloro-2-butene	110576	ND		100000	7100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Trichloroethene	79016	75000		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Trichlorofluoromethane	75694	ND		40000	9500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Vinyl acetate	108054	ND		40000	5900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Vinyl chloride	75014	ND		40000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	Xylenes (total)	1330207	ND		60000	24000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,2-Diphenylhydrazine (as Azobenzene)	122667	ND		95	1.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4,5-Trichlorophenol	95954	ND		95	7.7	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4,6-Trichlorophenol	88062	ND		95	7.9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4-Dichlorophenol	120832	ND		95	8.5	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4-Dimethylphenol	105679	120		95	18	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4-Dinitrophenol	51285	ND		480	48	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,4-Dinitrotoluene	121142	ND		95	7.9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2,6-Dinitrotoluene	606202	ND		95	8.1	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Chloronaphthalene	91587	ND		95	8.6	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Chlorophenol	95578	ND		95	9.5	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Methylnaphthalene	91576	ND		95	7.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Methylphenol	95487	190		95	10	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	2-Nitroaniline	88744	ND		480	9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	2-Nitrophenol	88755	ND		95	8.9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	3,3'-Dichlorobenzidine	91941	ND		480	40	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	3-Nitroaniline	99092	ND		480	40	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4,6-Dinitro-2-methylphenol	534521	ND		480	36	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Bromophenyl phenyl ether	101553	ND		95	8.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Chloro-3-methylphenol	59507	ND		95	7.9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Chloroaniline	106478	ND		95	48	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Chlorophenyl phenyl ether	7005723	ND		95	8.1	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Nitroaniline	100016	ND		480	36	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	4-Nitrophenol	100027	ND		480	48	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acenaphthene	83329	ND		95	7.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acenaphthylene	208968	ND		95	8.6	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Acetophenone	98862	190		95	11	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Aniline	62533	ND		95	43	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Anthracene	120127	ND		95	9.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzidine	92875	ND		480	240	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzo(a)anthracene	56553	ND		95	11	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzo(a)pyrene	50328	ND		95	7	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzo(b)fluoranthene	205992	ND		95	9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzo(ghi)perylene	191242	ND		95	9.2	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzo(k)fluoranthene	207089	ND		95	8.1	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzoic acid	65850	ND		480	240	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Benzyl alcohol	100516	200		95	14	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Biphenyl	92524	ND		95	10	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	bis(2-Chloroethoxy)methane	111911	ND		95	9.1	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	bis(2-Chloroethyl) ether	111444	ND		95	8.2	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	bis(2-Chloroisopropyl) ether	108601	ND		95	10	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	bis(2-Ethylhexyl) phthalate	117817	ND		95	5.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Butyl benzyl phthalate	85687	ND		95	14	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Caprolactam	105602	ND		95	42	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Carbazole	86748	ND		95	16	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Chrysene	218019	ND		95	16	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Di-n-butyl phthalate	84742	ND		95	9.2	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Di-n-octyl phthalate	117840	ND		95	5.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dibenz(a,h)anthracene	53703	ND		95	7.5	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dibenzofuran	132649	ND		95	7.7	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Diethyl phthalate	84662	ND		95	7.1	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Dimethyl phthalate	131113	ND		95	7.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Fluoranthene	206440	ND		95	9.6	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Fluorene	86737	ND		95	7.2	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Hexachlorobenzene	118741	ND		95	8.6	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Hexachlorocyclopentadiene	77474	ND		480	240	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Hexachloroethane	67721	ND		95	14	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Indeno(1,2,3-cd)pyrene	193395	ND		95	6.8	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Isophorone	78591	ND		95	8.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	N-Nitrosodi-n-propylamine	621647	ND		95	8.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	N-Nitrosodimethylamine	62759	ND		95	8.3	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	N-Nitrosodiphenylamine	86306	ND		95	14	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Nitrobenzene	98953	ND		95	10	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Phenanthrene	85018	ND		95	8.9	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Phenol	108952	470		95	9.7	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Pyrene	129000	ND		95	15	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	Pyridine	110861	ND		95	42	ug/L	8270C	9.52	6/6/2007	6/6/2007	6/13/2007	
MW29	I7F060169	2	WATER	6/5/2007	1,1,1,2-Tetrachloroethane	630206	372000		20000	6600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,1-Trichloroethane	71556	571000		20000	7200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2,2-Tetrachloroethane	79345	346000		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	364000		20000	7600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloroethane	79005	358000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethane	75343	435000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethene	75354	383000		20000	8500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloropropene	563586	400000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	1,2,3-Trichloropropane	96184	406000		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trichlorobenzene	120821	362000		20000	9700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trimethylbenzene	95636	393000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	305000		100000	6800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromoethane (EDB)	106934	364000		20000	6000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichlorobenzene	95501	351000		20000	8700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethane	107062	689000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethene (total)	540590	706000		40000	15000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	800000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloropropane	78875	417000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3,5-Trimethylbenzene	108678	395000		20000	9800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichlorobenzene	541731	351000		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichloropropane	142289	382000		20000	5800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,4-Dichlorobenzene	106467	344000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2,2-Dichloropropane	594207	424000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Butanone (MEK)	78933	427000		100000	17000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Chloroethyl vinyl ether	110758	549000	a	--	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Chlorotoluene	95498	370000		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Hexanone	591786	394000		100000	5300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	4-Chlorotoluene	106434	374000		20000	6900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	4-Methyl-2-pentanone (MIBK)	108101	395000		100000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Acetone	67641	490000		100000	16000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Acrolein	107028	2650000		200000	26000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	2000000
MW29	I7F060169	2	WATER	6/5/2007	Acrylonitrile	107131	2120000		200000	30000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	2000000
MW29	I7F060169	2	WATER	6/5/2007	Benzene	71432	389000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromobenzene	108861	346000		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromodichloromethane	75274	388000		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromoform	75252	357000		40000	5400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromomethane	74839	478000		40000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Carbon disulfide	75150	426000		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Carbon tetrachloride	56235	396000		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chlorobenzene	108907	358000		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloroethane	75003	420000		40000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloroform	67663	380000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloromethane	74873	362000		40000	9600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	cis-1,2-Dichloroethene	156592	355000		20000	7300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	cis-1,3-Dichloropropene	10061015	411000		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dibromochloromethane	124481	382000		20000	5600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dibromomethane	74953	334000		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dichlorodifluoromethane	75718	227000		40000	10000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Ethylbenzene	100414	372000		20000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Hexachlorobutadiene	87683	367000		20000	11000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Iodomethane	74884	425000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Isopropylbenzene	98828	384000		20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Methyl acetate	79209	900000		100000	19000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1000000
MW29	I7F060169	2	WATER	6/5/2007	Methyl tert-butyl ether (MTBE)	1634044	392000		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Methylcyclohexane	108872	1070000		100000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1000000
MW29	I7F060169	2	WATER	6/5/2007	Methylene chloride	75092	1400000	a	20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	n-Butanol	71363	15600000		5000000	260000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	20000000
MW29	I7F060169	2	WATER	6/5/2007	n-Butylbenzene	104518	380000		20000	18000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	n-Propylbenzene	103651	370000		20000	8800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	p-Isopropyltoluene	99876	388000		20000	13000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	sec-Butylbenzene	135988	380000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Styrene	100425	400000		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	tert-Butylbenzene	98066	398000		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Tetrachloroethene	127184	320000		20000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Toluene	108883	390000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,2-Dichloroethene	156605	351000		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,3-Dichloropropene	10061026	424000		20000	4200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,4-Dichloro-2-butene	110576	347000		100000	7100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Trichloroethene	79016	434000		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Trichlorofluoromethane	75694	363000		40000	9500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	Vinyl acetate	108054	510000		40000	5900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Vinyl chloride	75014	388000		40000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Xylenes (total)	1330207	1170000		60000	24000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1200000
MW29	I7F060169	2	WATER	6/5/2007	1,1,1,2-Tetrachloroethane	630206	394000		20000	6600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,1-Trichloroethane	71556	597000		20000	7200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2,2-Tetrachloroethane	79345	358000		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	362000		20000	7600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1,2-Trichloroethane	79005	374000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethane	75343	455000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloroethene	75354	391000		20000	8500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,1-Dichloropropene	563586	410000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2,3-Trichloropropane	96184	420000		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trichlorobenzene	120821	374000		20000	9700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2,4-Trimethylbenzene	95636	408000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	313000		100000	6800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dibromoethane (EDB)	106934	373000		20000	6000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichlorobenzene	95501	362000		20000	8700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethane	107062	724000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloroethene (total)	540590	723000		40000	15000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	800000
MW29	I7F060169	2	WATER	6/5/2007	1,2-Dichloropropane	78875	434000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3,5-Trimethylbenzene	108678	479000		20000	9800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichlorobenzene	541731	367000		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,3-Dichloropropane	142289	398000		20000	5800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	1,4-Dichlorobenzene	106467	357000		20000	7500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2,2-Dichloropropane	594207	444000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Butanone (MEK)	78933	442000		100000	17000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Chloroethyl vinyl ether	110758	580000	a	--	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Chlorotoluene	95498	386000		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	2-Hexanone	591786	411000		100000	5300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	4-Chlorotoluene	106434	384000		20000	6900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	4-Methyl-2-pentanone (MIBK)	108101	416000		100000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Acetone	67641	629000	p	100000	16000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Acrolein	107028	2710000		200000	26000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	2000000
MW29	I7F060169	2	WATER	6/5/2007	Acrylonitrile	107131	2150000		200000	30000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	2000000
MW29	I7F060169	2	WATER	6/5/2007	Benzene	71432	406000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromobenzene	108861	363000		20000	7900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromodichloromethane	75274	405000		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromoform	75252	370000		40000	5400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Bromomethane	74839	506000		40000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Carbon disulfide	75150	421000		20000	7700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Carbon tetrachloride	56235	408000		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chlorobenzene	108907	376000		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloroethane	75003	438000		40000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloroform	67663	394000		20000	7000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Chloromethane	74873	377000		40000	9600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	cis-1,2-Dichloroethene	156592	368000		20000	7300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	cis-1,3-Dichloropropene	10061015	430000		20000	6100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dibromochloromethane	124481	399000		20000	5600	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dibromomethane	74953	345000		20000	8100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Dichlorodifluoromethane	75718	225000		40000	10000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Ethylbenzene	100414	389000		20000	8300	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Hexachlorobutadiene	87683	360000		20000	11000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Iodomethane	74884	441000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Isopropylbenzene	98828	402000		20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Methyl acetate	79209	930000		100000	19000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1000000
MW29	I7F060169	2	WATER	6/5/2007	Methyl tert-butyl ether (MTBE)	1634044	407000		20000	6700	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Methylcyclohexane	108872	1080000		100000	14000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1000000
MW29	I7F060169	2	WATER	6/5/2007	Methylene chloride	75092	1500000		20000	8400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	n-Butanol	71363	17200000		5000000	260000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	20000000
MW29	I7F060169	2	WATER	6/5/2007	n-Butylbenzene	104518	387000		20000	18000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	n-Propylbenzene	103651	381000		20000	8800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
MW29	I7F060169	2	WATER	6/5/2007	p-Isopropyltoluene	99876	402000		20000	13000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	sec-Butylbenzene	135988	391000		20000	12000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Styrene	100425	421000		20000	6200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	tert-Butylbenzene	98066	412000		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Tetrachloroethene	127184	332000		20000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Toluene	108883	410000		20000	7800	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,2-Dichloroethene	156605	355000		20000	7400	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,3-Dichloropropene	10061026	444000		20000	4200	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	trans-1,4-Dichloro-2-butene	110576	341000		100000	7100	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Trichloroethene	79016	450000		20000	9000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Trichlorofluoromethane	75694	371000		40000	9500	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Vinyl acetate	108054	532000		40000	5900	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Vinyl chloride	75014	398000		40000	8000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	400000
MW29	I7F060169	2	WATER	6/5/2007	Xylenes (total)	1330207	1230000		60000	24000	ug/L	8260B	20000	6/6/2007	6/14/2007	6/14/2007	1200000
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1,1,2-Tetrachloroethane	630206	ND		1	0.33	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1,1-Trichloroethane	71556	ND		1	0.36	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1,2,2-Tetrachloroethane	79345	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1,2-Trichloro-1,2,2-trifluoroethane	76131	ND		1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1,2-Trichloroethane	79005	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1-Dichloroethane	75343	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1-Dichloroethene	75354	ND		1	0.43	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,1-Dichloropropene	563586	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2,3-Trichloropropane	96184	ND		1	0.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2,4-Trichlorobenzene	120821	ND		1	0.48	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2,4-Trimethylbenzene	95636	ND		1	0.6	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dibromo-3-chloropropane (DBCP)	96128	ND		5	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dibromoethane (EDB)	106934	ND		1	0.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dichlorobenzene	95501	ND		1	0.43	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dichloroethane	107062	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dichloroethene (total)	540590	ND		2	0.73	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,2-Dichloropropane	78875	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,3,5-Trimethylbenzene	108678	ND		1	0.49	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,3-Dichlorobenzene	541731	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,3-Dichloropropane	142289	ND		1	0.29	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	1,4-Dichlorobenzene	106467	ND		1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	2,2-Dichloropropane	594207	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	2-Butanone (MEK)	78933	ND		5	0.84	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	2-Chloroethyl vinyl ether	110758	ND		--	0.62	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	2-Chlorotoluene	95498	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	2-Hexanone	591786	ND		5	0.27	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	4-Chlorotoluene	106434	ND		1	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	4-Methyl-2-pentanone (MIBK)	108101	ND		5	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Acetone	67641	2.4	J	5	0.82	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Acrolein	107028	ND		10	1.3	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Acrylonitrile	107131	ND		10	1.5	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Benzene	71432	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Bromobenzene	108861	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Bromodichloromethane	75274	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Bromoform	75252	ND		2	0.27	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Bromomethane	74839	ND		2	0.72	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Carbon disulfide	75150	ND		1	0.38	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Carbon tetrachloride	56235	ND		1	0.41	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Chlorobenzene	108907	ND		1	0.33	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Chloroethane	75003	ND		2	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Chloroform	67663	ND		1	0.35	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Chloromethane	74873	ND		2	0.48	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	cis-1,2-Dichloroethene	156592	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	cis-1,3-Dichloropropene	10061015	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Dibromochloromethane	124481	ND		1	0.28	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Dibromomethane	74953	ND		1	0.41	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Dichlorodifluoromethane	75718	ND		2	0.52	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	

GULFCO GROUND WATER SPLIT SAMPLE DATA - JUNE 2007
(LAB SDG I7F06169)

Client Sample ID	Lab Lot ID	Lab Sample No.	Matrix	Collected	Analyte	CAS No.	Result	Flag	RL	MDL	Units	Method	Dilution	Rec'd	Prep'd	Analyzed	Spiked
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Ethylbenzene	100414	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Hexachlorobutadiene	87683	ND		1	0.57	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Iodomethane	74884	ND		1	0.59	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Isopropylbenzene	98828	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Methyl acetate	79209	ND		5	0.96	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Methyl tert-butyl ether (MTBE)	1634044	ND		1	0.34	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Methylcyclohexane	108872	ND		5	0.72	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Methylene chloride	75092	ND		1	0.42	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	n-Butanol	71363	ND		250	13	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	n-Butylbenzene	104518	ND		1	0.88	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	n-Propylbenzene	103651	ND		1	0.44	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	p-Isopropyltoluene	99876	ND		1	0.63	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	sec-Butylbenzene	135988	ND		1	0.61	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Styrene	100425	ND		1	0.31	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	tert-Butylbenzene	98066	ND		1	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Tetrachloroethene	127184	ND		1	0.4	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Toluene	108883	ND		1	0.39	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	trans-1,2-Dichloroethene	156605	ND		1	0.37	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	trans-1,3-Dichloropropene	10061026	ND		1	0.21	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	trans-1,4-Dichloro-2-butene	110576	ND		5	0.36	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Trichloroethene	79016	ND		1	0.45	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Trichlorofluoromethane	75694	ND		2	0.47	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Vinyl acetate	108054	ND		2	0.29	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Vinyl chloride	75014	ND		2	0.4	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	
TRIP BLANK	I7F060169	3	WATER	6/5/2007	Xylenes (total)	1330207	ND		3	1.2	ug/L	8260B	1	6/6/2007	6/14/2007	6/14/2007	

STL Leaders in Environmental Testing

Certificate of Analysis

STL Austin • 14050 Summit Drive, Suite A100, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 1434206 EPA

Gulfco Marine EP-W-06-004

Lot #: I7F050254

Luis Vega

EA Engineering, Science and Te
405 South Highway 121
Building C
Suite 100
Lewisville, TX 75067

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

June 21, 2007

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I7F050254**

This report contains the analytical results for the four samples received under chain of custody by Severn Trent Laboratories (STL) on June 5, 2007. These samples are associated with your Gulfco Marine EP-W-06-004 project.

All samples were received in good condition and within temperature requirements.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 512-310-5215.

Method 8081 (Pesticides) was performed by STL Denver, 4955 Yarrow Street, Arvada, CO 80002, 303-421-6611.

LOT NUMBER I7F050254

Nonconformance 09-0021843

Affected Samples:
I7F050254 (1):
I7F050254 (2):
I7F050254 (4):

Affected Methods:
8260B

Case Narrative:
LCS/LCSD were recovered high and outside of criteria for analyte [2-Chloroethyl vinyl ether]. The analyte was not detected in any of the samples. Data are reported as is. Slight positive bias is not believed to have impacted data quality.

Corrective Action:
NCM written

Nonconformance 09-0021858

Affected Samples:
I7F050254 (3):

Affected Methods:
8260B

Case Narrative:
LCSD was recovered high and outside of criteria for analytes tert-Butyl alcohol, Vinyl acetate and n-Butanol. The analytes were within criteria in the LCS. Data are reported as is per SOP.

LCS and LCSD were recovered high and outside of criteria for analytes 2-Chloroethyl vinyl ether and 1.2-Dichloropropane. The analytes were not detected in any of the samples. Data are reported as is. Slight positive bias is not believed to have impacted data quality.

The LCS/LCSD RPD criterion was exceeded for analyte n-Butanol. The recovery was within criteria in the LCS. Data are reported as is.

Corrective Action:
NCM written.

Nonconformance 04-0113881

Affected Samples:
I7F050254 (1): OMW27B
I7F050254 (3): OMW21

Affected Methods:
8081A

Case Narrative:
The overall mean %D is within control limits. Therefore, the CCV is in control. Method 8000B requires notification of individual compounds exceeding %D limits, and they include:

1st CCV: all okay

2nd CCV: all okay

3rd CCV: (front) 4,4'-DDT -17%
(rear) 4,4'-DDD -17%; 4,4'-DDT -17%; Methoxychlor -16%

4th CCV: (front) 4,4'-DDT -16%
(rear) 4,4'-DDT -25%; Methoxychlor -24%

Sequence: 1st CCV, LCS, 254-1, 254-3, 169-1, 169-2, 2nd CCV, 246-7, 414-2, 414-2MS, 414-2MSD, 414-4, 414-5, 414-6, 112-1, 112-2, 112-23, 3rd CCV, 112-4, 112-5, 112-6, 163-1, 163-2, 189-1, 360-1, Blank, 4th CCV.

Associated sample D7F070360-1 has a hit of 4,4'-DDD below the RL, but above the MDL. It is flagged with a J to represent and estimated value. All other samples are ND for the above listed compounds.

Corrective Action:
NA

EXECUTIVE SUMMARY - Detection Highlights

I7F050254

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OMW27B 06/04/07 14:00 001				
Silver	0.21 B	1.0	ug/L	SW846 6020
Aluminum	176	50.0	ug/L	SW846 6020
Arsenic	4.1	1.0	ug/L	SW846 6020
Barium	292	1.0	ug/L	SW846 6020
Cadmium	0.095 B	1.0	ug/L	SW846 6020
Cobalt	2.5	1.0	ug/L	SW846 6020
Copper	17.8	1.0	ug/L	SW846 6020
Iron	382	50.0	ug/L	SW846 6020
Lithium	121	8.0	ug/L	SW846 6020
Manganese	20.9	10.0	ug/L	SW846 6020
Nickel	24.7	1.0	ug/L	SW846 6020
Lead	0.22 B	1.0	ug/L	SW846 6020
Antimony	1.0	1.0	ug/L	SW846 6020
Titanium	1670	100	ug/L	SW846 6020
Thallium	0.068 B	1.0	ug/L	SW846 6020
Zinc	9.0 B	10.0	ug/L	SW846 6020
Boron	0.030 B	0.20	mg/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	0.63 J	9.5	ug/L	SW846 8270C
Acetone	8.2	5.0	ug/L	SW846 8260B
Bromodichloromethane	3.5	1.0	ug/L	SW846 8260B
Bromoform	1.9 J	2.0	ug/L	SW846 8260B
Dibromochloromethane	3.2	1.0	ug/L	SW846 8260B
Chloroform	2.4	1.0	ug/L	SW846 8260B
Dibromomethane	0.45 J	1.0	ug/L	SW846 8260B
TRIP BLANK 06/04/07 002				
Acetone	2.6 J	5.0	ug/L	SW846 8260B
OMW21 06/04/07 15:30 003				
Silver	0.080 B	1.0	ug/L	SW846 6020
Aluminum	1730	50.0	ug/L	SW846 6020
Arsenic	7.2	1.0	ug/L	SW846 6020
Barium	112	1.0	ug/L	SW846 6020
Cadmium	0.10 B	1.0	ug/L	SW846 6020
Cobalt	7.8	1.0	ug/L	SW846 6020
Copper	33.2	1.0	ug/L	SW846 6020
Iron	25700	50.0	ug/L	SW846 6020
Lithium	360	80.0	ug/L	SW846 6020
Manganese	7140	100	ug/L	SW846 6020
Nickel	23.1	1.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7F050254

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OMW21 06/04/07 15:30 003				
Lead	1.2	1.0	ug/L	SW846 6020
Antimony	0.78 B	1.0	ug/L	SW846 6020
Titanium	1990	100	ug/L	SW846 6020
Thallium	0.031 B	1.0	ug/L	SW846 6020
Zinc	7.4 B	10.0	ug/L	SW846 6020
Boron	2.9	1.0	mg/L	SW846 6010B
Acetone	6.5	5.0	ug/L	SW846 8260B
2-Butanone (MEK)	1.0 J	5.0	ug/L	SW846 8260B
TRIP BLANK 06/04/07 004				
Acetone	2.7 J	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

I7F050254

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Metals	SW846 3010A	SW846 6010B
Acid Digestion for Total Metals by ICPMS	SW846 3020A	SW846 6020
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Separatory Funnel Liquid-Liquid Extraction	SW846 3510C	SW846 8081A
15 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

ANALYTICAL METHODS SUMMARY

I7F050254

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Organochlorine Pesticides	SW846 8081A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7F050254

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 6010B	Hamid Davoudi	038010
SW846 6020	Xavier B. Escobar	038011
SW846 7470A	Sydney F. Powers	402637
SW846 8081A	Carrie Lahr	008835
SW846 8260B	David Yancey	014906
SW846 8270C	Mark Malloy	001515

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I7F050254

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J0A4E	001	OMW27B	06/04/07	14:00
J0A47	002	TRIP BLANK	06/04/07	
J0A5A	003	OMW21	06/04/07	15:30
J0A5D	004	TRIP BLANK	06/04/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I7F050254

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WG	SW846 6020		7157305	7157205
	WG	SW846 6020		7162268	7162226
	WG	SW846 7470A		7165432	7165274
	WG	SW846 8081A		7158540	7158322
	WG	SW846 8260B		7166158	7166098
	WG	SW846 8270C		7157509	7157318
	WG	SW846 6010B		7157271	7157168
002	WQ	SW846 8260B		7166158	7166098
003	WG	SW846 6020		7157305	7157205
	WG	SW846 6020		7162268	7162226
	WG	SW846 7470A		7165432	7165274
	WG	SW846 8081A		7158540	7158322
	WG	SW846 8260B		7169358	7169204
	WG	SW846 8270C		7157509	7157318
	WG	SW846 6010B		7157271	7157168
004	WQ	SW846 8260B		7166158	7166098

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Volatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1A2 Matrix.....: WG
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 20:13
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45
Acetone	**8.2**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	**3.5**	**1.0**	**ug/L**	**0.37**
Bromoform	**1.9 J**	**2.0**	**ug/L**	**0.27**
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	ND	5.0	ug/L	0.84
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	ND	1.0	ug/L	0.38
Carbon tetrachloride	ND	1.0	ug/L	0.41

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Volatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1A2 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	**3.2**	**1.0**	**ug/L**	**0.28**
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
Chloroform	**2.4**	**1.0**	**ug/L**	**0.35**
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	**0.45 J**	**1.0**	**ug/L**	**0.41**
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Volatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1A2 Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	115	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1AC Matrix.....: WG
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 13:50
Dilution Factor: 0.95

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	9.5	ug/L	0.78
Acenaphthylene	ND	9.5	ug/L	0.86
Acetophenone	ND	9.5	ug/L	1.1
Aniline	ND	9.5	ug/L	4.3
Anthracene	ND	9.5	ug/L	0.92
Benzidine	ND	48	ug/L	24
Benzo(a)anthracene	ND	9.5	ug/L	1.1
Benzo(b)fluoranthene	ND	9.5	ug/L	0.90
Benzo(k)fluoranthene	ND	9.5	ug/L	0.81
Benzoic acid	ND	48	ug/L	24
Benzo(ghi)perylene	ND	9.5	ug/L	0.91
Benzo(a)pyrene	ND	9.5	ug/L	0.70
Benzyl alcohol	ND	9.5	ug/L	1.4
Biphenyl	ND	9.5	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	9.5	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	9.5	ug/L	0.82
bis(2-Chloroisopropyl) ether	ND	9.5	ug/L	1.0
bis(2-Ethylhexyl) phthalate	**0.63 J**	**9.5**	**ug/L**	**0.53**
4-Bromophenyl phenyl ether	ND	9.5	ug/L	0.83
Butyl benzyl phthalate	ND	9.5	ug/L	1.4
Caprolactam	ND	9.5	ug/L	4.1
Carbazole	ND	9.5	ug/L	1.6
4-Chloroaniline	ND	9.5	ug/L	4.8
4-Chloro-3-methylphenol	ND	9.5	ug/L	0.79
2-Chloronaphthalene	ND	9.5	ug/L	0.86
2-Chlorophenol	ND	9.5	ug/L	0.95
4-Chlorophenyl phenyl ether	ND	9.5	ug/L	0.81
Chrysene	ND	9.5	ug/L	1.6
Dibenz(a,h)anthracene	ND	9.5	ug/L	0.75
Dibenzofuran	ND	9.5	ug/L	0.77
Di-n-butyl phthalate	ND	9.5	ug/L	0.92
3,3'-Dichlorobenzidine	ND	48	ug/L	4.0

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	9.5	ug/L	0.84
Diethyl phthalate	ND	9.5	ug/L	0.71
2,4-Dimethylphenol	ND	9.5	ug/L	1.8
Dimethyl phthalate	ND	9.5	ug/L	0.78
4,6-Dinitro-2-methylphenol	ND	48	ug/L	3.6
2,4-Dinitrophenol	ND	48	ug/L	4.8
2,4-Dinitrotoluene	ND	9.5	ug/L	0.79
2,6-Dinitrotoluene	ND	9.5	ug/L	0.80
Di-n-octyl phthalate	ND	9.5	ug/L	0.58
1,2-Diphenylhydrazine (as Azobenzene)	ND	9.5	ug/L	0.18
Fluoranthene	ND	9.5	ug/L	0.96
Fluorene	ND	9.5	ug/L	0.72
Hexachlorobenzene	ND	9.5	ug/L	0.86
Hexachlorocyclopentadiene	ND	48	ug/L	24
Hexachloroethane	ND	9.5	ug/L	1.4
Indeno(1,2,3-cd)pyrene	ND	9.5	ug/L	0.68
Isophorone	ND	9.5	ug/L	0.83
2-Methylnaphthalene	ND	9.5	ug/L	0.78
2-Methylphenol	ND	9.5	ug/L	1.0
2-Nitroaniline	ND	48	ug/L	0.90
3-Nitroaniline	ND	48	ug/L	4.0
4-Nitroaniline	ND	48	ug/L	3.6
Nitrobenzene	ND	9.5	ug/L	1.0
2-Nitrophenol	ND	9.5	ug/L	0.89
4-Nitrophenol	ND	48	ug/L	4.7
N-Nitrosodimethylamine	ND	9.5	ug/L	0.83
N-Nitrosodiphenylamine	ND	9.5	ug/L	1.4
N-Nitrosodi-n-propylamine	ND	9.5	ug/L	0.83
Phenanthrene	ND	9.5	ug/L	0.89
Phenol	ND	9.5	ug/L	0.97
Pyrene	ND	9.5	ug/L	1.5
Pyridine	ND	9.5	ug/L	4.2
2,4,5-Trichlorophenol	ND	9.5	ug/L	0.77
2,4,6-Trichlorophenol	ND	9.5	ug/L	0.79

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(52 - 114)
2-Fluorobiphenyl	81	(58 - 116)
Terphenyl-d14	95	(64 - 126)
2-Fluorophenol	76	(44 - 114)
Phenol-d5	84	(45 - 116)
2,4,6-Tribromophenol	101	(51 - 130)

NOTE(S):

J Estimated result. Result is less than RL

EA Engineering, Science and Technology

Client Sample ID: OMW27B

GC Semivolatiles

Lot-Sample #...: I7F050254-001 Work Order #...: J0A4E1AA Matrix.....: WG
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:27
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
4,4'-DDT	ND	0.050	ug/L	0.015
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	2.5	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(20 - 144)
Tetrachloro-m-xylene	86	(25 - 132)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

TOTAL Metals

Lot-Sample #...: I7F050254-001 Matrix.....: WG
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7157271						
Boron	0.030 B	0.20	mg/L	SW846 6010B	06/06-06/07/07	J0A4E1AE
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.0020	
Prep Batch #...: 7157305						
Silver	0.21 B	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AF
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.040	
Aluminum	176	50.0	ug/L	SW846 6020	06/06-06/11/07	J0A4E1AG
		Dilution Factor: 1		Analysis Time..: 17:55	MDL.....: 30.3	
Arsenic	4.1	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AH
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.034	
Barium	292	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AJ
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.18	
Beryllium	ND	1.0	ug/L	SW846 6020	06/06-06/12/07	J0A4E1AK
		Dilution Factor: 1		Analysis Time..: 14:44	MDL.....: 0.023	
Cadmium	0.095 B	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AL
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.023	
Cobalt	2.5	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AM
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.024	
Copper	17.8	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AN
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.13	
Iron	382	50.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AP
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 13.8	
Manganese	20.9	10.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AR
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.22	
Nickel	24.7	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AT
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.13	
Lead	0.22 B	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AU
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.050	

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW27B

TOTAL Metals

Lot-Sample #...: I7F050254-001 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	1.0	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AV
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.029	
Selenium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1AW
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.11	
Titanium	1670	100	ug/L	SW846 6020	06/06-06/12/07	J0A4E1AX
		Dilution Factor: 10		Analysis Time..: 14:31	MDL.....: 6.0	
Thallium	0.068 B	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A4E1A0
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.019	
Zinc	9.0 B	10.0	ug/L	SW846 6020	06/06-06/12/07	J0A4E1A1
		Dilution Factor: 1		Analysis Time..: 14:44	MDL.....: 2.1	
Prep Batch #...: 7162268						
Lithium	121	8.0	ug/L	SW846 6020	06/11-06/14/07	J0A4E1AQ
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.22	
Prep Batch #...: 7165432						
Mercury	ND	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J0A4E1AD
		Dilution Factor: 1		Analysis Time..: 11:37	MDL.....: 0.000060	

NOTE(S):

B Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-002 Work Order #...: J0A471AA Matrix.....: WQ
Date Sampled...: 06/04/07 Date Received..: 06/05/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 18:58
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	ND	1.0	ug/L	0.37
Bromoform	ND	2.0	ug/L	0.27
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	ND	5.0	ug/L	0.84
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	ND	1.0	ug/L	0.38
Carbon tetrachloride	ND	1.0	ug/L	0.41
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	ND	1.0	ug/L	0.28
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-002 Work Order #...: J0A471AA Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**2.6 J**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Chloroform	ND	1.0	ug/L	0.35
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.41
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-002 Work Order #...: J0A471AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 130)
Toluene-d8	109	(83 - 115)
4-Bromofluorobenzene	106	(79 - 119)
Dibromofluoromethane	98	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Volatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1A2 Matrix.....: WG
Date Sampled...: 06/04/07 15:30 Date Received..: 06/05/07
Prep Date.....: 06/15/07 Analysis Date..: 06/15/07
Prep Batch #...: 7169358 Analysis Time..: 18:22
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45
Acetone	**6.5**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	ND	1.0	ug/L	0.37
Bromoform	ND	2.0	ug/L	0.27
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	**1.0 J**	**5.0**	**ug/L**	**0.84**
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	ND	1.0	ug/L	0.38
Carbon tetrachloride	ND	1.0	ug/L	0.41

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Volatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1A2 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	ND	1.0	ug/L	0.28
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
Chloroform	ND	1.0	ug/L	0.35
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.41
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Volatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1A2 Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	119	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	114	(79 - 119)
Dibromofluoromethane	101	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1AC Matrix.....: WG
Date Sampled...: 06/04/07 15:30 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 15:46
Dilution Factor: 0.95

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	9.5	ug/L	0.78
Acenaphthylene	ND	9.5	ug/L	0.86
Acetophenone	ND	9.5	ug/L	1.1
Aniline	ND	9.5	ug/L	4.3
Anthracene	ND	9.5	ug/L	0.92
Benzidine	ND	48	ug/L	24
Benzo(a)anthracene	ND	9.5	ug/L	1.1
Benzo(b)fluoranthene	ND	9.5	ug/L	0.90
Benzo(k)fluoranthene	ND	9.5	ug/L	0.81
Benzoic acid	ND	48	ug/L	24
Benzo(ghi)perylene	ND	9.5	ug/L	0.91
Benzo(a)pyrene	ND	9.5	ug/L	0.70
Benzyl alcohol	ND	9.5	ug/L	1.4
Biphenyl	ND	9.5	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	9.5	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	9.5	ug/L	0.82
bis(2-Chloroisopropyl) ether	ND	9.5	ug/L	1.0
bis(2-Ethylhexyl) phthalate	ND	9.5	ug/L	0.53
4-Bromophenyl phenyl ether	ND	9.5	ug/L	0.83
Butyl benzyl phthalate	ND	9.5	ug/L	1.4
Caprolactam	ND	9.5	ug/L	4.1
Carbazole	ND	9.5	ug/L	1.6
4-Chloroaniline	ND	9.5	ug/L	4.8
4-Chloro-3-methylphenol	ND	9.5	ug/L	0.79
2-Chloronaphthalene	ND	9.5	ug/L	0.86
2-Chlorophenol	ND	9.5	ug/L	0.95
4-Chlorophenyl phenyl ether	ND	9.5	ug/L	0.81
Chrysene	ND	9.5	ug/L	1.6
Dibenz(a,h)anthracene	ND	9.5	ug/L	0.75
Dibenzofuran	ND	9.5	ug/L	0.77
Di-n-butyl phthalate	ND	9.5	ug/L	0.92
3,3'-Dichlorobenzidine	ND	48	ug/L	4.0

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	9.5	ug/L	0.84
Diethyl phthalate	ND	9.5	ug/L	0.71
2,4-Dimethylphenol	ND	9.5	ug/L	1.8
Dimethyl phthalate	ND	9.5	ug/L	0.78
4,6-Dinitro-2-methylphenol	ND	48	ug/L	3.6
2,4-Dinitrophenol	ND	48	ug/L	4.8
2,4-Dinitrotoluene	ND	9.5	ug/L	0.79
2,6-Dinitrotoluene	ND	9.5	ug/L	0.80
Di-n-octyl phthalate	ND	9.5	ug/L	0.58
1,2-Diphenylhydrazine (as Azobenzene)	ND	9.5	ug/L	0.18
Fluoranthene	ND	9.5	ug/L	0.96
Fluorene	ND	9.5	ug/L	0.72
Hexachlorobenzene	ND	9.5	ug/L	0.86
Hexachlorocyclopentadiene	ND	48	ug/L	24
Hexachloroethane	ND	9.5	ug/L	1.4
Indeno(1,2,3-cd)pyrene	ND	9.5	ug/L	0.68
Isophorone	ND	9.5	ug/L	0.83
2-Methylnaphthalene	ND	9.5	ug/L	0.78
2-Methylphenol	ND	9.5	ug/L	1.0
2-Nitroaniline	ND	48	ug/L	0.90
3-Nitroaniline	ND	48	ug/L	4.0
4-Nitroaniline	ND	48	ug/L	3.6
Nitrobenzene	ND	9.5	ug/L	1.0
2-Nitrophenol	ND	9.5	ug/L	0.89
4-Nitrophenol	ND	48	ug/L	4.7
N-Nitrosodimethylamine	ND	9.5	ug/L	0.83
N-Nitrosodiphenylamine	ND	9.5	ug/L	1.4
N-Nitrosodi-n-propylamine	ND	9.5	ug/L	0.83
Phenanthrene	ND	9.5	ug/L	0.89
Phenol	ND	9.5	ug/L	0.97
Pyrene	ND	9.5	ug/L	1.5
Pyridine	ND	9.5	ug/L	4.2
2,4,5-Trichlorophenol	ND	9.5	ug/L	0.77
2,4,6-Trichlorophenol	ND	9.5	ug/L	0.79

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC/MS Semivolatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	89	(52 - 114)
2-Fluorobiphenyl	86	(58 - 116)
Terphenyl-d14	101	(64 - 126)
2-Fluorophenol	85	(44 - 114)
Phenol-d5	92	(45 - 116)
2,4,6-Tribromophenol	108	(51 - 130)

EA Engineering, Science and Technology

Client Sample ID: OMW21

GC Semivolatiles

Lot-Sample #...: I7F050254-003 Work Order #...: J0A5A1AA Matrix.....: WG
Date Sampled...: 06/04/07 15:30 Date Received..: 06/05/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:44
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	2.5	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	32	(20 - 144)
Tetrachloro-m-xylene	93	(25 - 132)

EA Engineering, Science and Technology

Client Sample ID: OMW21

TOTAL Metals

Lot-Sample #...: I7F050254-003 Matrix.....: WG
Date Sampled...: 06/04/07 15:30 Date Received..: 06/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7157271						
Boron	2.9	1.0	mg/L	SW846 6010B	06/06-06/08/07	J0A5A1AE
		Dilution Factor: 5		Analysis Time..: 11:21	MDL..... .: 0.010	
Prep Batch #...: 7157305						
Silver	0.080 B	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AF
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.040	
Aluminum	1730	50.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AG
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 30.3	
Arsenic	7.2	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AH
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.034	
Barium	112	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A5A1AJ
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.18	
Beryllium	ND	1.0	ug/L	SW846 6020	06/06-06/12/07	J0A5A1AK
		Dilution Factor: 1		Analysis Time..: 14:47	MDL.....: 0.023	
Cadmium	0.10 B	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AL
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.023	
Cobalt	7.8	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AM
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.024	
Copper	33.2	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AN
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.13	
Iron	25700	50.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AP
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 13.8	
Manganese	7140	100	ug/L	SW846 6020	06/06-06/12/07	J0A5A1AR
		Dilution Factor: 10		Analysis Time..: 14:34	MDL.....: 2.2	
Nickel	23.1	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AT
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.13	
Lead	1.2	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A5A1AU
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.050	

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: OMW21

TOTAL Metals

Lot-Sample #...: I7F050254-003 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.78 B	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AV
		Dilution Factor: 1		Analysis Time..: 18:08	MDL ..... .: 0.029	
Selenium	ND	1.0	ug/L	SW846 6020	06/06-06/11/07	J0A5A1AW
		Dilution Factor: 1		Analysis Time..: 18:08	MDL.....: 0.11	
Titanium	1990	100	ug/L	SW846 6020	06/06-06/12/07	J0A5A1AX
		Dilution Factor: 10		Analysis Time..: 14:34	MDL.....: 6.0	
Thallium	0.031 B	1.0	ug/L	SW846 6020	06/06-06/08/07	J0A5A1A0
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.019	
Zinc	7.4 B	10.0	ug/L	SW846 6020	06/06-06/12/07	J0A5A1A1
		Dilution Factor: 1		Analysis Time..: 14:47	MDL.....: 2.1	
Prep Batch #...: 7162268						
Lithium	360	80.0	ug/L	SW846 6020	06/11-06/14/07	J0A5A1AQ
		Dilution Factor: 10		Analysis Time..: 16:07	MDL.....: 2.2	
Prep Batch #...: 7165432						
Mercury	ND	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J0A5A1AD
		Dilution Factor: 1		Analysis Time..: 11:39	MDL.....: 0.000060	

NOTE(S):

B Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-004 Work Order #...: J0A5D1AA Matrix.....: WQ
Date Sampled...: 06/04/07 Date Received..: 06/05/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 19:23
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45
Acetone	**2.7 J**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	ND	1.0	ug/L	0.37
Bromoform	ND	2.0	ug/L	0.27
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	ND	5.0	ug/L	0.84
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	ND	1.0	ug/L	0.38
Carbon tetrachloride	ND	1.0	ug/L	0.41

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-004 Work Order #...: J0A5D1AA Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	ND	1.0	ug/L	0.28
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
Chloroform	ND	1.0	ug/L	0.35
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.41
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F050254-004 Work Order #...: J0A5D1AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	109	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254
MB Lot-Sample #: I7F150000-158

Work Order #...: J033D1AA

Matrix.....: WATER

Prep Date.....: 06/14/07

Analysis Time..: 18:08

Analysis Date..: 06/14/07
Prep Batch #...: 7166158
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Acrylonitrile	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	5.0	ug/L	SW846 8260B
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
n-Butanol	ND	250	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AA Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254
MB Lot-Sample #: I7F180000-358

Work Order #...: J08XN1AA

Matrix.....: WATER

Prep Date.....: 06/15/07

Analysis Time..: 17:32

Analysis Date..: 06/15/07

Prep Batch #...: 7169358

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acrylonitrile	ND	10	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	SW846 8260B
Acetone	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	--	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	5.0	ug/L	SW846 8260B
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
n-Butanol	ND	250	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	110	(67 - 130)
Toluene-d8	104	(83 - 115)
4-Bromofluorobenzene	100	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AA Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254
MB Lot-Sample #: I7F060000-509
Analysis Date..: 06/12/07
Dilution Factor: 1

Work Order #...: J0FF11AA
Prep Date.....: 06/06/07
Prep Batch #...: 7157509

Matrix.....: WATER
Analysis Time..: 12:52

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzoic acid	ND	50	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Benzidine	ND	50	ug/L	SW846 8270C
Biphenyl	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
Pyridine	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(52 - 114)
2-Fluorobiphenyl	83	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	77	(44 - 114)
Phenol-d5	83	(45 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Tribromophenol	95	(51 - 130)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7F050254
MB Lot-Sample #: D7F070000-540

Work Order #...: J0J101AA
Prep Date.....: 06/07/07
Prep Batch #...: 7158540

Matrix.....: WATER
Analysis Time..: 23:07

Analysis Date..: 06/15/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Endrin	ND	0.050	ug/L	SW846 8081A
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	2.5	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
Endrin ketone	ND	0.050	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(20 - 144)
Tetrachloro-m-xylene	80	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: I7F050254 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I7F060000-271 **Prep Batch #...:** 7157271						
Boron	ND	0.20	mg/L	SW846 6010B	06/06-06/07/07	J0DWR1A3
		Dilution Factor: 1				
		Analysis Time..: 17:57				
MB Lot-Sample #: I7F060000-305 **Prep Batch #...:** 7157305						
Aluminum	ND	50.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AE
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Antimony	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AR
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Arsenic	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AF
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Barium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AG
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Beryllium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AH
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Cadmium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Cobalt	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AK
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Copper	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AA
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Iron	ND	50.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AL
		Dilution Factor: 1				
		Analysis Time..: 16:28				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AQ
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Manganese	ND	10.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AN
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Nickel	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AP
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Selenium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AT
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Silver	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AD
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Thallium	ND	1.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AV
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Titanium	ND	10.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AU
		Dilution Factor: 1				
		Analysis Time..: 16:28				
Zinc	ND	10.0	ug/L	SW846 6020	06/06-06/08/07	J0D3F1AW
		Dilution Factor: 1				
		Analysis Time..: 16:28				

MB Lot-Sample #: I7F110000-268 **Prep Batch #...:** 7162268

Lithium	ND	8.0	ug/L	SW846 6020	06/11-06/14/07	J0PX11A1
		Dilution Factor: 1				
		Analysis Time..: 14:47				

MB Lot-Sample #: I7F140000-432 **Prep Batch #...:** 7165432

Mercury	ND	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J02Q01AD
		Dilution Factor: 1				
		Analysis Time..: 11:27				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 14:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	93	(70 - 118)			SW846 8260B
	100	(70 - 118)	8.0	(0-20)	SW846 8260B
Chlorobenzene	87	(65 - 120)			SW846 8260B
	93	(65 - 120)	7.4	(0-20)	SW846 8260B
1,1-Dichloroethene	89	(71 - 125)			SW846 8260B
	97	(71 - 125)	7.9	(0-20)	SW846 8260B
Toluene	94	(76 - 120)			SW846 8260B
	101	(76 - 120)	7.5	(0-20)	SW846 8260B
Trichloroethene	86	(64 - 120)			SW846 8260B
	92	(64 - 120)	6.7	(0-20)	SW846 8260B
Acetone	117	(35 - 161)			SW846 8260B
	128	(35 - 161)	8.7	(0-20)	SW846 8260B
Bromobenzene	84	(63 - 126)			SW846 8260B
	90	(63 - 126)	6.1	(0-20)	SW846 8260B
Bromodichloromethane	95	(53 - 147)			SW846 8260B
	102	(53 - 147)	7.6	(0-20)	SW846 8260B
Bromoform	87	(33 - 151)			SW846 8260B
	93	(33 - 151)	7.6	(0-20)	SW846 8260B
Bromomethane	115	(38 - 163)			SW846 8260B
	126	(38 - 163)	9.3	(0-20)	SW846 8260B
2-Butanone (MEK)	102	(28 - 177)			SW846 8260B
	109	(28 - 177)	6.6	(0-20)	SW846 8260B
n-Butylbenzene	90	(55 - 156)			SW846 8260B
	96	(55 - 156)	6.3	(0-20)	SW846 8260B
sec-Butylbenzene	92	(57 - 153)			SW846 8260B
	97	(57 - 153)	5.8	(0-20)	SW846 8260B
tert-Butylbenzene	96	(65 - 139)			SW846 8260B
	103	(65 - 139)	7.1	(0-20)	SW846 8260B
Carbon disulfide	105	(64 - 128)			SW846 8260B
	107	(64 - 128)	2.0	(0-20)	SW846 8260B
Carbon tetrachloride	95	(55 - 139)			SW846 8260B
	103	(55 - 139)	7.5	(0-20)	SW846 8260B
Chloroethane	103	(62 - 130)			SW846 8260B
	110	(62 - 130)	6.8	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	130 a	(10 - 122)			SW846 8260B
	141 a	(10 - 122)	8.4	(0-20)	SW846 8260B
Chloroform	93	(69 - 128)			SW846 8260B
	100	(69 - 128)	7.4	(0-20)	SW846 8260B
Chloromethane	91	(57 - 148)			SW846 8260B
	98	(57 - 148)	7.2	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chlorotoluene	91	(66 - 134)			SW846 8260B
	97	(66 - 134)	6.9	(0-20)	SW846 8260B
4-Chlorotoluene	90	(62 - 140)			SW846 8260B
	96	(62 - 140)	6.1	(0-20)	SW846 8260B
Dibromochloromethane	92	(55 - 128)			SW846 8260B
	100	(55 - 128)	8.3	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	76	(51 - 133)			SW846 8260B
	80	(51 - 133)	5.6	(0-40)	SW846 8260B
1,2-Dibromoethane (EDB)	87	(67 - 122)			SW846 8260B
	93	(67 - 122)	6.2	(0-20)	SW846 8260B
Dibromomethane	82	(64 - 124)			SW846 8260B
	86	(64 - 124)	5.1	(0-20)	SW846 8260B
1,2-Dichlorobenzene	85	(65 - 122)			SW846 8260B
	91	(65 - 122)	7.2	(0-20)	SW846 8260B
1,3-Dichlorobenzene	87	(69 - 120)			SW846 8260B
	91	(69 - 120)	4.9	(0-20)	SW846 8260B
1,4-Dichlorobenzene	84	(69 - 123)			SW846 8260B
	89	(69 - 123)	5.8	(0-20)	SW846 8260B
Dichlorodifluoromethane	61	(30 - 140)			SW846 8260B
	62	(30 - 140)	1.9	(0-20)	SW846 8260B
1,1-Dichloroethane	102	(75 - 126)			SW846 8260B
	110	(75 - 126)	7.6	(0-20)	SW846 8260B
1,2-Dichloroethane	96	(59 - 138)			SW846 8260B
	101	(59 - 138)	5.0	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	84	(71 - 122)			SW846 8260B
	91	(71 - 122)	7.2	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	84	(75 - 129)			SW846 8260B
	90	(75 - 129)	6.4	(0-20)	SW846 8260B
1,2-Dichloropropane	98	(74 - 118)			SW846 8260B
	107	(74 - 118)	8.7	(0-20)	SW846 8260B
1,3-Dichloropropane	93	(67 - 122)			SW846 8260B
	100	(67 - 122)	7.1	(0-20)	SW846 8260B
2,2-Dichloropropane	101	(71 - 151)			SW846 8260B
	110	(71 - 151)	8.0	(0-20)	SW846 8260B
1,1-Dichloropropene	96	(74 - 127)			SW846 8260B
	103	(74 - 127)	6.2	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	99	(58 - 137)			SW846 8260B
	107	(58 - 137)	7.9	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	102	(42 - 185)			SW846 8260B
	110	(42 - 185)	8.1	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	90	(72 - 121)			SW846 8260B
	97	(72 - 121)	6.9	(0-20)	SW846 8260B
Hexachlorobutadiene	88	(71 - 135)			SW846 8260B
	90	(71 - 135)	2.6	(0-20)	SW846 8260B
2-Hexanone	93	(34 - 184)			SW846 8260B
	100	(34 - 184)	7.9	(0-20)	SW846 8260B
Iodomethane	105	(36 - 159)			SW846 8260B
	113	(36 - 159)	7.4	(0-20)	SW846 8260B
Isopropylbenzene	92	(69 - 124)			SW846 8260B
	99	(69 - 124)	6.7	(0-40)	SW846 8260B
p-Isopropyltoluene	95	(63 - 140)			SW846 8260B
	100	(63 - 140)	5.1	(0-20)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	96	(38 - 171)			SW846 8260B
	104	(38 - 171)	8.8	(0-20)	SW846 8260B
Methylene chloride	90	(66 - 116)			SW846 8260B
	96	(66 - 116)	6.4	(0-20)	SW846 8260B
n-Propylbenzene	89	(57 - 142)			SW846 8260B
	94	(57 - 142)	5.5	(0-20)	SW846 8260B
Styrene	97	(69 - 120)			SW846 8260B
	104	(69 - 120)	7.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	90	(58 - 128)			SW846 8260B
	98	(58 - 128)	7.7	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	85	(54 - 129)			SW846 8260B
	90	(54 - 129)	5.8	(0-20)	SW846 8260B
Tetrachloroethene	74	(50 - 131)			SW846 8260B
	78	(50 - 131)	5.4	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	88	(54 - 144)			SW846 8260B
	94	(54 - 144)	6.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	96	(66 - 131)			SW846 8260B
	104	(66 - 131)	8.1	(0-20)	SW846 8260B
1,1,2-Trichloroethane	87	(62 - 127)			SW846 8260B
	93	(62 - 127)	6.4	(0-20)	SW846 8260B
1,2,3-Trichloropropane	87	(61 - 133)			SW846 8260B
	91	(61 - 133)	4.1	(0-20)	SW846 8260B
Trichlorofluoromethane	89	(60 - 129)			SW846 8260B
	94	(60 - 129)	5.1	(0-20)	SW846 8260B
1,2,4-Trimethylbenzene	96	(58 - 152)			SW846 8260B
	102	(58 - 152)	6.1	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3,5-Trimethylbenzene	113	(59 - 151)			SW846 8260B
	103	(59 - 151)	9.8	(0-20)	SW846 8260B
Vinyl acetate	122	(59 - 153)			SW846 8260B
	132	(59 - 153)	7.7	(0-20)	SW846 8260B
Vinyl chloride	98	(66 - 127)			SW846 8260B
	103	(66 - 127)	4.7	(0-20)	SW846 8260B
Xylenes (total)	95	(72 - 121)			SW846 8260B
	101	(72 - 121)	7.0	(0-20)	SW846 8260B
Acrolein	131	(19 - 217)			SW846 8260B
	135	(19 - 217)	3.4	(0-20)	SW846 8260B
Acrylonitrile	104	(55 - 163)			SW846 8260B
	110	(55 - 163)	5.9	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	76	(37 - 186)			SW846 8260B
	85	(37 - 186)	11	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	84	(74 - 125)			SW846 8260B
	90	(74 - 125)	6.8	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	94	(57 - 144)			SW846 8260B
	102	(57 - 144)	8.0	(0-20)	SW846 8260B
Methyl acetate	86	(49 - 287)			SW846 8260B
	92	(49 - 287)	6.1	(0-20)	SW846 8260B
Methylcyclohexane	99	(70 - 130)			SW846 8260B
	102	(70 - 130)	3.5	(0-20)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	87	(65 - 153)			SW846 8260B
	91	(65 - 153)	4.1	(0-20)	SW846 8260B
n-Butanol	72	(70 - 130)			SW846 8260B
	82	(70 - 130)	14	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
	102	(75 - 115)
Toluene-d8	111	(90 - 114)
	110	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
	105	(86 - 117)
Dibromofluoromethane	102	(81 - 110)
	100	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 14:35
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	18.5	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	8.0	SW846 8260B
Chlorobenzene	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.7	ug/L	93	7.4	SW846 8260B
1,1-Dichloroethene	20.0	17.8	ug/L	89		SW846 8260B
	20.0	19.3	ug/L	97	7.9	SW846 8260B
Toluene	20.0	18.8	ug/L	94		SW846 8260B
	20.0	20.3	ug/L	101	7.5	SW846 8260B
Trichloroethene	20.0	17.2	ug/L	86		SW846 8260B
	20.0	18.4	ug/L	92	6.7	SW846 8260B
Acetone	20.0	23.5	ug/L	117		SW846 8260B
	20.0	25.6	ug/L	128	8.7	SW846 8260B
Bromobenzene	20.0	16.9	ug/L	84		SW846 8260B
	20.0	17.9	ug/L	90	6.1	SW846 8260B
Bromodichloromethane	20.0	18.9	ug/L	95		SW846 8260B
	20.0	20.4	ug/L	102	7.6	SW846 8260B
Bromoform	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.7	ug/L	93	7.6	SW846 8260B
Bromomethane	20.0	22.9	ug/L	115		SW846 8260B
	20.0	25.1	ug/L	126	9.3	SW846 8260B
2-Butanone (MEK)	20.0	20.4	ug/L	102		SW846 8260B
	20.0	21.8	ug/L	109	6.6	SW846 8260B
n-Butylbenzene	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.2	ug/L	96	6.3	SW846 8260B
sec-Butylbenzene	20.0	18.4	ug/L	92		SW846 8260B
	20.0	19.5	ug/L	97	5.8	SW846 8260B
tert-Butylbenzene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.7	ug/L	103	7.1	SW846 8260B
Carbon disulfide	20.0	21.0	ug/L	105		SW846 8260B
	20.0	21.4	ug/L	107	2.0	SW846 8260B
Carbon tetrachloride	20.0	19.1	ug/L	95		SW846 8260B
	20.0	20.6	ug/L	103	7.5	SW846 8260B
Chloroethane	20.0	20.7	ug/L	103		SW846 8260B
	20.0	22.1	ug/L	110	6.8	SW846 8260B
2-Chloroethyl vinyl ether	20.0	25.9 a	ug/L	130		SW846 8260B
	20.0	28.2 a	ug/L	141	8.4	SW846 8260B
Chloroform	20.0	18.6	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	7.4	SW846 8260B
Chloromethane	20.0	18.3	ug/L	91		SW846 8260B
	20.0	19.6	ug/L	98	7.2	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Chlorotoluene	20.0	18.2	ug/L	91		SW846 8260B
	20.0	19.5	ug/L	97	6.9	SW846 8260B
4-Chlorotoluene	20.0	18.1	ug/L	90		SW846 8260B
	20.0	19.2	ug/L	96	6.1	SW846 8260B
Dibromochloromethane	20.0	18.4	ug/L	92		SW846 8260B
	20.0	19.9	ug/L	100	8.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	20.0	15.1	ug/L	76		SW846 8260B
	20.0	16.0	ug/L	80	5.6	SW846 8260B
1,2-Dibromoethane (EDB)	20.0	17.5	ug/L	87		SW846 8260B
	20.0	18.6	ug/L	93	6.2	SW846 8260B
Dibromomethane	20.0	16.3	ug/L	82		SW846 8260B
	20.0	17.2	ug/L	86	5.1	SW846 8260B
1,2-Dichlorobenzene	20.0	17.0	ug/L	85		SW846 8260B
	20.0	18.3	ug/L	91	7.2	SW846 8260B
1,3-Dichlorobenzene	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.2	ug/L	91	4.9	SW846 8260B
1,4-Dichlorobenzene	20.0	16.8	ug/L	84		SW846 8260B
	20.0	17.8	ug/L	89	5.8	SW846 8260B
Dichlorodifluoromethane	20.0	12.2	ug/L	61		SW846 8260B
	20.0	12.5	ug/L	62	1.9	SW846 8260B
1,1-Dichloroethane	20.0	20.3	ug/L	102		SW846 8260B
	20.0	21.9	ug/L	110	7.6	SW846 8260B
1,2-Dichloroethane	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.2	ug/L	101	5.0	SW846 8260B
cis-1,2-Dichloroethene	20.0	16.8	ug/L	84		SW846 8260B
	20.0	18.1	ug/L	91	7.2	SW846 8260B
trans-1,2-Dichloroethene	20.0	16.9	ug/L	84		SW846 8260B
	20.0	18.0	ug/L	90	6.4	SW846 8260B
1,2-Dichloropropane	20.0	19.7	ug/L	98		SW846 8260B
	20.0	21.4	ug/L	107	8.7	SW846 8260B
1,3-Dichloropropane	20.0	18.5	ug/L	93		SW846 8260B
	20.0	19.9	ug/L	100	7.1	SW846 8260B
2,2-Dichloropropane	20.0	20.3	ug/L	101		SW846 8260B
	20.0	22.0	ug/L	110	8.0	SW846 8260B
1,1-Dichloropropene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.5	ug/L	103	6.2	SW846 8260B
cis-1,3-Dichloropropene	20.0	19.9	ug/L	99		SW846 8260B
	20.0	21.5	ug/L	107	7.9	SW846 8260B
trans-1,3-Dichloropropene	20.0	20.3	ug/L	102		SW846 8260B
	20.0	22.1	ug/L	110	8.1	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.3	ug/L	97	6.9	SW846 8260B
Hexachlorobutadiene	20.0	17.6	ug/L	88		SW846 8260B
	20.0	18.0	ug/L	90	2.6	SW846 8260B
2-Hexanone	20.0	18.5	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	7.9	SW846 8260B
Iodomethane	20.0	21.0	ug/L	105		SW846 8260B
	20.0	22.6	ug/L	113	7.4	SW846 8260B
Isopropylbenzene	20.0	18.5	ug/L	92		SW846 8260B
	20.0	19.8	ug/L	99	6.7	SW846 8260B
p-Isopropyltoluene	20.0	18.9	ug/L	95		SW846 8260B
	20.0	19.9	ug/L	100	5.1	SW846 8260B
4-Methyl-2-pentanone (MIBK)	20.0	19.1	ug/L	96		SW846 8260B
	20.0	20.9	ug/L	104	8.8	SW846 8260B
Methylene chloride	20.0	18.1	ug/L	90		SW846 8260B
	20.0	19.3	ug/L	96	6.4	SW846 8260B
n-Propylbenzene	20.0	17.9	ug/L	89		SW846 8260B
	20.0	18.9	ug/L	94	5.5	SW846 8260B
Styrene	20.0	19.4	ug/L	97		SW846 8260B
	20.0	20.9	ug/L	104	7.1	SW846 8260B
1,1,1,2-Tetrachloroethane	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.5	ug/L	98	7.7	SW846 8260B
1,1,2,2-Tetrachloroethane	20.0	17.0	ug/L	85		SW846 8260B
	20.0	18.0	ug/L	90	5.8	SW846 8260B
Tetrachloroethene	20.0	14.8	ug/L	74		SW846 8260B
	20.0	15.7	ug/L	78	5.4	SW846 8260B
1,2,4-Trichloro-benzene	20.0	17.6	ug/L	88		SW846 8260B
	20.0	18.8	ug/L	94	6.3	SW846 8260B
1,1,1-Trichloroethane	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.9	ug/L	104	8.1	SW846 8260B
1,1,2-Trichloroethane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.5	ug/L	93	6.4	SW846 8260B
1,2,3-Trichloropropane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.1	ug/L	91	4.1	SW846 8260B
Trichlorofluoromethane	20.0	17.9	ug/L	89		SW846 8260B
	20.0	18.8	ug/L	94	5.1	SW846 8260B
1,2,4-Trimethylbenzene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.5	ug/L	102	6.1	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3,5-Trimethylbenzene	20.0	22.6	ug/L	113		SW846 8260B
	20.0	20.5	ug/L	103	9.8	SW846 8260B
Vinyl acetate	20.0	24.5	ug/L	122		SW846 8260B
	20.0	26.4	ug/L	132	7.7	SW846 8260B
Vinyl chloride	20.0	19.6	ug/L	98		SW846 8260B
	20.0	20.5	ug/L	103	4.7	SW846 8260B
Xylenes (total)	60.0	56.8	ug/L	95		SW846 8260B
	60.0	60.9	ug/L	101	7.0	SW846 8260B
Acrolein	100	131	ug/L	131		SW846 8260B
	100	135	ug/L	135	3.4	SW846 8260B
Acrylonitrile	100	104	ug/L	104		SW846 8260B
	100	110	ug/L	110	5.9	SW846 8260B
trans-1,4-Dichloro-2-butene	20.0	15.2	ug/L	76		SW846 8260B
	20.0	16.9	ug/L	85	11	SW846 8260B
1,2-Dichloroethene (total)	40.0	33.7	ug/L	84		SW846 8260B
	40.0	36.1	ug/L	90	6.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	20.0	18.8	ug/L	94		SW846 8260B
	20.0	20.4	ug/L	102	8.0	SW846 8260B
Methyl acetate	50.0	43.1	ug/L	86		SW846 8260B
	50.0	45.8	ug/L	92	6.1	SW846 8260B
Methylcyclohexane	50.0	49.3	ug/L	99		SW846 8260B
	50.0	51.0	ug/L	102	3.5	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.1	ug/L	91	4.1	SW846 8260B
n-Butanol	1000	718	ug/L	72		SW846 8260B
	1000	823	ug/L	82	14	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
	102	(75 - 115)
Toluene-d8	111	(90 - 114)
	110	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
	105	(86 - 117)
Dibromofluoromethane	102	(81 - 110)
	100	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD
Prep Date.....: 06/15/07 Analysis Date..: 06/15/07
Prep Batch #...: 7169358 Analysis Time..: 10:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	112	(70 - 118)			SW846 8260B
	111	(70 - 118)	1.1	(0-20)	SW846 8260B
Chlorobenzene	106	(65 - 120)			SW846 8260B
	103	(65 - 120)	2.1	(0-20)	SW846 8260B
1,1-Dichloroethene	111	(71 - 125)			SW846 8260B
	109	(71 - 125)	2.1	(0-20)	SW846 8260B
Toluene	114	(76 - 120)			SW846 8260B
	110	(76 - 120)	3.8	(0-20)	SW846 8260B
Trichloroethene	102	(64 - 120)			SW846 8260B
	100	(64 - 120)	2.0	(0-20)	SW846 8260B
Acetone	134	(35 - 161)			SW846 8260B
	153	(35 - 161)	13	(0-20)	SW846 8260B
Bromobenzene	101	(63 - 126)			SW846 8260B
	104	(63 - 126)	3.0	(0-20)	SW846 8260B
Bromodichloromethane	112	(53 - 147)			SW846 8260B
	115	(53 - 147)	2.9	(0-20)	SW846 8260B
Bromoform	98	(33 - 151)			SW846 8260B
	106	(33 - 151)	7.5	(0-20)	SW846 8260B
Bromomethane	139	(38 - 163)			SW846 8260B
	124	(38 - 163)	12	(0-20)	SW846 8260B
2-Butanone (MEK)	127	(28 - 177)			SW846 8260B
	142	(28 - 177)	11	(0-20)	SW846 8260B
n-Butylbenzene	111	(55 - 156)			SW846 8260B
	105	(55 - 156)	5.5	(0-20)	SW846 8260B
sec-Butylbenzene	113	(57 - 153)			SW846 8260B
	106	(57 - 153)	6.7	(0-20)	SW846 8260B
tert-Butylbenzene	121	(65 - 139)			SW846 8260B
	111	(65 - 139)	8.0	(0-20)	SW846 8260B
Carbon disulfide	125	(64 - 128)			SW846 8260B
	124	(64 - 128)	1.2	(0-20)	SW846 8260B
Carbon tetrachloride	117	(55 - 139)			SW846 8260B
	114	(55 - 139)	2.7	(0-20)	SW846 8260B
Chloroethane	101	(62 - 130)			SW846 8260B
	96	(62 - 130)	4.7	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	159 a	(10 - 122)			SW846 8260B
	177 a	(10 - 122)	11	(0-20)	SW846 8260B
Chloroform	112	(69 - 128)			SW846 8260B
	112	(69 - 128)	0.59	(0-20)	SW846 8260B
Chloromethane	98	(57 - 148)			SW846 8260B
	95	(57 - 148)	3.1	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chlorotoluene	111	(66 - 134)			SW846 8260B
	105	(66 - 134)	5.5	(0-20)	SW846 8260B
4-Chlorotoluene	110	(62 - 140)			SW846 8260B
	105	(62 - 140)	4.2	(0-20)	SW846 8260B
Dibromochloromethane	108	(55 - 128)			SW846 8260B
	113	(55 - 128)	4.6	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	84	(51 - 133)			SW846 8260B
	92	(51 - 133)	9.3	(0-40)	SW846 8260B
1,2-Dibromoethane (EDB)	103	(67 - 122)			SW846 8260B
	110	(67 - 122)	6.4	(0-20)	SW846 8260B
Dibromomethane	97	(64 - 124)			SW846 8260B
	101	(64 - 124)	4.0	(0-20)	SW846 8260B
1,2-Dichlorobenzene	104	(65 - 122)			SW846 8260B
	104	(65 - 122)	0.51	(0-20)	SW846 8260B
1,3-Dichlorobenzene	105	(69 - 120)			SW846 8260B
	102	(69 - 120)	3.0	(0-20)	SW846 8260B
1,4-Dichlorobenzene	103	(69 - 123)			SW846 8260B
	100	(69 - 123)	2.1	(0-20)	SW846 8260B
Dichlorodifluoromethane	84	(30 - 140)			SW846 8260B
	81	(30 - 140)	3.7	(0-20)	SW846 8260B
1,1-Dichloroethane	124	(75 - 126)			SW846 8260B
	122	(75 - 126)	1.5	(0-20)	SW846 8260B
1,2-Dichloroethane	115	(59 - 138)			SW846 8260B
	118	(59 - 138)	3.0	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	103	(71 - 122)			SW846 8260B
	102	(71 - 122)	0.99	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	103	(75 - 129)			SW846 8260B
	99	(75 - 129)	4.0	(0-20)	SW846 8260B
1,2-Dichloropropane	119 a	(74 - 118)			SW846 8260B
	121 a	(74 - 118)	1.8	(0-20)	SW846 8260B
1,3-Dichloropropane	111	(67 - 122)			SW846 8260B
	115	(67 - 122)	3.9	(0-20)	SW846 8260B
2,2-Dichloropropane	126	(71 - 151)			SW846 8260B
	122	(71 - 151)	3.4	(0-20)	SW846 8260B
1,1-Dichloropropene	117	(74 - 127)			SW846 8260B
	114	(74 - 127)	2.5	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	120	(58 - 137)			SW846 8260B
	125	(58 - 137)	4.1	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	124	(42 - 185)			SW846 8260B
	127	(42 - 185)	3.0	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
n-Propylbenzene	108	(57 - 142)			SW846 8260B
	105	(57 - 142)	2.9	(0-20)	SW846 8260B
Acrolein	168	(19 - 217)			SW846 8260B
	175	(19 - 217)	3.9	(0-20)	SW846 8260B
Acrylonitrile	129	(55 - 163)			SW846 8260B
	136	(55 - 163)	5.3	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	94	(37 - 186)			SW846 8260B
	101	(37 - 186)	7.7	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	103	(74 - 125)			SW846 8260B
	100	(74 - 125)	2.5	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	112	(57 - 144)			SW846 8260B
	123	(57 - 144)	9.8	(0-20)	SW846 8260B
Methyl acetate	97	(49 - 287)			SW846 8260B
	105	(49 - 287)	7.2	(0-20)	SW846 8260B
Methylcyclohexane	107	(70 - 130)			SW846 8260B
	103	(70 - 130)	3.6	(0-20)	SW846 8260B
Styrene	116	(69 - 120)			SW846 8260B
	117	(69 - 120)	1.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	109	(58 - 128)			SW846 8260B
	110	(58 - 128)	1.4	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	103	(54 - 129)			SW846 8260B
	112	(54 - 129)	8.8	(0-20)	SW846 8260B
Tetrachloroethene	89	(50 - 131)			SW846 8260B
	85	(50 - 131)	4.4	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	104	(54 - 144)			SW846 8260B
	111	(54 - 144)	6.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	118	(66 - 131)			SW846 8260B
	115	(66 - 131)	2.6	(0-20)	SW846 8260B
1,1,2-Trichloroethane	103	(62 - 127)			SW846 8260B
	109	(62 - 127)	5.5	(0-20)	SW846 8260B
1,2,3-Trichloropropane	107	(61 - 133)			SW846 8260B
	110	(61 - 133)	3.0	(0-20)	SW846 8260B
Trichlorofluoromethane	84	(60 - 129)			SW846 8260B
	81	(60 - 129)	3.6	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2,4-Trimethylbenzene	118	(58 - 152)			SW846 8260B
	112	(58 - 152)	4.9	(0-20)	SW846 8260B
1,3,5-Trimethylbenzene	118	(59 - 151)			SW846 8260B
	111	(59 - 151)	5.6	(0-20)	SW846 8260B
Vinyl acetate	148	(59 - 153)			SW846 8260B
	158 a	(59 - 153)	6.5	(0-20)	SW846 8260B
Vinyl chloride	105	(66 - 127)			SW846 8260B
	92	(66 - 127)	13	(0-20)	SW846 8260B
Xylenes (total)	113	(72 - 121)			SW846 8260B
	110	(72 - 121)	2.3	(0-20)	SW846 8260B
n-Butanol	122	(70 - 130)			SW846 8260B
	153 a,p	(70 - 130)	23	(0-20)	SW846 8260B
Ethylbenzene	110	(72 - 121)			SW846 8260B
	106	(72 - 121)	3.4	(0-20)	SW846 8260B
Hexachlorobutadiene	103	(71 - 135)			SW846 8260B
	101	(71 - 135)	1.9	(0-20)	SW846 8260B
2-Hexanone	109	(34 - 184)			SW846 8260B
	125	(34 - 184)	13	(0-20)	SW846 8260B
Iodomethane	133	(36 - 159)			SW846 8260B
	125	(36 - 159)	6.1	(0-20)	SW846 8260B
Isopropylbenzene	113	(69 - 124)			SW846 8260B
	109	(69 - 124)	3.8	(0-40)	SW846 8260B
p-Isopropyltoluene	116	(63 - 140)			SW846 8260B
	108	(63 - 140)	7.1	(0-20)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	114	(38 - 171)			SW846 8260B
	127	(38 - 171)	11	(0-20)	SW846 8260B
Methylene chloride	110	(66 - 116)			SW846 8260B
	110	(66 - 116)	0.22	(0-20)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	108	(65 - 153)			SW846 8260B
	104	(65 - 153)	3.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(75 - 115)
	109	(75 - 115)
Toluene-d8	110	(90 - 114)
	111	(90 - 114)
4-Bromofluorobenzene	105	(86 - 117)
	107	(86 - 117)
Dibromofluoromethane	101	(81 - 110)
	103	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD
Prep Date.....: 06/15/07 Analysis Date..: 06/15/07
Prep Batch #...: 7169358 Analysis Time..: 10:40
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	22.4	ug/L	112		SW846 8260B
	20.0	22.1	ug/L	111	1.1	SW846 8260B
Chlorobenzene	20.0	21.1	ug/L	106		SW846 8260B
	20.0	20.7	ug/L	103	2.1	SW846 8260B
1,1-Dichloroethene	20.0	22.2	ug/L	111		SW846 8260B
	20.0	21.7	ug/L	109	2.1	SW846 8260B
Toluene	20.0	22.7	ug/L	114		SW846 8260B
	20.0	21.9	ug/L	110	3.8	SW846 8260B
Trichloroethene	20.0	20.5	ug/L	102		SW846 8260B
	20.0	20.1	ug/L	100	2.0	SW846 8260B
Acetone	20.0	26.7	ug/L	134		SW846 8260B
	20.0	30.5	ug/L	153	13	SW846 8260B
Bromobenzene	20.0	20.2	ug/L	101		SW846 8260B
	20.0	20.8	ug/L	104	3.0	SW846 8260B
Bromodichloromethane	20.0	22.4	ug/L	112		SW846 8260B
	20.0	23.1	ug/L	115	2.9	SW846 8260B
Bromoform	20.0	19.6	ug/L	98		SW846 8260B
	20.0	21.1	ug/L	106	7.5	SW846 8260B
Bromomethane	20.0	27.9	ug/L	139		SW846 8260B
	20.0	24.7	ug/L	124	12	SW846 8260B
2-Butanone (MEK)	20.0	25.5	ug/L	127		SW846 8260B
	20.0	28.4	ug/L	142	11	SW846 8260B
n-Butylbenzene	20.0	22.3	ug/L	111		SW846 8260B
	20.0	21.1	ug/L	105	5.5	SW846 8260B
sec-Butylbenzene	20.0	22.7	ug/L	113		SW846 8260B
	20.0	21.2	ug/L	106	6.7	SW846 8260B
tert-Butylbenzene	20.0	24.2	ug/L	121		SW846 8260B
	20.0	22.3	ug/L	111	8.0	SW846 8260B
Carbon disulfide	20.0	25.0	ug/L	125		SW846 8260B
	20.0	24.7	ug/L	124	1.2	SW846 8260B
Carbon tetrachloride	20.0	23.3	ug/L	117		SW846 8260B
	20.0	22.7	ug/L	114	2.7	SW846 8260B
Chloroethane	20.0	20.1	ug/L	101		SW846 8260B
	20.0	19.2	ug/L	96	4.7	SW846 8260B
2-Chloroethyl vinyl ether	20.0	31.7 a	ug/L	159		SW846 8260B
	20.0	35.4 a	ug/L	177	11	SW846 8260B
Chloroform	20.0	22.5	ug/L	112		SW846 8260B
	20.0	22.3	ug/L	112	0.59	SW846 8260B
Chloromethane	20.0	19.6	ug/L	98		SW846 8260B
	20.0	19.0	ug/L	95	3.1	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Chlorotoluene	20.0	22.2	ug/L	111		SW846 8260B
	20.0	21.0	ug/L	105	5.5	SW846 8260B
4-Chlorotoluene	20.0	21.9	ug/L	110		SW846 8260B
	20.0	21.0	ug/L	105	4.2	SW846 8260B
Dibromochloromethane	20.0	21.6	ug/L	108		SW846 8260B
	20.0	22.6	ug/L	113	4.6	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	20.0	16.8	ug/L	84		SW846 8260B
	20.0	18.4	ug/L	92	9.3	SW846 8260B
1,2-Dibromoethane (EDB)	20.0	20.7	ug/L	103		SW846 8260B
	20.0	22.0	ug/L	110	6.4	SW846 8260B
Dibromomethane	20.0	19.4	ug/L	97		SW846 8260B
	20.0	20.2	ug/L	101	4.0	SW846 8260B
1,2-Dichlorobenzene	20.0	20.8	ug/L	104		SW846 8260B
	20.0	20.7	ug/L	104	0.51	SW846 8260B
1,3-Dichlorobenzene	20.0	21.0	ug/L	105		SW846 8260B
	20.0	20.4	ug/L	102	3.0	SW846 8260B
1,4-Dichlorobenzene	20.0	20.5	ug/L	103		SW846 8260B
	20.0	20.1	ug/L	100	2.1	SW846 8260B
Dichlorodifluoromethane	20.0	16.8	ug/L	84		SW846 8260B
	20.0	16.2	ug/L	81	3.7	SW846 8260B
1,1-Dichloroethane	20.0	24.7	ug/L	124		SW846 8260B
	20.0	24.3	ug/L	122	1.5	SW846 8260B
1,2-Dichloroethane	20.0	23.0	ug/L	115		SW846 8260B
	20.0	23.7	ug/L	118	3.0	SW846 8260B
cis-1,2-Dichloroethene	20.0	20.5	ug/L	103		SW846 8260B
	20.0	20.3	ug/L	102	0.99	SW846 8260B
trans-1,2-Dichloroethene	20.0	20.6	ug/L	103		SW846 8260B
	20.0	19.8	ug/L	99	4.0	SW846 8260B
1,2-Dichloropropane	20.0	23.8 a	ug/L	119		SW846 8260B
	20.0	24.3 a	ug/L	121	1.8	SW846 8260B
1,3-Dichloropropane	20.0	22.1	ug/L	111		SW846 8260B
	20.0	23.0	ug/L	115	3.9	SW846 8260B
2,2-Dichloropropane	20.0	25.3	ug/L	126		SW846 8260B
	20.0	24.4	ug/L	122	3.4	SW846 8260B
1,1-Dichloropropene	20.0	23.4	ug/L	117		SW846 8260B
	20.0	22.8	ug/L	114	2.5	SW846 8260B
cis-1,3-Dichloropropene	20.0	23.9	ug/L	120		SW846 8260B
	20.0	24.9	ug/L	125	4.1	SW846 8260B
trans-1,3-Dichloropropene	20.0	24.7	ug/L	124		SW846 8260B
	20.0	25.5	ug/L	127	3.0	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
n-Propylbenzene	20.0	21.6	ug/L	108		SW846 8260B
	20.0	21.0	ug/L	105	2.9	SW846 8260B
Acrolein	100	168	ug/L	168		SW846 8260B
	100	175	ug/L	175	3.9	SW846 8260B
Acrylonitrile	100	129	ug/L	129		SW846 8260B
	100	136	ug/L	136	5.3	SW846 8260B
trans-1,4-Dichloro-2-butene	20.0	18.7	ug/L	94		SW846 8260B
	20.0	20.2	ug/L	101	7.7	SW846 8260B
1,2-Dichloroethene (total)	40.0	41.1	ug/L	103		SW846 8260B
	40.0	40.1	ug/L	100	2.5	SW846 8260B
Methyl tert-butyl ether (MTBE)	20.0	22.3	ug/L	112		SW846 8260B
	20.0	24.6	ug/L	123	9.8	SW846 8260B
Methyl acetate	50.0	48.7	ug/L	97		SW846 8260B
	50.0	52.3	ug/L	105	7.2	SW846 8260B
Methylcyclohexane	50.0	53.4	ug/L	107		SW846 8260B
	50.0	51.5	ug/L	103	3.6	SW846 8260B
Styrene	20.0	23.2	ug/L	116		SW846 8260B
	20.0	23.5	ug/L	117	1.1	SW846 8260B
1,1,1,2-Tetrachloroethane	20.0	21.8	ug/L	109		SW846 8260B
	20.0	22.1	ug/L	110	1.4	SW846 8260B
1,1,2,2-Tetrachloroethane	20.0	20.5	ug/L	103		SW846 8260B
	20.0	22.4	ug/L	112	8.8	SW846 8260B
Tetrachloroethene	20.0	17.7	ug/L	89		SW846 8260B
	20.0	16.9	ug/L	85	4.4	SW846 8260B
1,2,4-Trichloro-benzene	20.0	20.8	ug/L	104		SW846 8260B
	20.0	22.1	ug/L	111	6.3	SW846 8260B
1,1,1-Trichloroethane	20.0	23.5	ug/L	118		SW846 8260B
	20.0	22.9	ug/L	115	2.6	SW846 8260B
1,1,2-Trichloroethane	20.0	20.7	ug/L	103		SW846 8260B
	20.0	21.9	ug/L	109	5.5	SW846 8260B
1,2,3-Trichloropropane	20.0	21.4	ug/L	107		SW846 8260B
	20.0	22.1	ug/L	110	3.0	SW846 8260B
Trichlorofluoromethane	20.0	16.8	ug/L	84		SW846 8260B
	20.0	16.2	ug/L	81	3.6	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 **Work Order #...:** J08XN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,2,4-Trimethylbenzene	20.0	23.6	ug/L	118		SW846 8260B
	20.0	22.4	ug/L	112	4.9	SW846 8260B
1,3,5-Trimethylbenzene	20.0	23.5	ug/L	118		SW846 8260B
	20.0	22.2	ug/L	111	5.6	SW846 8260B
Vinyl acetate	20.0	29.7	ug/L	148		SW846 8260B
	20.0	31.7 a	ug/L	158	6.5	SW846 8260B
Vinyl chloride	20.0	21.0	ug/L	105		SW846 8260B
	20.0	18.4	ug/L	92	13	SW846 8260B
Xylenes (total)	60.0	67.8	ug/L	113		SW846 8260B
	60.0	66.2	ug/L	110	2.3	SW846 8260B
n-Butanol	1000	1220	ug/L	122		SW846 8260B
	1000	1530 a,p	ug/L	153	23	SW846 8260B
Ethylbenzene	20.0	21.9	ug/L	110		SW846 8260B
	20.0	21.2	ug/L	106	3.4	SW846 8260B
Hexachlorobutadiene	20.0	20.7	ug/L	103		SW846 8260B
	20.0	20.3	ug/L	101	1.9	SW846 8260B
2-Hexanone	20.0	21.8	ug/L	109		SW846 8260B
	20.0	24.9	ug/L	125	13	SW846 8260B
Iodomethane	20.0	26.6	ug/L	133		SW846 8260B
	20.0	25.0	ug/L	125	6.1	SW846 8260B
Isopropylbenzene	20.0	22.6	ug/L	113		SW846 8260B
	20.0	21.7	ug/L	109	3.8	SW846 8260B
p-Isopropyltoluene	20.0	23.2	ug/L	116		SW846 8260B
	20.0	21.6	ug/L	108	7.1	SW846 8260B
4-Methyl-2-pentanone (MIBK)	20.0	22.9	ug/L	114		SW846 8260B
	20.0	25.5	ug/L	127	11	SW846 8260B
Methylene chloride	20.0	22.0	ug/L	110		SW846 8260B
	20.0	22.1	ug/L	110	0.22	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.5	ug/L	108		SW846 8260B
	20.0	20.9	ug/L	104	3.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	103	(75 - 115)
	109	(75 - 115)
Toluene-d8	110	(90 - 114)
	111	(90 - 114)
4-Bromofluorobenzene	105	(86 - 117)
	107	(86 - 117)
Dibromofluoromethane	101	(81 - 110)
	103	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J08XN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F180000-358 J08XN1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 13:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	80	(67 - 105)	SW846 8270C
Acenaphthylene	77	(65 - 106)	SW846 8270C
Aniline	66	(26 - 111)	SW846 8270C
Anthracene	78	(60 - 108)	SW846 8270C
Benzo(a)anthracene	75	(63 - 109)	SW846 8270C
Benzo(b)fluoranthene	75	(59 - 108)	SW846 8270C
Benzo(k)fluoranthene	71	(57 - 125)	SW846 8270C
Benzoic acid	70	(10 - 119)	SW846 8270C
Benzo(ghi)perylene	85	(55 - 124)	SW846 8270C
Benzo(a)pyrene	74	(64 - 104)	SW846 8270C
Benzyl alcohol	80	(57 - 122)	SW846 8270C
2-Chlorophenol	76	(61 - 106)	SW846 8270C
4-Chloro-3-methylphenol	79	(64 - 105)	SW846 8270C
bis(2-Chloroethoxy) methane	80	(56 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	74	(55 - 110)	SW846 8270C
bis(2-Chloroisopropyl) ether	75	(54 - 112)	SW846 8270C
bis(2-Ethylhexyl) phthalate	74	(10 - 174)	SW846 8270C
4-Bromophenyl phenyl ether	82	(60 - 116)	SW846 8270C
Butyl benzyl phthalate	74	(59 - 109)	SW846 8270C
Carbazole	83	(57 - 114)	SW846 8270C
4-Chloroaniline	72	(35 - 110)	SW846 8270C
2-Chloronaphthalene	89	(62 - 112)	SW846 8270C
4-Chlorophenyl phenyl ether	81	(57 - 110)	SW846 8270C
Chrysene	71	(65 - 111)	SW846 8270C
Dibenz(a,h)anthracene	66	(60 - 118)	SW846 8270C
Dibenzofuran	80	(65 - 108)	SW846 8270C
Di-n-butyl phthalate	80	(60 - 110)	SW846 8270C
3,3'-Dichlorobenzidine	65	(22 - 121)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4-Dichlorophenol	80	(64 - 106)	SW846 8270C
Diethyl phthalate	82	(61 - 108)	SW846 8270C
2,4-Dimethylphenol	50	(17 - 97)	SW846 8270C
Dimethyl phthalate	80	(65 - 105)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(65 - 114)	SW846 8270C
2,4-Dinitrophenol	78	(46 - 115)	SW846 8270C
2,4-Dinitrotoluene	81	(55 - 113)	SW846 8270C
2,6-Dinitrotoluene	79	(61 - 106)	SW846 8270C
Di-n-octyl phthalate	71	(59 - 113)	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	84	(65 - 115)	SW846 8270C
Fluoranthene	81	(65 - 112)	SW846 8270C
Fluorene	80	(66 - 106)	SW846 8270C
Hexachlorobenzene	82	(65 - 108)	SW846 8270C
Hexachlorocyclopentadiene	31	(1.0- 91)	SW846 8270C
Hexachloroethane	75	(56 - 112)	SW846 8270C
Indeno(1,2,3-cd)pyrene	79	(60 - 118)	SW846 8270C
Isophorone	77	(64 - 112)	SW846 8270C
2-Methylnaphthalene	79	(62 - 107)	SW846 8270C
2-Methylphenol	74	(57 - 106)	SW846 8270C
2-Nitroaniline	78	(58 - 113)	SW846 8270C
3-Nitroaniline	79	(43 - 124)	SW846 8270C
4-Nitroaniline	81	(48 - 130)	SW846 8270C
Nitrobenzene	77	(61 - 108)	SW846 8270C
2-Nitrophenol	80	(63 - 107)	SW846 8270C
4-Nitrophenol	86	(46 - 122)	SW846 8270C
N-Nitrosodi-n-propylamine	80	(53 - 113)	SW846 8270C
N-Nitrosodimethylamine	81	(36 - 114)	SW846 8270C
N-Nitrosodiphenylamine	65	(46 - 92)	SW846 8270C
Phenanthrene	82	(60 - 112)	SW846 8270C
Phenol	76	(54 - 124)	SW846 8270C
Pyrene	77	(64 - 108)	SW846 8270C
Pyridine	72	(18 - 126)	SW846 8270C
2,4,5-Trichlorophenol	84	(56 - 109)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,6-Trichloro-phenol	87	(62 - 106)	SW846 8270C
Benzidine	13	(1.0- 87)	SW846 8270C
Acetophenone	78	(62 - 115)	SW846 8270C
Biphenyl	92	(43 - 162)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 13:21
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	100	79.6	ug/L	80	SW846 8270C
Acenaphthylene	100	77.3	ug/L	77	SW846 8270C
Aniline	100	65.9	ug/L	66	SW846 8270C
Anthracene	100	78.3	ug/L	78	SW846 8270C
Benzo(a)anthracene	100	75.1	ug/L	75	SW846 8270C
Benzo(b)fluoranthene	100	75.3	ug/L	75	SW846 8270C
Benzo(k)fluoranthene	100	70.8	ug/L	71	SW846 8270C
Benzoic acid	100	70.4	ug/L	70	SW846 8270C
Benzo(ghi)perylene	100	84.6	ug/L	85	SW846 8270C
Benzo(a)pyrene	100	74.3	ug/L	74	SW846 8270C
Benzyl alcohol	100	79.7	ug/L	80	SW846 8270C
2-Chlorophenol	100	76.4	ug/L	76	SW846 8270C
4-Chloro-3-methylphenol	100	79.3	ug/L	79	SW846 8270C
bis(2-Chloroethoxy) methane	100	79.6	ug/L	80	SW846 8270C
bis(2-Chloroethyl)-ether	100	74.5	ug/L	74	SW846 8270C
bis(2-Chloroisopropyl) ether	100	75.3	ug/L	75	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	74.3	ug/L	74	SW846 8270C
4-Bromophenyl phenyl ether	100	81.9	ug/L	82	SW846 8270C
Butyl benzyl phthalate	100	73.9	ug/L	74	SW846 8270C
Carbazole	100	82.9	ug/L	83	SW846 8270C
4-Chloroaniline	100	71.7	ug/L	72	SW846 8270C
2-Chloronaphthalene	100	88.6	ug/L	89	SW846 8270C
4-Chlorophenyl phenyl ether	100	80.6	ug/L	81	SW846 8270C
Chrysene	100	71.0	ug/L	71	SW846 8270C
Dibenz(a,h)anthracene	100	66.2	ug/L	66	SW846 8270C
Dibenzofuran	100	79.8	ug/L	80	SW846 8270C
Di-n-butyl phthalate	100	80.5	ug/L	80	SW846 8270C
3,3'-Dichlorobenzidine	100	65.1	ug/L	65	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4-Dichlorophenol	100	79.9	ug/L	80	SW846 8270C
Diethyl phthalate	100	82.3	ug/L	82	SW846 8270C
2,4-Dimethylphenol	100	50.4	ug/L	50	SW846 8270C
Dimethyl phthalate	100	80.1	ug/L	80	SW846 8270C
4,6-Dinitro-2-methylphenol	100	83.7	ug/L	84	SW846 8270C
2,4-Dinitrophenol	100	77.8	ug/L	78	SW846 8270C
2,4-Dinitrotoluene	100	81.1	ug/L	81	SW846 8270C
2,6-Dinitrotoluene	100	78.6	ug/L	79	SW846 8270C
Di-n-octyl phthalate	100	70.6	ug/L	71	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	100	84.5	ug/L	84	SW846 8270C
Fluoranthene	100	80.9	ug/L	81	SW846 8270C
Fluorene	100	79.5	ug/L	80	SW846 8270C
Hexachlorobenzene	100	82.5	ug/L	82	SW846 8270C
Hexachlorocyclopentadiene	100	31.3	ug/L	31	SW846 8270C
Hexachloroethane	100	74.8	ug/L	75	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	79.2	ug/L	79	SW846 8270C
Isophorone	100	77.4	ug/L	77	SW846 8270C
2-Methylnaphthalene	100	79.5	ug/L	79	SW846 8270C
2-Methylphenol	100	74.0	ug/L	74	SW846 8270C
2-Nitroaniline	100	78.0	ug/L	78	SW846 8270C
3-Nitroaniline	100	79.0	ug/L	79	SW846 8270C
4-Nitroaniline	100	80.6	ug/L	81	SW846 8270C
Nitrobenzene	100	76.6	ug/L	77	SW846 8270C
2-Nitrophenol	100	80.0	ug/L	80	SW846 8270C
4-Nitrophenol	100	86.3	ug/L	86	SW846 8270C
N-Nitrosodi-n-propylamine	100	79.7	ug/L	80	SW846 8270C
N-Nitrosodimethylamine	100	81.5	ug/L	81	SW846 8270C
N-Nitrosodiphenylamine	100	64.7	ug/L	65	SW846 8270C
Phenanthrene	100	81.8	ug/L	82	SW846 8270C
Phenol	100	76.0	ug/L	76	SW846 8270C
Pyrene	100	76.9	ug/L	77	SW846 8270C
Pyridine	100	72.0	ug/L	72	SW846 8270C
2,4,5-Trichlorophenol	100	84.2	ug/L	84	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4,6-Trichloro-phenol	100	86.9	ug/L	87	SW846 8270C
Benzidine	100		ug/L	13	SW846 8270C
Acetophenone	100	78.1	ug/L	78	SW846 8270C
Biphenyl	100	91.6	ug/L	92	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0J101AC Matrix.....: WATER
LCS Lot-Sample#: D7F070000-540
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
4,4'-DDT	87	(52 - 128)	SW846 8081A
Aldrin	84	(46 - 119)	SW846 8081A
Dieldrin	100	(71 - 121)	SW846 8081A
Endrin	105	(59 - 133)	SW846 8081A
gamma-BHC (Lindane)	101	(68 - 119)	SW846 8081A
Heptachlor	90	(51 - 117)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(53 - 127)
Tetrachloro-m-xylene	86	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0J101AC Matrix.....: WATER
LCS Lot-Sample#: D7F070000-540
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:10
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4,4'-DDT	0.500	0.433	ug/L	87	SW846 8081A
Aldrin	0.500	0.422	ug/L	84	SW846 8081A
Dieldrin	0.500	0.499	ug/L	100	SW846 8081A
Endrin	0.500	0.523	ug/L	105	SW846 8081A
gamma-BHC (Lindane)	0.500	0.505	ug/L	101	SW846 8081A
Heptachlor	0.500	0.448	ug/L	90	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(53 - 127)
Tetrachloro-m-xylene	86	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I7F060000-271 **Prep Batch #...:** 7157271					
Boron	90	(80 - 120)	SW846 6010B	06/06-06/07/07	J0DWR1CT
		Dilution Factor: 1	Analysis Time..: 18:02		
LCS Lot-Sample#: I7F060000-305 **Prep Batch #...:** 7157305					
Copper	92	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1AC
		Dilution Factor: 1	Analysis Time..: 16:33		
Silver	95	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1AX
		Dilution Factor: 1	Analysis Time..: 16:33		
Aluminum	99	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A0
		Dilution Factor: 1	Analysis Time..: 16:33		
Arsenic	93	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A1
		Dilution Factor: 1	Analysis Time..: 16:33		
Barium	95	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A2
		Dilution Factor: 1	Analysis Time..: 16:33		
Beryllium	99	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A3
		Dilution Factor: 1	Analysis Time..: 16:33		
Cadmium	96	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A4
		Dilution Factor: 1	Analysis Time..: 16:33		
Cobalt	91	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A5
		Dilution Factor: 1	Analysis Time..: 16:33		
Iron	97	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A6
		Dilution Factor: 1	Analysis Time..: 16:33		
Manganese	95	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A8
		Dilution Factor: 1	Analysis Time..: 16:33		
Nickel	90	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1A9
		Dilution Factor: 1	Analysis Time..: 16:33		
Lead	95	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CA
		Dilution Factor: 1	Analysis Time..: 16:33		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	96	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CC
		Dilution Factor: 1	Analysis Time..: 16:33		
Selenium	97	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CD
		Dilution Factor: 1	Analysis Time..: 16:33		
Titanium	96	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CE
		Dilution Factor: 1	Analysis Time..: 16:33		
Thallium	94	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CF
		Dilution Factor: 1	Analysis Time..: 16:33		
Zinc	99	(80 - 120)	SW846 6020	06/06-06/08/07	J0D3F1CG
		Dilution Factor: 1	Analysis Time..: 16:33		
LCS Lot-Sample#:	I7F110000-268	**Prep Batch #...:**	7162268		
Lithium	98	(80 - 120)	SW846 6020	06/11-06/14/07	J0PX11CJ
		Dilution Factor: 1	Analysis Time..: 14:50		
LCS Lot-Sample#:	I7F140000-432	**Prep Batch #...:**	7165432		
Mercury	101	(80 - 120)	SW846 7470A	06/14-06/15/07	J02Q01AF
		Dilution Factor: 1	Analysis Time..: 11:28		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I7F060000-271 **Prep Batch #...:** 7157271							
Boron	0.500	0.448	mg/L	90	SW846 6010B	06/06-06/07/07	J0DWR1CT
			Dilution Factor: 1		Analysis Time..: 18:02		
LCS Lot-Sample#: I7F060000-305 **Prep Batch #...:** 7157305							
Copper	100	91.9	ug/L	92	SW846 6020	06/06-06/08/07	J0D3F1AC
			Dilution Factor: 1		Analysis Time..: 16:33		
Silver	20.0	19.0	ug/L	95	SW846 6020	06/06-06/08/07	J0D3F1AX
			Dilution Factor: 1		Analysis Time..: 16:33		
Aluminum	10000	9890	ug/L	99	SW846 6020	06/06-06/08/07	J0D3F1A0
			Dilution Factor: 1		Analysis Time..: 16:33		
Arsenic	100	92.7	ug/L	93	SW846 6020	06/06-06/08/07	J0D3F1A1
			Dilution Factor: 1		Analysis Time..: 16:33		
Barium	100	94.5	ug/L	95	SW846 6020	06/06-06/08/07	J0D3F1A2
			Dilution Factor: 1		Analysis Time..: 16:33		
Beryllium	100	98.6	ug/L	99	SW846 6020	06/06-06/08/07	J0D3F1A3
			Dilution Factor: 1		Analysis Time..: 16:33		
Cadmium	100	96.5	ug/L	96	SW846 6020	06/06-06/08/07	J0D3F1A4
			Dilution Factor: 1		Analysis Time..: 16:33		
Cobalt	100	91.3	ug/L	91	SW846 6020	06/06-06/08/07	J0D3F1A5
			Dilution Factor: 1		Analysis Time..: 16:33		
Iron	10000	9680	ug/L	97	SW846 6020	06/06-06/08/07	J0D3F1A6
			Dilution Factor: 1		Analysis Time..: 16:33		
Manganese	100	95.2	ug/L	95	SW846 6020	06/06-06/08/07	J0D3F1A8
			Dilution Factor: 1		Analysis Time..: 16:33		
Nickel	100	90.1	ug/L	90	SW846 6020	06/06-06/08/07	J0D3F1A9
			Dilution Factor: 1		Analysis Time..: 16:33		
Lead	100	95.1	ug/L	95	SW846 6020	06/06-06/08/07	J0D3F1CA
			Dilution Factor: 1		Analysis Time..: 16:33		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	100	96.4	ug/L	96	SW846 6020	06/06-06/08/07	J0D3F1CC
			Dilution Factor: 1		Analysis Time..: 16:33		
Selenium	100	97.1	ug/L	97	SW846 6020	06/06-06/08/07	J0D3F1CD
			Dilution Factor: 1		Analysis Time..: 16:33		
Titanium	100	95.8	ug/L	96	SW846 6020	06/06-06/08/07	J0D3F1CE
			Dilution Factor: 1		Analysis Time..: 16:33		
Thallium	100	93.6	ug/L	94	SW846 6020	06/06-06/08/07	J0D3F1CF
			Dilution Factor: 1		Analysis Time..: 16:33		
Zinc	100	99.0	ug/L	99	SW846 6020	06/06-06/08/07	J0D3F1CG
			Dilution Factor: 1		Analysis Time..: 16:33		
LCS Lot-Sample#: I7F110000-268 **Prep Batch #...:** 7162268							
Lithium	50.0	49.0	ug/L	98	SW846 6020	06/11-06/14/07	J0PX11CJ
			Dilution Factor: 1		Analysis Time..: 14:50		
LCS Lot-Sample#: I7F140000-432 **Prep Batch #...:** 7165432							
Mercury	0.00500	0.00506	mg/L	101	SW846 7470A	06/14-06/15/07	J02Q01AF
			Dilution Factor: 1		Analysis Time..: 11:28		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 16:28
Dilution Factor: 20000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	95	(70 - 118)			SW846 8260B
	99	(70 - 118)	4.4	(0-20)	SW846 8260B
Chlorobenzene	90	(65 - 120)			SW846 8260B
	94	(65 - 120)	4.9	(0-20)	SW846 8260B
1,1-Dichloroethene	93	(71 - 125)			SW846 8260B
	95	(71 - 125)	2.2	(0-20)	SW846 8260B
Toluene	97	(76 - 120)			SW846 8260B
	102	(76 - 120)	5.0	(0-20)	SW846 8260B
Trichloroethene	90	(64 - 120)			SW846 8260B
	94	(64 - 120)	3.5	(0-20)	SW846 8260B
Acetone	108	(35 - 161)			SW846 8260B
	142 p	(35 - 161)	25	(0-20)	SW846 8260B
Bromobenzene	86	(63 - 126)			SW846 8260B
	91	(63 - 126)	4.8	(0-20)	SW846 8260B
Bromodichloromethane	97	(53 - 147)			SW846 8260B
	101	(53 - 147)	4.4	(0-20)	SW846 8260B
Bromoform	89	(33 - 151)			SW846 8260B
	92	(33 - 151)	3.4	(0-20)	SW846 8260B
Bromomethane	119	(38 - 163)			SW846 8260B
	127	(38 - 163)	5.7	(0-20)	SW846 8260B
2-Butanone (MEK)	107	(28 - 177)			SW846 8260B
	111	(28 - 177)	3.4	(0-20)	SW846 8260B
n-Butylbenzene	95	(55 - 156)			SW846 8260B
	97	(55 - 156)	2.0	(0-20)	SW846 8260B
sec-Butylbenzene	95	(57 - 153)			SW846 8260B
	98	(57 - 153)	2.7	(0-20)	SW846 8260B
tert-Butylbenzene	100	(65 - 139)			SW846 8260B
	103	(65 - 139)	3.4	(0-20)	SW846 8260B
Carbon disulfide	107	(64 - 128)			SW846 8260B
	105	(64 - 128)	1.1	(0-20)	SW846 8260B
Carbon tetrachloride	93	(55 - 139)			SW846 8260B
	96	(55 - 139)	2.9	(0-20)	SW846 8260B
Chloroethane	105	(62 - 130)			SW846 8260B
	109	(62 - 130)	4.1	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	137 a	(10 - 122)			SW846 8260B
	145 a	(10 - 122)	5.4	(0-20)	SW846 8260B
Chloroform	95	(69 - 128)			SW846 8260B
	99	(69 - 128)	3.6	(0-20)	SW846 8260B
Chloromethane	90	(57 - 148)			SW846 8260B
	94	(57 - 148)	4.1	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chlorotoluene	93	(66 - 134)			SW846 8260B
	96	(66 - 134)	4.1	(0-20)	SW846 8260B
4-Chlorotoluene	93	(62 - 140)			SW846 8260B
	96	(62 - 140)	2.8	(0-20)	SW846 8260B
Dibromochloromethane	96	(55 - 128)			SW846 8260B
	100	(55 - 128)	4.2	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	76	(51 - 133)			SW846 8260B
	78	(51 - 133)	2.8	(0-40)	SW846 8260B
1,2-Dibromoethane (EDB)	91	(67 - 122)			SW846 8260B
	93	(67 - 122)	2.6	(0-20)	SW846 8260B
Dibromomethane	83	(64 - 124)			SW846 8260B
	86	(64 - 124)	3.3	(0-20)	SW846 8260B
1,2-Dichlorobenzene	88	(65 - 122)			SW846 8260B
	91	(65 - 122)	3.2	(0-20)	SW846 8260B
1,3-Dichlorobenzene	88	(69 - 120)			SW846 8260B
	92	(69 - 120)	4.4	(0-20)	SW846 8260B
1,4-Dichlorobenzene	86	(69 - 123)			SW846 8260B
	89	(69 - 123)	3.6	(0-20)	SW846 8260B
Dichlorodifluoromethane	57	(30 - 140)			SW846 8260B
	56	(30 - 140)	0.73	(0-20)	SW846 8260B
1,1-Dichloroethane	104	(75 - 126)			SW846 8260B
	109	(75 - 126)	4.5	(0-20)	SW846 8260B
1,2-Dichloroethane	80	(59 - 138)			SW846 8260B
	88	(59 - 138)	4.9	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	87	(71 - 122)			SW846 8260B
	91	(71 - 122)	3.5	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	88	(75 - 129)			SW846 8260B
	89	(75 - 129)	1.1	(0-20)	SW846 8260B
1,2-Dichloropropane	102	(74 - 118)			SW846 8260B
	106	(74 - 118)	4.0	(0-20)	SW846 8260B
1,3-Dichloropropane	95	(67 - 122)			SW846 8260B
	100	(67 - 122)	4.3	(0-20)	SW846 8260B
2,2-Dichloropropane	106	(71 - 151)			SW846 8260B
	111	(71 - 151)	4.7	(0-20)	SW846 8260B
1,1-Dichloropropene	100	(74 - 127)			SW846 8260B
	102	(74 - 127)	2.5	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	103	(58 - 137)			SW846 8260B
	108	(58 - 137)	4.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	106	(42 - 185)			SW846 8260B
	111	(42 - 185)	4.7	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	93	(72 - 121)			SW846 8260B
	97	(72 - 121)	4.7	(0-20)	SW846 8260B
Hexachlorobutadiene	92	(71 - 135)			SW846 8260B
	90	(71 - 135)	1.8	(0-20)	SW846 8260B
2-Hexanone	99	(34 - 184)			SW846 8260B
	103	(34 - 184)	4.3	(0-20)	SW846 8260B
Iodomethane	106	(36 - 159)			SW846 8260B
	110	(36 - 159)	3.8	(0-20)	SW846 8260B
Isopropylbenzene	96	(69 - 124)			SW846 8260B
	100	(69 - 124)	4.4	(0-40)	SW846 8260B
p-Isopropyltoluene	97	(63 - 140)			SW846 8260B
	100	(63 - 140)	3.4	(0-20)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	99	(38 - 171)			SW846 8260B
	104	(38 - 171)	5.4	(0-20)	SW846 8260B
Methylene chloride	60 a	(66 - 116)			SW846 8260B
	84	(66 - 116)	6.6	(0-20)	SW846 8260B
n-Propylbenzene	93	(57 - 142)			SW846 8260B
	95	(57 - 142)	2.8	(0-20)	SW846 8260B
Styrene	100	(69 - 120)			SW846 8260B
	105	(69 - 120)	5.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	93	(58 - 128)			SW846 8260B
	98	(58 - 128)	5.7	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	87	(54 - 129)			SW846 8260B
	89	(54 - 129)	3.2	(0-20)	SW846 8260B
Tetrachloroethene	78	(50 - 131)			SW846 8260B
	80	(50 - 131)	3.4	(0-20)	SW846 8260B
1,2,4-Trichlorobenzene	91	(54 - 144)			SW846 8260B
	94	(54 - 144)	3.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	100	(66 - 131)			SW846 8260B
	106	(66 - 131)	4.6	(0-20)	SW846 8260B
1,1,2-Trichloroethane	90	(62 - 127)			SW846 8260B
	93	(62 - 127)	4.2	(0-20)	SW846 8260B
1,2,3-Trichloropropane	87	(61 - 133)			SW846 8260B
	91	(61 - 133)	3.5	(0-20)	SW846 8260B
Trichlorofluoromethane	91	(60 - 129)			SW846 8260B
	93	(60 - 129)	2.1	(0-20)	SW846 8260B
1,2,4-Trimethylbenzene	98	(58 - 152)			SW846 8260B
	102	(58 - 152)	3.8	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3,5-Trimethylbenzene	99	(59 - 151)			SW846 8260B
	120	(59 - 151)	19	(0-20)	SW846 8260B
Vinyl acetate	127	(59 - 153)			SW846 8260B
	133	(59 - 153)	4.2	(0-20)	SW846 8260B
Vinyl chloride	97	(66 - 127)			SW846 8260B
	99	(66 - 127)	2.4	(0-20)	SW846 8260B
Xylenes (total)	97	(72 - 121)			SW846 8260B
	101	(72 - 121)	4.6	(0-20)	SW846 8260B
Acrolein	132	(19 - 217)			SW846 8260B
	136	(19 - 217)	2.3	(0-20)	SW846 8260B
Acrylonitrile	106	(55 - 163)			SW846 8260B
	107	(55 - 163)	1.4	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	87	(37 - 186)			SW846 8260B
	85	(37 - 186)	1.8	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	88	(74 - 125)			SW846 8260B
	90	(74 - 125)	2.3	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	98	(57 - 144)			SW846 8260B
	102	(57 - 144)	3.7	(0-20)	SW846 8260B
Methylcyclohexane	107	(70 - 130)			SW846 8260B
	108	(70 - 130)	0.50	(0-20)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	91	(65 - 153)			SW846 8260B
	90	(65 - 153)	0.54	(0-20)	SW846 8260B
n-Butanol	78	(70 - 130)			SW846 8260B
	86	(70 - 130)	9.9	(0-20)	SW846 8260B
Methyl acetate	90	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
	101	(67 - 130)
Toluene-d8	111	(83 - 115)
	110	(83 - 115)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(79 - 119)
	105	(79 - 119)
Dibromofluoromethane	102	(88 - 119)
	100	(88 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

p Relative percent difference (RPD) is outside stated control limits

a Spiked analyte recovery is outside stated control limits

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 16:28
Dilution Factor: 20000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	8600	400000	389000	ug/L	95		SW846 8260B
	8600	400000	406000	ug/L	99	4.4	SW846 8260B
Chlorobenzene	ND	400000	358000	ug/L	90		SW846 8260B
	ND	400000	376000	ug/L	94	4.9	SW846 8260B
1,1-Dichloroethene	10000	400000	383000	ug/L	93		SW846 8260B
	10000	400000	391000	ug/L	95	2.2	SW846 8260B
Toluene	ND	400000	390000	ug/L	97		SW846 8260B
	ND	400000	410000	ug/L	102	5.0	SW846 8260B
Trichloroethene	75000	400000	434000	ug/L	90		SW846 8260B
	75000	400000	450000	ug/L	94	3.5	SW846 8260B
Acetone	60000	400000	490000	ug/L	108		SW846 8260B
	60000	400000	629000	ug/L	142 p	25	SW846 8260B
Bromobenzene	ND	400000	346000	ug/L	86		SW846 8260B
	ND	400000	363000	ug/L	91	4.8	SW846 8260B
Bromodichloromethane	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	405000	ug/L	101	4.4	SW846 8260B
Bromoform	ND	400000	357000	ug/L	89		SW846 8260B
	ND	400000	370000	ug/L	92	3.4	SW846 8260B
Bromomethane	ND	400000	478000	ug/L	119		SW846 8260B
	ND	400000	506000	ug/L	127	5.7	SW846 8260B
2-Butanone (MEK)	ND	400000	427000	ug/L	107		SW846 8260B
	ND	400000	442000	ug/L	111	3.4	SW846 8260B
n-Butylbenzene	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	387000	ug/L	97	2.0	SW846 8260B
sec-Butylbenzene	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	391000	ug/L	98	2.7	SW846 8260B
tert-Butylbenzene	ND	400000	398000	ug/L	100		SW846 8260B
	ND	400000	412000	ug/L	103	3.4	SW846 8260B
Carbon disulfide	ND	400000	426000	ug/L	107		SW846 8260B
	ND	400000	421000	ug/L	105	1.1	SW846 8260B
Carbon tetrachloride	25000	400000	396000	ug/L	93		SW846 8260B
	25000	400000	408000	ug/L	96	2.9	SW846 8260B
Chloroethane	ND	400000	420000	ug/L	105		SW846 8260B
	ND	400000	438000	ug/L	109	4.1	SW846 8260B
2-Chloroethyl vinyl ether	ND	400000	549000	ug/L	137 a		SW846 8260B
	ND	400000	580000	ug/L	145 a	5.4	SW846 8260B
Chloroform	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	394000	ug/L	99	3.6	SW846 8260B
Chloromethane	ND	400000	362000	ug/L	90		SW846 8260B
	ND	400000	377000	ug/L	94	4.1	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorotoluene	ND	400000	370000	ug/L	93		SW846 8260B
	ND	400000	386000	ug/L	96	4.1	SW846 8260B
4-Chlorotoluene	ND	400000	374000	ug/L	93		SW846 8260B
	ND	400000	384000	ug/L	96	2.8	SW846 8260B
Dibromochloromethane	ND	400000	382000	ug/L	96		SW846 8260B
	ND	400000	399000	ug/L	100	4.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	400000	305000	ug/L	76		SW846 8260B
	ND	400000	313000	ug/L	78	2.8	SW846 8260B
1,2-Dibromoethane (EDB)	ND	400000	364000	ug/L	91		SW846 8260B
	ND	400000	373000	ug/L	93	2.6	SW846 8260B
Dibromomethane	ND	400000	334000	ug/L	83		SW846 8260B
	ND	400000	345000	ug/L	86	3.3	SW846 8260B
1,2-Dichlorobenzene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	362000	ug/L	91	3.2	SW846 8260B
1,3-Dichlorobenzene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	367000	ug/L	92	4.4	SW846 8260B
1,4-Dichlorobenzene	ND	400000	344000	ug/L	86		SW846 8260B
	ND	400000	357000	ug/L	89	3.6	SW846 8260B
Dichlorodifluoromethane	ND	400000	227000	ug/L	57		SW846 8260B
	ND	400000	225000	ug/L	56	0.73	SW846 8260B
1,1-Dichloroethane	20000	400000	435000	ug/L	104		SW846 8260B
	20000	400000	455000	ug/L	109	4.5	SW846 8260B
1,2-Dichloroethane	370000	400000	689000	ug/L	80		SW846 8260B
	370000	400000	724000	ug/L	88	4.9	SW846 8260B
cis-1,2-Dichloroethene	ND	400000	355000	ug/L	87		SW846 8260B
	ND	400000	368000	ug/L	91	3.5	SW846 8260B
trans-1,2-Dichloroethene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	355000	ug/L	89	1.1	SW846 8260B
1,2-Dichloropropane	9600	400000	417000	ug/L	102		SW846 8260B
	9600	400000	434000	ug/L	106	4.0	SW846 8260B
1,3-Dichloropropane	ND	400000	382000	ug/L	95		SW846 8260B
	ND	400000	398000	ug/L	100	4.3	SW846 8260B
2,2-Dichloropropane	ND	400000	424000	ug/L	106		SW846 8260B
	ND	400000	444000	ug/L	111	4.7	SW846 8260B
1,1-Dichloropropene	ND	400000	400000	ug/L	100		SW846 8260B
	ND	400000	410000	ug/L	102	2.5	SW846 8260B
cis-1,3-Dichloropropene	ND	400000	411000	ug/L	103		SW846 8260B
	ND	400000	430000	ug/L	108	4.6	SW846 8260B
trans-1,3-Dichloropropene	ND	400000	424000	ug/L	106		SW846 8260B
	ND	400000	444000	ug/L	111	4.7	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Ethylbenzene	ND	400000	372000	ug/L	93		SW846 8260B
	ND	400000	389000	ug/L	97	4.7	SW846 8260B
Hexachlorobutadiene	ND	400000	367000	ug/L	92		SW846 8260B
	ND	400000	360000	ug/L	90	1.8	SW846 8260B
2-Hexanone	ND	400000	394000	ug/L	99		SW846 8260B
	ND	400000	411000	ug/L	103	4.3	SW846 8260B
Iodomethane	ND	400000	425000	ug/L	106		SW846 8260B
	ND	400000	441000	ug/L	110	3.8	SW846 8260B
Isopropylbenzene	ND	400000	384000	ug/L	96		SW846 8260B
	ND	400000	402000	ug/L	100	4.4	SW846 8260B
p-Isopropyltoluene	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	402000	ug/L	100	3.4	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	400000	395000	ug/L	99		SW846 8260B
	ND	400000	416000	ug/L	104	5.4	SW846 8260B
Methylene chloride	1200000	400000	1400000	ug/L	60 a		SW846 8260B
	1200000	400000	1500000	ug/L	84	6.6	SW846 8260B
n-Propylbenzene	ND	400000	370000	ug/L	93		SW846 8260B
	ND	400000	381000	ug/L	95	2.8	SW846 8260B
Styrene	ND	400000	400000	ug/L	100		SW846 8260B
	ND	400000	421000	ug/L	105	5.1	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	400000	372000	ug/L	93		SW846 8260B
	ND	400000	394000	ug/L	98	5.7	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	400000	346000	ug/L	87		SW846 8260B
	ND	400000	358000	ug/L	89	3.2	SW846 8260B
Tetrachloroethene	9600	400000	320000	ug/L	78		SW846 8260B
	9600	400000	332000	ug/L	80	3.4	SW846 8260B
1,2,4-Trichlorobenzene	ND	400000	362000	ug/L	91		SW846 8260B
	ND	400000	374000	ug/L	94	3.3	SW846 8260B
1,1,1-Trichloroethane	170000	400000	571000	ug/L	100		SW846 8260B
	170000	400000	597000	ug/L	106	4.6	SW846 8260B
1,1,2-Trichloroethane	ND	400000	358000	ug/L	90		SW846 8260B
	ND	400000	374000	ug/L	93	4.2	SW846 8260B
1,2,3-Trichloropropane	56000	400000	406000	ug/L	87		SW846 8260B
	56000	400000	420000	ug/L	91	3.5	SW846 8260B
Trichlorofluoromethane	ND	400000	363000	ug/L	91		SW846 8260B
	ND	400000	371000	ug/L	93	2.1	SW846 8260B
1,2,4-Trimethylbenzene	ND	400000	393000	ug/L	98		SW846 8260B
	ND	400000	408000	ug/L	102	3.8	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,3,5-Trimethylbenzene	ND	400000	395000	ug/L	99		SW846 8260B
	ND	400000	479000	ug/L	120	19	SW846 8260B
Vinyl acetate	ND	400000	510000	ug/L	127		SW846 8260B
	ND	400000	532000	ug/L	133	4.2	SW846 8260B
Vinyl chloride	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	398000	ug/L	99	2.4	SW846 8260B
Xylenes (total)	ND	1200000	1170000	ug/L	97		SW846 8260B
	ND	1200000	1230000	ug/L	101	4.6	SW846 8260B
Acrolein	ND	2000000	2650000	ug/L	132		SW846 8260B
	ND	2000000	2710000	ug/L	136	2.3	SW846 8260B
Acrylonitrile	ND	2000000	2120000	ug/L	106		SW846 8260B
	ND	2000000	2150000	ug/L	107	1.4	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	400000	347000	ug/L	87		SW846 8260B
	ND	400000	341000	ug/L	85	1.8	SW846 8260B
1,2-Dichloroethene (total)	ND	800000	706000	ug/L	88		SW846 8260B
	ND	800000	723000	ug/L	90	2.3	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	400000	392000	ug/L	98		SW846 8260B
	ND	400000	407000	ug/L	102	3.7	SW846 8260B
Methylcyclohexane	ND	1000000	1070000	ug/L	107		SW846 8260B
	ND	1000000	1080000	ug/L	108	0.50	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	400000	364000	ug/L	91		SW846 8260B
	ND	400000	362000	ug/L	90	0.54	SW846 8260B
n-Butanol	ND	2000000	1560000	ug/L	78		SW846 8260B
	ND	2000000	1720000	ug/L	86	9.9	SW846 8260B
Methyl acetate	ND	1000000	900000	ug/L	90		SW846 8260B
	ND	1000000	930000	ug/L	93	3.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
	101	(67 - 130)
Toluene-d8	111	(83 - 115)
	110	(83 - 115)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F050254 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(79 - 119)
	105	(79 - 119)
Dibromofluoromethane	102	(88 - 119)
	100	(88 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

p Relative percent difference (RPD) is outside stated control limits

a Spiked analyte recovery is outside stated control limits

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 14:20
Dilution Factor: 0.95

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	85	(67 - 105)			SW846 8270C
	82	(67 - 105)	3.2	(0-30)	SW846 8270C
Acenaphthylene	82	(65 - 106)			SW846 8270C
	80	(65 - 106)	3.2	(0-30)	SW846 8270C
Aniline	0.0 a	(26 - 111)			SW846 8270C
	0.0 a	(26 - 111)	0.0	(0-30)	SW846 8270C
Anthracene	82	(60 - 108)			SW846 8270C
	77	(60 - 108)	6.5	(0-30)	SW846 8270C
Benzo(a)anthracene	84	(63 - 109)			SW846 8270C
	81	(63 - 109)	3.2	(0-30)	SW846 8270C
Benzo(b)fluoranthene	80	(59 - 108)			SW846 8270C
	77	(59 - 108)	3.8	(0-30)	SW846 8270C
Benzo(k)fluoranthene	78	(57 - 125)			SW846 8270C
	77	(57 - 125)	0.76	(0-30)	SW846 8270C
Benzoic acid	134 a	(10 - 119)			SW846 8270C
	145 a	(10 - 119)	7.3	(0-30)	SW846 8270C
Benzo(ghi)perylene	89	(55 - 124)			SW846 8270C
	86	(55 - 124)	3.6	(0-30)	SW846 8270C
Benzo(a)pyrene	78	(64 - 104)			SW846 8270C
	75	(64 - 104)	4.1	(0-30)	SW846 8270C
Benzyl alcohol	87	(57 - 122)			SW846 8270C
	88	(57 - 122)	0.88	(0-30)	SW846 8270C
2-Chlorophenol	83	(61 - 106)			SW846 8270C
	82	(61 - 106)	1.1	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	87	(64 - 105)			SW846 8270C
	83	(64 - 105)	4.7	(0-30)	SW846 8270C
bis(2-Chloroethoxy) methane	86	(56 - 112)			SW846 8270C
	85	(56 - 112)	1.1	(0-30)	SW846 8270C
bis(2-Chloroethyl)-ether	80	(55 - 110)			SW846 8270C
	79	(55 - 110)	1.0	(0-30)	SW846 8270C
bis(2-Chloroisopropyl) ether	82	(54 - 112)			SW846 8270C
	83	(54 - 112)	0.73	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Ethylhexyl) phthalate	83	(10 - 174)			SW846 8270C
	80	(10 - 174)	3.0	(0-30)	SW846 8270C
4-Bromophenyl phenyl ether	89	(60 - 116)			SW846 8270C
	86	(60 - 116)	3.7	(0-30)	SW846 8270C
Butyl benzyl phthalate	81	(59 - 109)			SW846 8270C
	78	(59 - 109)	4.3	(0-30)	SW846 8270C
Carbazole	87	(57 - 114)			SW846 8270C
	82	(57 - 114)	6.2	(0-30)	SW846 8270C
4-Chloroaniline	1.9 a	(35 - 110)			SW846 8270C
	1.2 a,p	(35 - 110)	50	(0-30)	SW846 8270C
2-Chloronaphthalene	96	(62 - 112)			SW846 8270C
	92	(62 - 112)	4.0	(0-30)	SW846 8270C
4-Chlorophenyl phenyl ether	87	(57 - 110)			SW846 8270C
	85	(57 - 110)	1.7	(0-30)	SW846 8270C
Chrysene	77	(65 - 111)			SW846 8270C
	75	(65 - 111)	3.2	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	71	(60 - 118)			SW846 8270C
	68	(60 - 118)	3.2	(0-30)	SW846 8270C
Dibenzofuran	87	(65 - 108)			SW846 8270C
	84	(65 - 108)	3.4	(0-30)	SW846 8270C
Di-n-butyl phthalate	86	(60 - 110)			SW846 8270C
	82	(60 - 110)	4.8	(0-30)	SW846 8270C
3,3'-Dichlorobenzidine	0.83 a	(22 - 121)			SW846 8270C
	0.0 a,p	(22 - 121)	200	(0-30)	SW846 8270C
2,4-Dichlorophenol	87	(64 - 106)			SW846 8270C
	85	(64 - 106)	2.5	(0-30)	SW846 8270C
Diethyl phthalate	89	(61 - 108)			SW846 8270C
	81	(61 - 108)	9.6	(0-30)	SW846 8270C
2,4-Dimethylphenol	36	(17 - 97)			SW846 8270C
	20 p	(17 - 97)	59	(0-30)	SW846 8270C
Dimethyl phthalate	86	(65 - 105)			SW846 8270C
	84	(65 - 105)	2.0	(0-30)	SW846 8270C
4,6-Dinitro-2-methylphenol	96	(65 - 114)			SW846 8270C
	96	(65 - 114)	0.05	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	101	(46 - 115)			SW846 8270C
	97	(46 - 115)	4.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	88	(55 - 113)			SW846 8270C
	86	(55 - 113)	3.0	(0-30)	SW846 8270C
2,6-Dinitrotoluene	84	(61 - 106)			SW846 8270C
	82	(61 - 106)	2.6	(0-30)	SW846 8270C
Di-n-octyl phthalate	80	(59 - 113)			SW846 8270C
	78	(59 - 113)	2.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	91	(65 - 115)			SW846 8270C
	88	(65 - 115)	4.0	(0-30)	SW846 8270C
Fluoranthene	87	(65 - 112)			SW846 8270C
	84	(65 - 112)	3.8	(0-30)	SW846 8270C
Fluorene	86	(66 - 106)			SW846 8270C
	84	(66 - 106)	2.2	(0-30)	SW846 8270C
Hexachlorobenzene	89	(65 - 108)			SW846 8270C
	86	(65 - 108)	3.3	(0-30)	SW846 8270C
Hexachlorocyclopentadiene	39	(1.0- 91)			SW846 8270C
	43	(1.0- 91)	9.0	(0-30)	SW846 8270C
Hexachloroethane	81	(56 - 112)			SW846 8270C
	81	(56 - 112)	0.14	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	84	(60 - 118)			SW846 8270C
	81	(60 - 118)	3.2	(0-30)	SW846 8270C
Isophorone	84	(64 - 112)			SW846 8270C
	82	(64 - 112)	2.2	(0-30)	SW846 8270C
2-Methylnaphthalene	86	(62 - 107)			SW846 8270C
	84	(62 - 107)	2.3	(0-30)	SW846 8270C
2-Methylphenol	78	(57 - 106)			SW846 8270C
	72	(57 - 106)	8.6	(0-30)	SW846 8270C
2-Nitroaniline	53 a	(58 - 113)			SW846 8270C
	38 a,p	(58 - 113)	33	(0-30)	SW846 8270C
3-Nitroaniline	2.0 a	(43 - 124)			SW846 8270C
	0.50 a,p	(43 - 124)	119	(0-30)	SW846 8270C
4-Nitroaniline	9.2 a	(48 - 130)			SW846 8270C
	3.9 a,p	(48 - 130)	80	(0-30)	SW846 8270C
Nitrobenzene	151 a	(61 - 108)			SW846 8270C
	151 a	(61 - 108)	0.17	(0-30)	SW846 8270C
2-Nitrophenol	89	(63 - 107)			SW846 8270C
	89	(63 - 107)	0.41	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitrophenol	107	(46 - 122)			SW846 8270C
	102	(46 - 122)	5.2	(0-30)	SW846 8270C
N-Nitrosodi-n-propyl-amine	87	(53 - 113)			SW846 8270C
	88	(53 - 113)	0.73	(0-30)	SW846 8270C
N-Nitrosodimethylamine	89	(36 - 114)			SW846 8270C
	90	(36 - 114)	1.4	(0-30)	SW846 8270C
N-Nitrosodiphenylamine	67	(46 - 92)			SW846 8270C
	59	(46 - 92)	12	(0-30)	SW846 8270C
Phenanthrene	90	(60 - 112)			SW846 8270C
	88	(60 - 112)	2.4	(0-30)	SW846 8270C
Phenol	137 a	(54 - 124)			SW846 8270C
	138 a	(54 - 124)	0.94	(0-30)	SW846 8270C
Pyrene	82	(64 - 108)			SW846 8270C
	79	(64 - 108)	3.7	(0-30)	SW846 8270C
Pyridine	23	(18 - 126)			SW846 8270C
	9.8 a,p	(18 - 126)	81	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	91	(56 - 109)			SW846 8270C
	89	(56 - 109)	3.0	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	96	(62 - 106)			SW846 8270C
	93	(62 - 106)	2.8	(0-30)	SW846 8270C
Acetophenone	86	(62 - 115)			SW846 8270C
	84	(62 - 115)	1.6	(0-30)	SW846 8270C
Biphenyl	105	(43 - 162)			SW846 8270C
	100	(43 - 162)	4.3	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(52 - 114)
	88	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
	88	(58 - 116)
Terphenyl-d14	97	(64 - 126)
	92	(64 - 126)
2-Fluorophenol	82	(44 - 114)
	79	(44 - 114)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Phenol-d5	90	(45 - 116)
	88	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)
	98	(51 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a -Spiked analyte recovery is outside stated control limits

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 14:20
Dilution Factor: 0.95

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	95.2	81.0	ug/L	85		SW846 8270C
	ND	95.2	78.5	ug/L	82	3.2	SW846 8270C
Acenaphthylene	ND	95.2	78.4	ug/L	82		SW846 8270C
	ND	95.2	75.9	ug/L	80	3.2	SW846 8270C
Aniline	ND	95.2	0.0	ug/L	0.0 a		SW846 8270C
	ND	95.2	0.0	ug/L	0.0 a	0.0	SW846 8270C
Anthracene	ND	95.2	77.8	ug/L	82		SW846 8270C
	ND	95.2	72.9	ug/L	77	6.5	SW846 8270C
Benzo(a)anthracene	ND	95.2	79.8	ug/L	84		SW846 8270C
	ND	95.2	77.2	ug/L	81	3.2	SW846 8270C
Benzo(b)fluoranthene	ND	95.2	76.2	ug/L	80		SW846 8270C
	ND	95.2	73.3	ug/L	77	3.8	SW846 8270C
Benzo(k)fluoranthene	ND	95.2	74.3	ug/L	78		SW846 8270C
	ND	95.2	73.7	ug/L	77	0.76	SW846 8270C
Benzoic acid	ND	95.2	142	ug/L	134 a		SW846 8270C
	ND	95.2	153	ug/L	145 a	7.3	SW846 8270C
Benzo(ghi)perylene	ND	95.2	84.8	ug/L	89		SW846 8270C
	ND	95.2	81.9	ug/L	86	3.6	SW846 8270C
Benzo(a)pyrene	ND	95.2	74.4	ug/L	78		SW846 8270C
	ND	95.2	71.4	ug/L	75	4.1	SW846 8270C
Benzyl alcohol	ND	95.2	82.8	ug/L	87		SW846 8270C
	ND	95.2	83.6	ug/L	88	0.88	SW846 8270C
2-Chlorophenol	ND	95.2	79.4	ug/L	83		SW846 8270C
	ND	95.2	78.5	ug/L	82	1.1	SW846 8270C
4-Chloro-3-methylphenol	ND	95.2	82.7	ug/L	87		SW846 8270C
	ND	95.2	78.8	ug/L	83	4.7	SW846 8270C
bis(2-Chloroethoxy) methane	ND	95.2	81.8	ug/L	86		SW846 8270C
	ND	95.2	80.9	ug/L	85	1.1	SW846 8270C
bis(2-Chloroethyl)-ether	ND	95.2	76.0	ug/L	80		SW846 8270C
	ND	95.2	75.3	ug/L	79	1.0	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	95.2	78.3	ug/L	82		SW846 8270C
	ND	95.2	78.8	ug/L	83	0.73	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
bis(2-Ethylhexyl) phthalate	0.63	95.2	79.5	ug/L	83		SW846 8270C
	0.63	95.2	77.1	ug/L	80	3.0	SW846 8270C
4-Bromophenyl phenyl ether	ND	95.2	84.6	ug/L	89		SW846 8270C
	ND	95.2	81.5	ug/L	86	3.7	SW846 8270C
Butyl benzyl phthalate	ND	95.2	77.3	ug/L	81		SW846 8270C
	ND	95.2	74.0	ug/L	78	4.3	SW846 8270C
Carbazole	ND	95.2	82.6	ug/L	87		SW846 8270C
	ND	95.2	77.7	ug/L	82	6.2	SW846 8270C
4-Chloroaniline	ND	95.2		ug/L	1.9 a		SW846 8270C
	ND	95.2		ug/L	1.2	50	SW846 8270C
	Qualifiers:		a,p				
2-Chloronaphthalene	ND	95.2	91.1	ug/L	96		SW846 8270C
	ND	95.2	87.6	ug/L	92	4.0	SW846 8270C
4-Chlorophenyl phenyl ether	ND	95.2	82.4	ug/L	87		SW846 8270C
	ND	95.2	81.0	ug/L	85	1.7	SW846 8270C
Chrysene	ND	95.2	73.8	ug/L	77		SW846 8270C
	ND	95.2	71.5	ug/L	75	3.2	SW846 8270C
Dibenz(a,h)anthracene	ND	95.2	67.3	ug/L	71		SW846 8270C
	ND	95.2	65.2	ug/L	68	3.2	SW846 8270C
Dibenzofuran	ND	95.2	82.7	ug/L	87		SW846 8270C
	ND	95.2	80.0	ug/L	84	3.4	SW846 8270C
Di-n-butyl phthalate	ND	95.2	81.8	ug/L	86		SW846 8270C
	ND	95.2	77.9	ug/L	82	4.8	SW846 8270C
3,3'-Dichlorobenzidine	ND	95.2		ug/L	0.83 a		SW846 8270C
	ND	95.2	0.0	ug/L	0.0	200	SW846 8270C
	Qualifiers:		a,p				
2,4-Dichlorophenol	ND	95.2	82.5	ug/L	87		SW846 8270C
	ND	95.2	80.5	ug/L	85	2.5	SW846 8270C
Diethyl phthalate	ND	95.2	85.1	ug/L	89		SW846 8270C
	ND	95.2	77.3	ug/L	81	9.6	SW846 8270C
2,4-Dimethylphenol	ND	95.2	34.7	ug/L	36		SW846 8270C
	ND	95.2	18.9	ug/L	20 p	59	SW846 8270C
Dimethyl phthalate	ND	95.2	81.6	ug/L	86		SW846 8270C
	ND	95.2	80.0	ug/L	84	2.0	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,6-Dinitro-2-methylphenol	ND	95.2	91.7	ug/L	96		SW846 8270C
	ND	95.2	91.7	ug/L	96	0.05	SW846 8270C
2,4-Dinitrophenol	ND	95.2	96.3	ug/L	101		SW846 8270C
	ND	95.2	92.4	ug/L	97	4.1	SW846 8270C
2,4-Dinitrotoluene	ND	95.2	84.0	ug/L	88		SW846 8270C
	ND	95.2	81.6	ug/L	86	3.0	SW846 8270C
2,6-Dinitrotoluene	ND	95.2	80.5	ug/L	84		SW846 8270C
	ND	95.2	78.4	ug/L	82	2.6	SW846 8270C
Di-n-octyl phthalate	ND	95.2	76.2	ug/L	80		SW846 8270C
	ND	95.2	74.0	ug/L	78	2.9	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	ND	95.2	86.9	ug/L	91		SW846 8270C
	ND	95.2	83.5	ug/L	88	4.0	SW846 8270C
Fluoranthene	ND	95.2	82.8	ug/L	87		SW846 8270C
	ND	95.2	79.7	ug/L	84	3.8	SW846 8270C
Fluorene	ND	95.2	81.6	ug/L	86		SW846 8270C
	ND	95.2	79.8	ug/L	84	2.2	SW846 8270C
Hexachlorobenzene	ND	95.2	84.5	ug/L	89		SW846 8270C
	ND	95.2	81.7	ug/L	86	3.3	SW846 8270C
Hexachlorocyclopentadiene	ND	95.2	37.1	ug/L	39		SW846 8270C
	ND	95.2	40.6	ug/L	43	9.0	SW846 8270C
Hexachloroethane	ND	95.2	76.9	ug/L	81		SW846 8270C
	ND	95.2	77.0	ug/L	81	0.14	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	95.2	79.8	ug/L	84		SW846 8270C
	ND	95.2	77.4	ug/L	81	3.2	SW846 8270C
Isophorone	ND	95.2	80.1	ug/L	84		SW846 8270C
	ND	95.2	78.4	ug/L	82	2.2	SW846 8270C
2-Methylnaphthalene	ND	95.2	81.7	ug/L	86		SW846 8270C
	ND	95.2	79.8	ug/L	84	2.3	SW846 8270C
2-Methylphenol	ND	95.2	74.4	ug/L	78		SW846 8270C
	ND	95.2	68.3	ug/L	72	8.6	SW846 8270C
2-Nitroaniline	ND	95.2	50.1	ug/L	53 a		SW846 8270C
	ND	95.2	36.0	ug/L	38 a,p	33	SW846 8270C
3-Nitroaniline	ND	95.2		ug/L	2.0 a		SW846 8270C
	ND	95.2		ug/L	0.50	119	SW846 8270C
	Qualifiers: a,p						
4-Nitroaniline	ND	95.2	8.80	ug/L	9.2 a		SW846 8270C
	ND	95.2	3.76	ug/L	3.9	80	SW846 8270C
	Qualifiers: a,p						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Nitrobenzene	ND	95.2	144	ug/L	151 a		SW846 8270C
	ND	95.2	144	ug/L	151 a	0.17	SW846 8270C
2-Nitrophenol	ND	95.2	85.2	ug/L	89		SW846 8270C
	ND	95.2	84.8	ug/L	89	0.41	SW846 8270C
4-Nitrophenol	ND	95.2	102	ug/L	107		SW846 8270C
	ND	95.2	96.8	ug/L	102	5.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	95.2	82.9	ug/L	87		SW846 8270C
	ND	95.2	83.5	ug/L	88	0.73	SW846 8270C
N-Nitrosodimethylamine	ND	95.2	84.4	ug/L	89		SW846 8270C
	ND	95.2	85.6	ug/L	90	1.4	SW846 8270C
N-Nitrosodiphenylamine	ND	95.2	63.4	ug/L	67		SW846 8270C
	ND	95.2	56.2	ug/L	59	12	SW846 8270C
Phenanthrene	ND	95.2	85.9	ug/L	90		SW846 8270C
	ND	95.2	83.9	ug/L	88	2.4	SW846 8270C
Phenol	ND	95.2	130	ug/L	137 a		SW846 8270C
	ND	95.2	131	ug/L	138 a	0.94	SW846 8270C
Pyrene	ND	95.2	77.9	ug/L	82		SW846 8270C
	ND	95.2	75.1	ug/L	79	3.7	SW846 8270C
Pyridine	ND	95.2	22.1	ug/L	23		SW846 8270C
	ND	95.2	9.37	ug/L	9.8	81	SW846 8270C
	Qualifiers:		a,p				
2,4,5-Trichloro-phenol	ND	95.2	86.9	ug/L	91		SW846 8270C
	ND	95.2	84.3	ug/L	89	3.0	SW846 8270C
2,4,6-Trichloro-phenol	ND	95.2	91.1	ug/L	96		SW846 8270C
	ND	95.2	88.6	ug/L	93	2.8	SW846 8270C
Acetophenone	ND	95.2	81.9	ug/L	86		SW846 8270C
	ND	95.2	80.6	ug/L	84	1.6	SW846 8270C
Biphenyl	ND	95.2	99.9	ug/L	105		SW846 8270C
	ND	95.2	95.7	ug/L	100	4.3	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(52 - 114)
	88	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
	88	(58 - 116)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0A4E1A3-MS Matrix.....: WG
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	97	(64 - 126)
	92	(64 - 126)
2-Fluorophenol	82	(44 - 114)
	79	(44 - 114)
Phenol-d5	90	(45 - 116)
	88	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)
	98	(51 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FTH1GK-MS Matrix.....: WATER
MS Lot-Sample #: D7F060414-002 J0FTH1GL-MSD
Date Sampled...: 06/04/07 11:00 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 18:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,4'-DDT	81	(37 - 127)			SW846 8081A
	79	(37 - 127)	2.5	(0-39)	SW846 8081A
Aldrin	91	(49 - 112)			SW846 8081A
	93	(49 - 112)	1.8	(0-41)	SW846 8081A
Dieldrin	101	(56 - 121)			SW846 8081A
	101	(56 - 121)	0.74	(0-32)	SW846 8081A
Endrin	100	(55 - 121)			SW846 8081A
	97	(55 - 121)	3.0	(0-39)	SW846 8081A
gamma-BHC (Lindane)	101	(51 - 123)			SW846 8081A
	101	(51 - 123)	0.51	(0-33)	SW846 8081A
Heptachlor	92	(37 - 130)			SW846 8081A
	93	(37 - 130)	0.13	(0-32)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(20 - 144)
	93	(20 - 144)
Tetrachloro-m-xylene	91	(25 - 132)
	93	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I7F050254 Work Order #...: J0FTH1GK-MS Matrix.....: WATER
MS Lot-Sample #: D7F060414-002 J0FTH1GL-MSD
Date Sampled...: 06/04/07 11:00 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 18:01
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,4'-DDT	ND	0.484	0.392	ug/L	81		SW846 8081A
	ND	0.481	0.382	ug/L	79	2.5	SW846 8081A
Aldrin	ND	0.484	0.441	ug/L	91		SW846 8081A
	ND	0.481	0.450	ug/L	93	1.8	SW846 8081A
Dieldrin	ND	0.484	0.488	ug/L	101		SW846 8081A
	ND	0.481	0.484	ug/L	101	0.74	SW846 8081A
Endrin	ND	0.484	0.483	ug/L	100		SW846 8081A
	ND	0.481	0.468	ug/L	97	3.0	SW846 8081A
gamma-BHC (Lindane)	ND	0.484	0.490	ug/L	101		SW846 8081A
	ND	0.481	0.488	ug/L	101	0.51	SW846 8081A
Heptachlor	ND	0.484	0.447	ug/L	92		SW846 8081A
	ND	0.481	0.446	ug/L	93	0.13	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(20 - 144)
	93	(20 - 144)
Tetrachloro-m-xylene	91	(25 - 132)
	93	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/28/07 12:05 Date Received..: 05/30/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7E300163-001 **Prep Batch #...:** 7157271							
Boron	88	(75 - 125)			SW846 6010B	06/06-06/07/07	JXXVW1DP
	87	(75 - 125)	0.26	(0-20)	SW846 6010B	06/06-06/07/07	JXXVW1DQ

Dilution Factor: 1
Analysis Time..: 18:21

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/28/07 12:05 Date Received..: 05/30/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7E300163-001 **Prep Batch #...:** 7157271									
Boron									
	0.013	0.500	0.451	mg/L	88		SW846 6010B	06/06-06/07/07	JXXVW1DP
	0.013	0.500	0.450	mg/L	87	0.26	SW846 6010B	06/06-06/07/07	JXXVW1DQ

Dilution Factor: 1
Analysis Time..: 18:21

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/21/07 11:30 Date Received..: 06/01/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F040117-003 **Prep Batch #...:** 7157305							
Aluminum	121 N	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AJ
	129 N	(80 - 120)	5.3	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AK
		Dilution Factor: 1					
		Analysis Time. : 16:58					
Antimony	99	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CM
	103	(80 - 120)	3.9	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CN
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Arsenic	96	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AM
	99	(80 - 120)	2.8	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AN
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Barium	93	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AQ
	141 N	(80 - 120)	6.9	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AR
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Beryllium	89	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AU
	89	(80 - 120)	0.32	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AV
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Cadmium	96	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AX
	100	(80 - 120)	3.8	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1A0
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Cobalt	93	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1A2
	96	(80 - 120)	3.1	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1A3
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Copper	90	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AC
	94	(80 - 120)	3.5	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AD
		Dilution Factor: 1					
		Analysis Time..: 16:58					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/21/07 11:30 Date Received..: 06/01/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	103	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1A5
	110	(80 - 120)	4.8	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1A6
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Lead	92	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CJ
	95	(80 - 120)	3.1	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CK
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Manganese	93	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CC
	102	(80 - 120)	4.0	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CD
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Nickel	91	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CF
	95	(80 - 120)	3.5	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CG
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Selenium	96	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CQ
	99	(80 - 120)	2.5	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CR
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Silver	94	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1AF
	98	(80 - 120)	3.7	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1AG
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Thallium	91	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CX
	94	(80 - 120)	3.1	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1C0
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Titanium	103	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1CU
	119	(80 - 120)	5.6	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1CV
		Dilution Factor: 1					
		Analysis Time..: 16:58					
Zinc	93	(80 - 120)			SW846 6020	06/06-06/08/07	JX7QC1C2
	97	(80 - 120)	3.4	(0-20)	SW846 6020	06/06-06/08/07	JX7QC1C3
		Dilution Factor: 1					
		Analysis Time..: 16:58					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/21/07 11:30 Date Received..: 06/01/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F040117-003 **Prep Batch #...:** 7157305									
Aluminum									
	3120	10000	15200 N	ug/L	121		SW846 6020	06/06-06/08/07	JX7QC1AJ
	3120	10000	16100 N	ug/L	129	5.3	SW846 6020	06/06-06/08/07	JX7QC1AK
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Antimony									
	0.37	100	99.4	ug/L	99		SW846 6020	06/06-06/08/07	JX7QC1CM
	0.37	100	103	ug/L	103	3.9	SW846 6020	06/06-06/08/07	JX7QC1CN
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Arsenic									
	4.5	100	101	ug/L	96		SW846 6020	06/06-06/08/07	JX7QC1AM
	4.5	100	104	ug/L	99	2.8	SW846 6020	06/06-06/08/07	JX7QC1AN
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Barium									
	580	100	673	ug/L	93		SW846 6020	06/06-06/08/07	JX7QC1AQ
	580	100	722 N	ug/L	141	6.9	SW846 6020	06/06-06/08/07	JX7QC1AR
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Beryllium									
	0.24	100	89.6	ug/L	89		SW846 6020	06/06-06/08/07	JX7QC1AU
	0.24	100	89.3	ug/L	89	0.32	SW846 6020	06/06-06/08/07	JX7QC1AV
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Cadmium									
	0.036	100	96.0	ug/L	96		SW846 6020	06/06-06/08/07	JX7QC1AX
	0.036	100	99.7	ug/L	100	3.8	SW846 6020	06/06-06/08/07	JX7QC1A0
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Cobalt									
	2.5	100	95.9	ug/L	93		SW846 6020	06/06-06/08/07	JX7QC1A2
	2.5	100	98.9	ug/L	96	3.1	SW846 6020	06/06-06/08/07	JX7QC1A3
			Dilution Factor: 1						
			Analysis Time..: 16:58						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/21/07 11:30 Date Received..: 06/01/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper									
	5.0	100	95.4	ug/L	90		SW846 6020	06/06-06/08/07	JX7QC1AC
	5.0	100	98.9	ug/L	94	3.5	SW846 6020	06/06-06/08/07	JX7QC1AD
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Iron									
	2270	10000	12600	ug/L	103		SW846 6020	06/06-06/08/07	JX7QC1A5
	2270	10000	13200	ug/L	110	4.8	SW846 6020	06/06-06/08/07	JX7QC1A6
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Lead									
	2.1	100	93.7	ug/L	92		SW846 6020	06/06-06/08/07	JX7QC1CJ
	2.1	100	96.7	ug/L	95	3.1	SW846 6020	06/06-06/08/07	JX7QC1CK
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Manganese									
	129	100	223	ug/L	93		SW846 6020	06/06-06/08/07	JX7QC1CC
	129	100	232	ug/L	102	4.0	SW846 6020	06/06-06/08/07	JX7QC1CD
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Nickel									
	5.0	100	96.1	ug/L	91		SW846 6020	06/06-06/08/07	JX7QC1CF
	5.0	100	99.5	ug/L	95	3.5	SW846 6020	06/06-06/08/07	JX7QC1CG
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Selenium									
	0.71	100	97.1	ug/L	96		SW846 6020	06/06-06/08/07	JX7QC1CQ
	0.71	100	99.6	ug/L	99	2.5	SW846 6020	06/06-06/08/07	JX7QC1CR
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Silver									
	ND	20.0	18.9	ug/L	94		SW846 6020	06/06-06/08/07	JX7QC1AF
	ND	20.0	19.6	ug/L	98	3.7	SW846 6020	06/06-06/08/07	JX7QC1AG
			Dilution Factor: 1						
			Analysis Time..: 16:58						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/21/07 11:30 Date Received..: 06/01/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.033	100	90.7	ug/L	91		SW846 6020	06/06-06/08/07	JX7QC1CX
	0.033	100	93.6	ug/L	94	3.1	SW846 6020	06/06-06/08/07	JX7QC1C0
			Dilution Factor: 1						
			Analysis Time .: 16:58						
Titanium									
	172	100	276	ug/L	103		SW846 6020	06/06-06/08/07	JX7QC1CU
	172	100	292	ug/L	119	5.6	SW846 6020	06/06-06/08/07	JX7QC1CV
			Dilution Factor: 1						
			Analysis Time..: 16:58						
Zinc									
	37.5	100	130	ug/L	93		SW846 6020	06/06-06/08/07	JX7QC1C2
	37.5	100	135	ug/L	97	3.4	SW846 6020	06/06-06/08/07	JX7QC1C3
			Dilution Factor: 1						
			Analysis Time..: 16:58						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

N Spiked analyte recovery is outside stated control limits

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060143-001 **Prep Batch #...:** 7162268							
Lithium	87	(80 - 120)			SW846 6020	06/11-06/14/07	J0DKA1CM
	90	(80 - 120)	2.1	(0-20)	SW846 6020	06/11-06/14/07	J0DKA1CN

Dilution Factor. 1
Analysis Time..: 15:03

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060143-001 Prep Batch #...: 7162268									
Lithium									
	34.6	50.0	77.9	ug/L	87		SW846 6020	06/11-06/14/07	J0DKA1CM
	34.6	50.0	79.5	ug/L	90	2.1	SW846 6020	06/11-06/14/07	J0DKA1CN

Dilution Factor: 1
Analysis Time..: 15:03

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 06/04/07 06:00 Date Received..: 06/06/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060111-004 Prep Batch #...: 7165432							
Mercury	99	(75 - 125)			SW846 7470A	06/14-06/15/07	J0C5E1AL
	98	(75 - 125)	0.55	(0-20)	SW846 7470A	06/14-06/15/07	J0C5E1AM

Dilution Factor: 1
Analysis Time..: 11:30

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F050254 Matrix.....: WATER
Date Sampled...: 06/04/07 06:00 Date Received..: 06/06/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060111-004 **Prep Batch #...:** 7165432									
Mercury									
	ND	0.00200	0.00197	mg/L	99		SW846 7470A	06/14-06/15/07	J0C5E1AL
	ND	0.00200	0.00196	mg/L	98	0.55	SW846 7470A	06/14-06/15/07	J0C5E1AM
			Dilution Factor: 1						
			Analysis Time..: 11:30						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: 17F050254

RECEIVED BY: [illegible]

COC NUMBER:

DATE/TIME RECEIVED: 6-5-07 0815

QUOTE/PROFILE: 74895

UNPACKED DATE/TIME: 6-5-07 0830

CLIENT/PROJECT: EA Engineering

SAMPLES LOGGED IN: MK

LOG-IN REVIEWED: CC

Number of Shipping Containers Received with Chain of Custody 2

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: CC

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: CC **IR THERMOMETER #:** P4

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 3.1°C	SC 2.0°C	SC	SC	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☑ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☐ NA ☑ YES ☑ VOA Samples **VERIFIED BY:** CC

NOTE: pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO

Acid preserved are<pH 2: ☑ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES

Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine per specification (N.C.) ☐ YES

Free chlorine present: ☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace

Sample ID	mm Headspace

STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I7F050254

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: CC

Samples received match COC: ☑ YES ☐ NO

Bottles received intact: ☑ YES ☐ NO

See additional discrepancies/comments section: ☐ YES ☑ NO

Samples received from USDA restricted area: ☐ YES ☑ NO

Chain-of-Custody form properly maintained: ☑ YES ☐ NO

VOA trip blanks included: 4 total ☑ YES ☐ NO ☐ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: [signature] Date: 6/6/07

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Chain of Custody Record

I7F050254

STL4149 (1202)

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-04-2007
Address: 405 S. Hwy 121 Ste C-100	Telephone Number (Area Code)/Fax Number: 972-315-3202 / 972-315-5151	Lab Location: Austin
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly	
Project Number/Name: 1434206 / Sulfco Marine	Carrier/Waybill Number: Fed Ex 8595 7905 6600	
Contract/Purchase Order/Quote Number		

Page 1 of 2

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	VOC	SVOC	Metals 6010B/7470A	Cyanide, Total
OMW27B	6-04-07	1400	SW	40ml/250ml/1L	V/P/P	9	HCl/[illegible]	2.8 6-5-07 CC	✓	✓	✓	✓
Trip Blank	—	—	W	40ml	V	2	HCl		✓			

Special Instructions

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-04-07	1830	1. Received By: FedEx 8595 7905 6600	6-04-07	1830
2. Relinquished By:			2. Received By: [signature]	6-5-07	0915
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

STL4149 (1202)

I7F050254

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-04-07	Page 2 of 2
Address: 405 S. Hwy 121 C-160	Telephone Number (Area Code)/Fax Number: 972-315-3922/972-315-5741	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 14342066 / Sulfco Marine	Carrier/Waybill Number: FedEx 8595 7905 6736		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No	Preservative	Condition on Receipt/Comments	TDS	Sulfate	Metals	Chloride
OMW 21	6-04-07	1530	SW	40 ml/250 ml/1L	G/P/G	9	HCl/HNO_3/—	3.1° cc ~~[illegible]~~	✓	✓	✓	✓
Trip Blank	—	—	W	40 ml	G	2	HCl	6-5-07 cc	✓			

Special Instructions: Note: metals sample filtered due to high turbidity (564 NTU) w/ 10 micron filter.

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-04-07	1530	1. Received By: FedEx 8595 7905 6736	6-04-07	1530
2. Relinquished By:			2. Received By: [signature]	6-5-07	0815
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample. CANARY - Returned to Client with Report PINK - Field Copy

Chain of Custody Record

73327

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL4149 (1202)

I7F050254

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-04-2007
Address: 405 S. Hwy 121 : C-100	Telephone Number (Area Code)/Fax Number: 972-315-3422 / 972-315-5151	Lab Location: Austin
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Melly	
Project Number/Name: 1434206 / Sulfco Marine	Carrier/Waybill Number: FedEx 8595 7905 6000	
Contract/Purchase Order/Quote Number		

Page 1 of 2

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260B	SVOC 8270C	Metals 6010/7470/7471	Cl/SO4/NO3/NO2
OMW27B	6-04-07	1400	SW	40ml/250ml/1L	S/P/S	9	HCl/HNO3/—	2.8 6-5-07 CC	✓	✓	✓	✓
W.q Blank	—	—	W	40ml	S	2	HCl		✓			

Special Instructions

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mark Melly	6-04-07	1830	1. Received By: FedEx 8595 7905 6000	6-04-07	1830
2. Relinquished By			2. Received By: [signature]	6-5-07	0815
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample CANARY - Returned to Client with Report. PINK - Field Copy

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

73328

STL4149 (1202)

I7F050254

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-04-07	Page 2 of 2
Address: 405 S. Hwy 121 C-160	Telephone Number (Area Code)/Fax Number: 972-315-3922/972-315-5181	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 1434206 / Gulfie Marine	Carrier/Waybill Number: FedEx 8595 7905 6736		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	SVOC	VOC	Volatile Organics 624/8260	Organics 8270/8270A
QMW 21	6-04-07	1530	GW	40ml/250ml/1L	G/P/G	9	HCl/HNO3/—	3.1° ~~5-6-07 cc~~ cc	✓	✓	✓	✓
Trip Blank	—	—	W	40ml	G	2	HCl	6-5-07 cc	✓			

Special Instructions: Note: metals sample filtered due to high turbidity (564 NTU) w/ 10 micron filter.

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-04-07	1830	1. Received By: FedEx 8595 7905 6736	6-04-07	1830
2. Relinquished By:			2. Received By: [signature]	6-5-07	0815
3. Relinquished By:			3. Received By:	6-5-07	0815

Comments:

DISTRIBUTION: WHITE - Stays with the Sample. CANARY - Returned to Client with Report. PINK - Field Copy

Supporting Documentation

Lot Number I7F050254

(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of each section.)

	Check below when supporting documentation is present.
GC/MS Volatile	✓
GC/MS Semivolatile	✓
GC Volatile	
GC Semivolatile	
Metals	✓
General Chemistry	

GC/MS VOLATILES

CLP-Like Forms I - IV

Forms V, VI, VII and VIII can be found in the QC & Sample Data by Batch

Form VI can also be found in the Calibration Section

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A4E1A2 Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	**Acetone**	**8.2**	
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	**Bromodichloromethane**	**3.5**	
75-25-2	**Bromoform**	**1.9**	**J**
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1:0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	**Dibromochloromethane**	**3.2**	
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	**Chloroform**	**2.4**	
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	**Dibromomethane**	**0.45**	**J**
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A4E1A2 Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A4E1A2 Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	112	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	115	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID: I7F050254 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A471AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	2.6	J
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID:I7F050254 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A471AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID:I7F050254 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A471AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	99	(67 - 130)
Toluene-d8	109	(83 - 115)
4-Bromofluorobenzene	106	(79 - 119)
Dibromofluoromethane	98	(88 - 119)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5A1A2 Date Extracted: 06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:

QC Batch: 7169358

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	6.5	
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5A1A2 Date Extracted: 06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:

QC Batch: 7169358

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5A1A2 Date Extracted: 06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:

QC Batch: 7169358

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	**2-Butanone (MEK)**	**1.0**	**J**
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	119	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	114	(79 - 119)
Dibromofluoromethane	101	(88 - 119)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID: I7F050254 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5D1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	**Acetone**	**2.7**	**J**
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID: I7F050254 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5D1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID: I7F050254 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/05/07
Work Order: J0A5D1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	103	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	109	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	5.0	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	10	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	107	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	23.5	
107-02-8	Acrolein	131	
107-13-1	Acrylonitrile	104	
71-43-2	Benzene	18.5	
108-86-1	Bromobenzene	16.9	
75-27-4	Bromodichloromethane	18.9	
75-25-2	Bromoform	17.3	
74-83-9	Bromomethane	22.9	
104-51-8	n-Butylbenzene	18.0	
135-98-8	sec-Butylbenzene	18.4	
98-06-6	tert-Butylbenzene	19.3	
75-15-0	Carbon disulfide	21.0	
56-23-5	Carbon tetrachloride	19.1	
108-90-7	Chlorobenzene	17.3	
124-48-1	Dibromochloromethane	18.4	
75-00-3	Chloroethane	20.7	
110-75-8	2-Chloroethyl vinyl ether	25.9	a
67-66-3	Chloroform	18.6	
74-87-3	Chloromethane	18.3	
95-49-8	2-Chlorotoluene	18.2	
106-43-4	4-Chlorotoluene	18.1	
74-95-3	Dibromomethane	16.3	
95-50-1	1,2-Dichlorobenzene	17.0	
541-73-1	1,3-Dichlorobenzene	17.3	
106-46-7	1,4-Dichlorobenzene	16.8	
110-57-6	trans-1,4-Dichloro-2-butene	15.2	
75-71-8	Dichlorodifluoromethane	12.2	
75-34-3	1,1-Dichloroethane	20.3	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	19.3	
75-35-4	1,1-Dichloroethene	17.8	
156-59-2	cis-1,2-Dichloroethene	16.8	
156-60-5	trans-1,2-Dichloroethene	16.9	
540-59-0	1,2-Dichloroethene (total)	33.7	
78-87-5	1,2-Dichloropropane	19.7	
142-28-9	1,3-Dichloropropane	18.5	
594-20-7	2,2-Dichloropropane	20.3	
563-58-6	1,1-Dichloropropene	19.3	
10061-01-5	cis-1,3-Dichloropropene	19.9	
10061-02-6	trans-1,3-Dichloropropene	20.3	
100-41-4	Ethylbenzene	18.0	
75-69-4	Trichlorofluoromethane	17.9	
87-68-3	Hexachlorobutadiene	17.6	
591-78-6	2-Hexanone	18.5	
74-88-4	Iodomethane	21.0	
98-82-8	Isopropylbenzene	18.5	
99-87-6	p-Isopropyltoluene	18.9	
79-20-9	Methyl acetate	43.1	
108-87-2	Methylcyclohexane	49.3	
75-09-2	Methylene chloride	18.1	
103-65-1	n-Propylbenzene	17.9	
100-42-5	Styrene	19.4	
630-20-6	1,1,1,2-Tetrachloroethane	18.0	
79-34-5	1,1,2,2-Tetrachloroethane	17.0	
127-18-4	Tetrachloroethene	14.8	
108-88-3	Toluene	18.8	
120-82-1	1,2,4-Trichlorobenzene	17.6	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	19.3	
79-00-5	1,1,2-Trichloroethane	17.4	
79-01-6	Trichloroethene	17.2	
96-18-4	1,2,3-Trichloropropane	17.4	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	17.4	
95-63-6	1,2,4-Trimethylbenzene	19.3	
108-67-8	1,3,5-Trimethylbenzene	22.6	
108-05-4	Vinyl acetate	24.5	
75-01-4	Vinyl chloride	19.6	
1330-20-7	Xylenes (total)	56.8	
71-36-3	n-Butanol	718	
96-12-8	1,2-Dibromo-3-chloropropane	15.1	
106-93-4	1,2-Dibromoethane (EDB)	17.5	
78-93-3	2-Butanone (MEK)	20.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	19.1	
1634-04-4	Methyl tert-butyl ether (MTB	18.8	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
Toluene-d8	111	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
Dibromofluoromethane	102	(81 - 110)

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	25.6	
107-02-8	Acrolein	135	
107-13-1	Acrylonitrile	110	
71-43-2	Benzene	20.1	
108-86-1	Bromobenzene	17.9	
75-27-4	Bromodichloromethane	20.4	
75-25-2	Bromoform	18.7	
74-83-9	Bromomethane	25.1	
104-51-8	n-Butylbenzene	19.2	
135-98-8	sec-Butylbenzene	19.5	
98-06-6	tert-Butylbenzene	20.7	
75-15-0	Carbon disulfide	21.4	
56-23-5	Carbon tetrachloride	20.6	
108-90-7	Chlorobenzene	18.7	
124-48-1	Dibromochloromethane	19.9	
75-00-3	Chloroethane	22.1	
110-75-8	2-Chloroethyl vinyl ether	28.2	a
67-66-3	Chloroform	20.1	
74-87-3	Chloromethane	19.6	
95-49-8	2-Chlorotoluene	19.5	
106-43-4	4-Chlorotoluene	19.2	
74-95-3	Dibromomethane	17.2	
95-50-1	1,2-Dichlorobenzene	18.3	
541-73-1	1,3-Dichlorobenzene	18.2	
106-46-7	1,4-Dichlorobenzene	17.8	
110-57-6	trans-1,4-Dichloro-2-butene	16.9	
75-71-8	Dichlorodifluoromethane	12.5	
75-34-3	1,1-Dichloroethane	21.9	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	20.2	
75-35-4	1,1-Dichloroethene	19.3	
156-59-2	cis-1,2-Dichloroethene	18.1	
156-60-5	trans-1,2-Dichloroethene	18.0	
540-59-0	1,2-Dichloroethene (total)	36.1	
78-87-5	1,2-Dichloropropane	21.4	
142-28-9	1,3-Dichloropropane	19.9	
594-20-7	2,2-Dichloropropane	22.0	
563-58-6	1,1-Dichloropropene	20.5	
10061-01-5	cis-1,3-Dichloropropene	21.5	
10061-02-6	trans-1,3-Dichloropropene	22.1	
100-41-4	Ethylbenzene	19.3	
75-69-4	Trichlorofluoromethane	18.8	
87-68-3	Hexachlorobutadiene	18.0	
591-78-6	2-Hexanone	20.1	
74-88-4	Iodomethane	22.6	
98-82-8	Isopropylbenzene	19.8	
99-87-6	p-Isopropyltoluene	19.9	
79-20-9	Methyl acetate	45.8	
108-87-2	Methylcyclohexane	51.0	
75-09-2	Methylene chloride	19.3	
103-65-1	n-Propylbenzene	18.9	
100-42-5	Styrene	20.9	
630-20-6	1,1,1,2-Tetrachloroethane	19.5	
79-34-5	1,1,2,2-Tetrachloroethane	18.0	
127-18-4	Tetrachloroethene	15.7	
108-88-3	Toluene	20.3	
120-82-1	1,2,4-Trichlorobenzene	18.8	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	20.9	
79-00-5	1,1,2-Trichloroethane	18.5	
79-01-6	Trichloroethene	18.4	
96-18-4	1,2,3-Trichloropropane	18.1	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	18.1	
95-63-6	1,2,4-Trimethylbenzene	20.5	
108-67-8	1,3,5-Trimethylbenzene	20.5	
108-05-4	Vinyl acetate	26.4	
75-01-4	Vinyl chloride	20.5	
1330-20-7	Xylenes (total)	60.9	
71-36-3	n-Butanol	823	
96-12-8	1,2-Dibromo-3-chloropropane	16.0	
106-93-4	1,2-Dibromoethane (EDB)	18.6	
78-93-3	2-Butanone (MEK)	21.8	
108-10-1	4-Methyl-2-pentanone (MIBK)	20.9	
1634-04-4	Methyl tert-butyl ether (MTB	20.4	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	102	(75 - 115)
Toluene-d8	110	(90 - 114)
4-Bromofluorobenzene	105	(86 - 117)
Dibromofluoromethane	100	(81 - 110)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

PARENT

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted: 06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-97-5	Bromochloromethane	20000	U
91-20-3	Naphthalene	40000	U
87-61-6	1,2,3-Trichlorobenzene	20000	U
108-11-2	4-Methyl-2-pentanol	1000000	U
75-05-8	Acetonitrile	500000	U
107-04-0	1-Bromo-2-chloroethane	40000	U
126-99-8	2-Chloro-1,3-butadiene	20000	U
544-10-5	1-Chlorohexane	20000	U
107-05-1	3-Chloropropene	20000	U
110-82-7	Cyclohexane	40000	U
97-63-2	Ethyl methacrylate	20000	U
80-62-6	Methyl methacrylate	20000	U
107-12-0	Propionitrile	200000	U
109-99-9	Tetrahydrofuran	100000	U
Q02358	2-Ethyltoluene	80000000	U
620-14-4	3-Ethyltoluene	20000	U
108-94-1	Cyclohexanone	10000000	U
79-46-9	2-Nitropropane	100000	U
100-44-7	Benzyl chloride	100000	U
74-96-4	Bromoethane	200000	U
141-78-6	Ethyl acetate	1000000	U
60-29-7	Ethyl ether	400000	U
110-54-3	Hexane	20000	U
108-20-3	Isopropyl ether	20000	U
76-01-7	Pentachloroethane	50000	U
136777-61-2	m-Xylene & p-Xylene	40000	U
95-47-6	o-Xylene	20000	U
Q2279	TOTAL BTEX	160000	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
123-91-1	1,4-Dioxane	4000000	U
126-98-7	Methacrylonitrile	100000	U
78-83-1	Isobutyl alcohol	2500000	U
75-65-0	tert-Butyl alcohol	2500000	U
75-21-8	Ethylene oxide	4000000	U
106-89-8	Epichlorohydrin	1000000	U
75-56-9	Propylene oxide	500000	U
542-75-6	1,3-Dichloropropene (total)	40000	U
67-64-1	**Acetone**	**60000**	**J**
107-02-8	Acrolein	200000	U
107-13-1	Acrylonitrile	200000	U
71-43-2	**Benzene**	**8600**	**J**
108-86-1	Bromobenzene	20000	U
75-27-4	Bromodichloromethane	20000	U
75-25-2	Bromoform	40000	U
74-83-9	Bromomethane	40000	U
104-51-8	n-Butylbenzene	20000	U
135-98-8	sec-Butylbenzene	20000	U
98-06-6	tert-Butylbenzene	20000	U
75-15-0	Carbon disulfide	20000	U
56-23-5	**Carbon tetrachloride**	**25000**	
108-90-7	Chlorobenzene	20000	U
124-48-1	Dibromochloromethane	20000	U
75-00-3	Chloroethane	40000	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	20000	U
74-87-3	Chloromethane	40000	U
95-49-8	2-Chlorotoluene	20000	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
106-43-4	4-Chlorotoluene	20000	U
74-95-3	Dibromomethane	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
110-57-6	trans-1,4-Dichloro-2-butene	100000	U
75-71-8	Dichlorodifluoromethane	40000	U
75-34-3	**1,1-Dichloroethane**	**20000**	
107-06-2	**1,2-Dichloroethane**	**370000**	
75-35-4	**1,1-Dichloroethene**	**10000**	**J**
156-59-2	cis-1,2-Dichloroethene	20000	U
156-60-5	trans-1,2-Dichloroethene	20000	U
540-59-0	1,2-Dichloroethene (total)	40000	U
78-87-5	**1,2-Dichloropropane**	**9600**	**J**
142-28-9	1,3-Dichloropropane	20000	U
594-20-7	2,2-Dichloropropane	20000	U
563-58-6	1,1-Dichloropropene	20000	U
10061-01-5	cis-1,3-Dichloropropene	20000	U
10061-02-6	trans-1,3-Dichloropropene	20000	U
100-41-4	Ethylbenzene	20000	U
75-69-4	Trichlorofluoromethane	40000	U
87-68-3	Hexachlorobutadiene	20000	U
591-78-6	2-Hexanone	100000	U
74-88-4	Iodomethane	20000	U
98-82-8	Isopropylbenzene	20000	U
99-87-6	p-Isopropyltoluene	20000	U
79-20-9	Methyl acetate	100000	U
108-87-2	Methylcyclohexane	100000	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-09-2	**Methylene chloride**	**1200000**	
103-65-1	n-Propylbenzene	20000	U
100-42-5	Styrene	20000	U
630-20-6	1,1,1,2-Tetrachloroethane	20000	U
79-34-5	1,1,2,2-Tetrachloroethane	20000	U
127-18-4	**Tetrachloroethene**	**9600**	**J**
108-88-3	Toluene	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
71-55-6	**1,1,1-Trichloroethane**	**170000**	
79-00-5	1,1,2-Trichloroethane	20000	U
79-01-6	**Trichloroethene**	**75000**	
96-18-4	**1,2,3-Trichloropropane**	**56000**	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	20000	U
95-63-6	1,2,4-Trimethylbenzene	20000	U
108-67-8	1,3,5-Trimethylbenzene	20000	U
108-05-4	Vinyl acetate	40000	U
75-01-4	Vinyl chloride	40000	U
1330-20-7	Xylenes (total)	60000	U
71-36-3	n-Butanol	5000000	U
96-12-8	1,2-Dibromo-3-chloropropane	100000	U
106-93-4	1,2-Dibromoethane (EDB)	20000	U
78-93-3	2-Butanone (MEK)	100000	U
108-10-1	4-Methyl-2-pentanone (MIBK)	100000	U
1634-04-4	Methyl tert-butyl ether (MTB	20000	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	109	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	109	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A3 Date Extracted: 06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	490000	
107-02-8	Acrolein	2650000	
107-13-1	Acrylonitrile	2120000	
71-43-2	Benzene	389000	
108-86-1	Bromobenzene	346000	
75-27-4	Bromodichloromethane	388000	
75-25-2	Bromoform	357000	
74-83-9	Bromomethane	478000	
104-51-8	n-Butylbenzene	380000	
135-98-8	sec-Butylbenzene	380000	
98-06-6	tert-Butylbenzene	398000	
75-15-0	Carbon disulfide	426000	
56-23-5	Carbon tetrachloride	396000	
108-90-7	Chlorobenzene	358000	
124-48-1	Dibromochloromethane	382000	
75-00-3	Chloroethane	420000	
110-75-8	2-Chloroethyl vinyl ether	549000	a
67-66-3	Chloroform	380000	
74-87-3	Chloromethane	362000	
95-49-8	2-Chlorotoluene	370000	
106-43-4	4-Chlorotoluene	374000	
74-95-3	Dibromomethane	334000	
95-50-1	1,2-Dichlorobenzene	351000	
541-73-1	1,3-Dichlorobenzene	351000	
106-46-7	1,4-Dichlorobenzene	344000	
110-57-6	trans-1,4-Dichloro-2-butene	347000	
75-71-8	Dichlorodifluoromethane	227000	
75-34-3	1,1-Dichloroethane	435000	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A3 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	689000	
75-35-4	1,1-Dichloroethene	383000	
156-59-2	cis-1,2-Dichloroethene	355000	
156-60-5	trans-1,2-Dichloroethene	351000	
540-59-0	1,2-Dichloroethene (total)	706000	
78-87-5	1,2-Dichloropropane	417000	
142-28-9	1,3-Dichloropropane	382000	
594-20-7	2,2-Dichloropropane	424000	
563-58-6	1,1-Dichloropropene	400000	
10061-01-5	cis-1,3-Dichloropropene	411000	
10061-02-6	trans-1,3-Dichloropropene	424000	
100-41-4	Ethylbenzene	372000	
75-69-4	Trichlorofluoromethane	363000	
87-68-3	Hexachlorobutadiene	367000	
591-78-6	2-Hexanone	394000	
74-88-4	Iodomethane	425000	
98-82-8	Isopropylbenzene	384000	
99-87-6	p-Isopropyltoluene	388000	
79-20-9	Methyl acetate	900000	
108-87-2	Methylcyclohexane	1070000	
75-09-2	Methylene chloride	1400000	a
103-65-1	n-Propylbenzene	370000	
100-42-5	Styrene	400000	
630-20-6	1,1,1,2-Tetrachloroethane	372000	
79-34-5	1,1,2,2-Tetrachloroethane	346000	
127-18-4	Tetrachloroethene	320000	
108-88-3	Toluene	390000	
120-82-1	1,2,4-Trichlorobenzene	362000	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A3 Date Extracted: 06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	571000	
79-00-5	1,1,2-Trichloroethane	358000	
79-01-6	Trichloroethene	434000	
96-18-4	1,2,3-Trichloropropane	406000	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	364000	
95-63-6	1,2,4-Trimethylbenzene	393000	
108-67-8	1,3,5-Trimethylbenzene	395000	
108-05-4	Vinyl acetate	510000	
75-01-4	Vinyl chloride	388000	
1330-20-7	Xylenes (total)	1170000	
71-36-3	n-Butanol	15600000	
96-12-8	1,2-Dibromo-3-chloropropane	305000	
106-93-4	1,2-Dibromoethane (EDB)	364000	
78-93-3	2-Butanone (MEK)	427000	
108-10-1	4-Methyl-2-pentanone (MIBK)	395000	
1634-04-4	Methyl tert-butyl ether (MTB	392000	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
Toluene-d8	111	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	102	(88 - 119)

FORM I

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	629000	p
107-02-8	Acrolein	2710000	
107-13-1	Acrylonitrile	2150000	
71-43-2	Benzene	406000	
108-86-1	Bromobenzene	363000	
75-27-4	Bromodichloromethane	405000	
75-25-2	Bromoform	370000	
74-83-9	Bromomethane	506000	
104-51-8	n-Butylbenzene	387000	
135-98-8	sec-Butylbenzene	391000	
98-06-6	tert-Butylbenzene	412000	
75-15-0	Carbon disulfide	421000	
56-23-5	Carbon tetrachloride	408000	
108-90-7	Chlorobenzene	376000	
124-48-1	Dibromochloromethane	399000	
75-00-3	Chloroethane	438000	
110-75-8	2-Chloroethyl vinyl ether	580000	a
67-66-3	Chloroform	394000	
74-87-3	Chloromethane	377000	
95-49-8	2-Chlorotoluene	386000	
106-43-4	4-Chlorotoluene	384000	
74-95-3	Dibromomethane	345000	
95-50-1	1,2-Dichlorobenzene	362000	
541-73-1	1,3-Dichlorobenzene	367000	
106-46-7	1,4-Dichlorobenzene	357000	
110-57-6	trans-1,4-Dichloro-2-butene	341000	
75-71-8	Dichlorodifluoromethane	225000	
75-34-3	1,1-Dichloroethane	455000	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	724000	
75-35-4	1,1-Dichloroethene	391000	
156-59-2	cis-1,2-Dichloroethene	368000	
156-60-5	trans-1,2-Dichloroethene	355000	
540-59-0	1,2-Dichloroethene (total)	723000	
78-87-5	1,2-Dichloropropane	434000	
142-28-9	1,3-Dichloropropane	398000	
594-20-7	2,2-Dichloropropane	444000	
563-58-6	1,1-Dichloropropene	410000	
10061-01-5	cis-1,3-Dichloropropene	430000	
10061-02-6	trans-1,3-Dichloropropene	444000	
100-41-4	Ethylbenzene	389000	
75-69-4	Trichlorofluoromethane	371000	
87-68-3	Hexachlorobutadiene	360000	
591-78-6	2-Hexanone	411000	
74-88-4	Iodomethane	441000	
98-82-8	Isopropylbenzene	402000	
99-87-6	p-Isopropyltoluene	402000	
79-20-9	Methyl acetate	930000	
108-87-2	Methylcyclohexane	1080000	
75-09-2	Methylene chloride	1500000	
103-65-1	n-Propylbenzene	381000	
100-42-5	Styrene	421000	
630-20-6	1,1,1,2-Tetrachloroethane	394000	
79-34-5	1,1,2,2-Tetrachloroethane	358000	
127-18-4	Tetrachloroethene	332000	
108-88-3	Toluene	410000	
120-82-1	1,2,4-Trichlorobenzene	374000	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	597000	
79-00-5	1,1,2-Trichloroethane	374000	
79-01-6	Trichloroethene	450000	
96-18-4	1,2,3-Trichloropropane	420000	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	362000	
95-63-6	1,2,4-Trimethylbenzene	408000	
108-67-8	1,3,5-Trimethylbenzene	479000	
108-05-4	Vinyl acetate	532000	
75-01-4	Vinyl chloride	398000	
1330-20-7	Xylenes (total)	1230000	
71-36-3	n-Butanol	17200000	
96-12-8	1,2-Dibromo-3-chloropropane	313000	
106-93-4	1,2-Dibromoethane (EDB)	373000	
78-93-3	2-Butanone (MEK)	442000	
108-10-1	4-Methyl-2-pentanone (MIBK)	416000	
1634-04-4	Methyl tert-butyl ether (MTB	407000	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	101	(67 - 130)
Toluene-d8	110	(83 - 115)
4-Bromofluorobenzene	105	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AA Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	5.0	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AA Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AA Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	110	(67 - 130)
Toluene-d8	104	(83 - 115)
4-Bromofluorobenzene	100	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AC Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	26.7	
107-02-8	Acrolein	168	
107-13-1	Acrylonitrile	129	
71-43-2	Benzene	22.4	
108-86-1	Bromobenzene	20.2	
75-27-4	Bromodichloromethane	22.4	
75-25-2	Bromoform	19.6	
74-83-9	Bromomethane	27.9	
104-51-8	n-Butylbenzene	22.3	
135-98-8	sec-Butylbenzene	22.7	
98-06-6	tert-Butylbenzene	24.2	
75-15-0	Carbon disulfide	25.0	
56-23-5	Carbon tetrachloride	23.3	
108-90-7	Chlorobenzene	21.1	
124-48-1	Dibromochloromethane	21.6	
75-00-3	Chloroethane	20.1	
110-75-8	2-Chloroethyl vinyl ether	31.7	a
67-66-3	Chloroform	22.5	
74-87-3	Chloromethane	19.6	
95-49-8	2-Chlorotoluene	22.2	
106-43-4	4-Chlorotoluene	21.9	
74-95-3	Dibromomethane	19.4	
95-50-1	1,2-Dichlorobenzene	20.8	
541-73-1	1,3-Dichlorobenzene	21.0	
106-46-7	1,4-Dichlorobenzene	20.5	
110-57-6	trans-1,4-Dichloro-2-butene	18.7	
75-71-8	Dichlorodifluoromethane	16.8	
75-34-3	1,1-Dichloroethane	24.7	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AC Date Extracted: 06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %: NA

QC Batch: 7169358

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	23.0	
75-35-4	1,1-Dichloroethene	22.2	
156-59-2	cis-1,2-Dichloroethene	20.5	
156-60-5	trans-1,2-Dichloroethene	20.6	
540-59-0	1,2-Dichloroethene (total)	41.1	
78-87-5	1,2-Dichloropropane	23.8	a
142-28-9	1,3-Dichloropropane	22.1	
594-20-7	2,2-Dichloropropane	25.3	
563-58-6	1,1-Dichloropropene	23.4	
10061-01-5	cis-1,3-Dichloropropene	23.9	
10061-02-6	trans-1,3-Dichloropropene	24.7	
100-41-4	Ethylbenzene	21.9	
75-69-4	Trichlorofluoromethane	16.8	
87-68-3	Hexachlorobutadiene	20.7	
591-78-6	2-Hexanone	21.8	
74-88-4	Iodomethane	26.6	
98-82-8	Isopropylbenzene	22.6	
99-87-6	p-Isopropyltoluene	23.2	
79-20-9	Methyl acetate	48.7	
108-87-2	Methylcyclohexane	53.4	
75-09-2	Methylene chloride	22.0	
103-65-1	n-Propylbenzene	21.6	
100-42-5	Styrene	23.2	
630-20-6	1,1,1,2-Tetrachloroethane	21.8	
79-34-5	1,1,2,2-Tetrachloroethane	20.5	
127-18-4	Tetrachloroethene	17.7	
108-88-3	Toluene	22.7	
120-82-1	1,2,4-Trichlorobenzene	20.8	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AC Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	23.5	
79-00-5	1,1,2-Trichloroethane	20.7	
79-01-6	Trichloroethene	20.5	
96-18-4	1,2,3-Trichloropropane	21.4	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	21.5	
95-63-6	1,2,4-Trimethylbenzene	23.6	
108-67-8	1,3,5-Trimethylbenzene	23.5	
108-05-4	Vinyl acetate	29.7	
75-01-4	Vinyl chloride	21.0	
1330-20-7	Xylenes (total)	67.8	
71-36-3	n-Butanol	1220	
96-12-8	1,2-Dibromo-3-chloropropane	16.8	
106-93-4	1,2-Dibromoethane (EDB)	20.7	
78-93-3	2-Butanone (MEK)	25.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	22.9	
1634-04-4	Methyl tert-butyl ether (MTB	22.3	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	103	(75 - 115)
Toluene-d8	110	(90 - 114)
4-Bromofluorobenzene	105	(86 - 117)
Dibromofluoromethane	101	(81 - 110)

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AD Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	30.5	
107-02-8	Acrolein	175	
107-13-1	Acrylonitrile	136	
71-43-2	Benzene	22.1	
108-86-1	Bromobenzene	20.8	
75-27-4	Bromodichloromethane	23.1	
75-25-2	Bromoform	21.1	
74-83-9	Bromomethane	24.7	
104-51-8	n-Butylbenzene	21.1	
135-98-8	sec-Butylbenzene	21.2	
98-06-6	tert-Butylbenzene	22.3	
75-15-0	Carbon disulfide	24.7	
56-23-5	Carbon tetrachloride	22.7	
108-90-7	Chlorobenzene	20.7	
124-48-1	Dibromochloromethane	22.6	
75-00-3	Chloroethane	19.2	
110-75-8	2-Chloroethyl vinyl ether	35.4	a
67-66-3	Chloroform	22.3	
74-87-3	Chloromethane	19.0	
95-49-8	2-Chlorotoluene	21.0	
106-43-4	4-Chlorotoluene	21.0	
74-95-3	Dibromomethane	20.2	
95-50-1	1,2-Dichlorobenzene	20.7	
541-73-1	1,3-Dichlorobenzene	20.4	
106-46-7	1,4-Dichlorobenzene	20.1	
110-57-6	trans-1,4-Dichloro-2-butene	20.2	
75-71-8	Dichlorodifluoromethane	16.2	
75-34-3	1,1-Dichloroethane	24.3	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AD Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	23.7	
75-35-4	1,1-Dichloroethene	21.7	
156-59-2	cis-1,2-Dichloroethene	20.3	
156-60-5	trans-1,2-Dichloroethene	19.8	
540-59-0	1,2-Dichloroethene (total)	40.1	
78-87-5	1,2-Dichloropropane	24.3	a
142-28-9	1,3-Dichloropropane	23.0	
594-20-7	2,2-Dichloropropane	24.4	
563-58-6	1,1-Dichloropropene	22.8	
10061-01-5	cis-1,3-Dichloropropene	24.9	
10061-02-6	trans-1,3-Dichloropropene	25.5	
100-41-4	Ethylbenzene	21.2	
75-69-4	Trichlorofluoromethane	16.2	
87-68-3	Hexachlorobutadiene	20.3	
591-78-6	2-Hexanone	24.9	
74-88-4	Iodomethane	25.0	
98-82-8	Isopropylbenzene	21.7	
99-87-6	p-Isopropyltoluene	21.6	
79-20-9	Methyl acetate	52.3	
108-87-2	Methylcyclohexane	51.5	
75-09-2	Methylene chloride	22.1	
103-65-1	n-Propylbenzene	21.0	
100-42-5	Styrene	23.5	
630-20-6	1,1,1,2-Tetrachloroethane	22.1	
79-34-5	1,1,2,2-Tetrachloroethane	22.4	
127-18-4	Tetrachloroethene	16.9	
108-88-3	Toluene	21.9	
120-82-1	1,2,4-Trichlorobenzene	22.1	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F180000 358
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/07/07
Work Order: J08XN1AD Date Extracted:06/15/07
Dilution factor: 1 Date Analyzed: 06/15/07
Moisture %:NA

QC Batch: 7169358

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	22.9	
79-00-5	1,1,2-Trichloroethane	21.9	
79-01-6	Trichloroethene	20.1	
96-18-4	1,2,3-Trichloropropane	22.1	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	20.9	
95-63-6	1,2,4-Trimethylbenzene	22.4	
108-67-8	1,3,5-Trimethylbenzene	22.2	
108-05-4	Vinyl acetate	31.7	a
75-01-4	Vinyl chloride	18.4	
1330-20-7	Xylenes (total)	66.2	
71-36-3	n-Butanol	1530	a p
96-12-8	1,2-Dibromo-3-chloropropane	18.4	
106-93-4	1,2-Dibromoethane (EDB)	22.0	
78-93-3	2-Butanone (MEK)	28.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	25.5	
1634-04-4	Methyl tert-butyl ether (MTB	24.6	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	109	(75 - 115)
Toluene-d8	111	(90 - 114)
4-Bromofluorobenzene	107	(86 - 117)
Dibromofluoromethane	103	(81 - 110)

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F050254

Extraction: XXIC6QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	OMW27B	112	107	115	100	00
02	TRIP BLANK	99	109	106	98	00
03	OMW21	119	107	114	101	00
04	TRIP BLANK	103	108	109	99	00
05	INTRA-LAB QC	109	108	109	99	00
06	METHOD BLK. J033D1AA	107	108	107	100	00
07	METHOD BLK. J08XN1AA	110	104	100	99	00
08	LCS J033D1AC	106	111	106	102	00
09	LCS J08XN1AC	103	110	105	101	00
10	LAB MS/MSD D	101	110	105	100	00
11	LCSD J033D1AD	102	110	105	100	00
12	LCSD J08XN1AD	109	111	107	103	00
13	LAB MS/MSD S	104	111	107	102	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(67-130)
SRG02	= Toluene-d8	(83-115)
SRG03	= 4-Bromofluorobenzene	(79-119)
SRG04	= Dibromofluoromethane	(88-119)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Benzene	400000	8600	389000	95	70 - 118	
Chlorobenzene	400000	ND	358000	90	65 - 120	
1,1-Dichloroethene	400000	10000	383000	93	71 - 125	
Toluene	400000	ND	390000	97	76 - 120	
Trichloroethene	400000	75000	434000	90	64 - 120	
Acetone	400000	60000	490000	108	35 - 161	
Bromobenzene	400000	ND	346000	86	63 - 126	
Bromodichloromethane	400000	ND	388000	97	53 - 147	
Bromoform	400000	ND	357000	89	33 - 151	
Bromomethane	400000	ND	478000	119	38 - 163	
2-Butanone (MEK)	400000	ND	427000	107	28 - 177	
n-Butylbenzene	400000	ND	380000	95	55 - 156	
sec-Butylbenzene	400000	ND	380000	95	57 - 153	
tert-Butylbenzene	400000	ND	398000	100	65 - 139	
Carbon disulfide	400000	ND	426000	107	64 - 128	
Carbon tetrachloride	400000	25000	396000	93	55 - 139	
Chloroethane	400000	ND	420000	105	62 - 130	
2-Chloroethyl vinyl ether	400000	ND	549000	137*	10 - 122	a
Chloroform	400000	ND	380000	95	69 - 128	
Chloromethane	400000	ND	362000	90	57 - 148	
2-Chlorotoluene	400000	ND	370000	93	66 - 134	
4-Chlorotoluene	400000	ND	374000	93	62 - 140	
Dibromochloromethane	400000	ND	382000	96	55 - 128	
1,2-Dibromo-3-chloropropa	400000	ND	305000	76	51 - 133	
1,2-Dibromoethane (EDB)	400000	ND	364000	91	67 - 122	
Dibromomethane	400000	ND	334000	83	64 - 124	
1,2-Dichlorobenzene	400000	ND	351000	88	65 - 122	
1,3-Dichlorobenzene	400000	ND	351000	88	69 - 120	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,4-Dichlorobenzene	400000	ND	344000	86	69 - 123	
Dichlorodifluoromethane	400000	ND	227000	57	30 - 140	
1,1-Dichloroethane	400000	20000	435000	104	75 - 126	
1,2-Dichloroethane	400000	370000	689000	80	59 - 138	
cis-1,2-Dichloroethene	400000	ND	355000	87	71 - 122	
trans-1,2-Dichloroethene	400000	ND	351000	88	75 - 129	
1,2-Dichloropropane	400000	9600	417000	102	74 - 118	
1,3-Dichloropropane	400000	ND	382000	95	67 - 122	
2,2-Dichloropropane	400000	ND	424000	106	71 - 151	
1,1-Dichloropropene	400000	ND	400000	100	74 - 127	
cis-1,3-Dichloropropene	400000	ND	411000	103	58 - 137	
trans-1,3-Dichloropropene	400000	ND	424000	106	42 - 185	
Ethylbenzene	400000	ND	372000	93	72 - 121	
Hexachlorobutadiene	400000	ND	367000	92	71 - 135	
2-Hexanone	400000	ND	394000	99	34 - 184	
Iodomethane	400000	ND	425000	106	36 - 159	
Isopropylbenzene	400000	ND	384000	96	69 - 124	
p-Isopropyltoluene	400000	ND	388000	97	63 - 140	
4-Methyl-2-pentanone (MIB	400000	ND	395000	99	38 - 171	
Methylene chloride	400000	1200000	1400000	60*	66 - 116	a
n-Propylbenzene	400000	ND	370000	93	57 - 142	
Styrene	400000	ND	400000	100	69 - 120	
1,1,1,2-Tetrachloroethane	400000	ND	372000	93	58 - 128	
1,1,2,2-Tetrachloroethane	400000	ND	346000	87	54 - 129	
Tetrachloroethene	400000	9600	320000	78	50 - 131	
1,2,4-Trichlorobenzene	400000	ND	362000	91	54 - 144	
1,1,1-Trichloroethane	400000	170000	571000	100	66 - 131	
1,1,2-Trichloroethane	400000	ND	358000	90	62 - 127	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2,3-Trichloropropane	400000	56000	406000	87	61 - 133	
Trichlorofluoromethane	400000	ND	363000	91	60 - 129	
1,2,4-Trimethylbenzene	400000	ND	393000	98	58 - 152	
1,3,5-Trimethylbenzene	400000	ND	395000	99	59 - 151	
Vinyl acetate	400000	ND	510000	127	59 - 153	
Vinyl chloride	400000	ND	388000	97	66 - 127	
Xylenes (total)	1200000	ND	1170000	97	72 - 121	
Acrolein	2000000	ND	2650000	132	19 - 217	
Acrylonitrile	2000000	ND	2120000	106	55 - 163	
trans-1,4-Dichloro-2-bute	400000	ND	347000	87	37 - 186	
1,2-Dichloroethene (total	800000	ND	706000	88	74 - 125	
Methyl tert-butyl ether (	400000	ND	392000	98	57 - 144	
Methylcyclohexane	1000000	ND	1070000	107	70 - 130	
1,1,2-Trichloro-1,2,2-tri	400000	ND	364000	91	65 - 153	
n-Butanol	20000000	ND	15600000	78	70 - 130	
Methyl acetate	1000000	ND	900000	90	70 - 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Benzene	400000	406000	99	4.4	20	70- 118	
Chlorobenzene	400000	376000	94	4.9	20	65- 120	
1,1-Dichloroethene	400000	391000	95	2.2	20	71- 125	
Toluene	400000	410000	102	5.0	20	76- 120	
Trichloroethene	400000	450000	94	3.5	20	64- 120	
Acetone	400000	629000	142	25 *	20	35- 161	p
Bromobenzene	400000	363000	91	4.8	20	63- 126	
Bromodichloromethane	400000	405000	101	4.4	20	53- 147	
Bromoform	400000	370000	92	3.4	20	33- 151	
Bromomethane	400000	506000	127	5.7	20	38- 163	
2-Butanone (MEK)	400000	442000	111	3.4	20	28- 177	
n-Butylbenzene	400000	387000	97	2.0	20	55- 156	
sec-Butylbenzene	400000	391000	98	2.7	20	57- 153	
tert-Butylbenzene	400000	412000	103	3.4	20	65- 139	
Carbon disulfide	400000	421000	105	1.1	20	64- 128	
Carbon tetrachloride	400000	408000	96	2.9	20	55- 139	
Chloroethane	400000	438000	109	4.1	20	62- 130	
2-Chloroethyl vinyl ether	400000	580000	145*	5.4	20	10- 122	a
Chloroform	400000	394000	99	3.6	20	69- 128	
Chloromethane	400000	377000	94	4.1	20	57- 148	
2-Chlorotoluene	400000	386000	96	4.1	20	66- 134	
4-Chlorotoluene	400000	384000	96	2.8	20	62- 140	
Dibromochloromethane	400000	399000	100	4.2	20	55- 128	
1,2-Dibromo-3-chloropropa	400000	313000	78	2.8	40	51- 133	
1,2-Dibromoethane (EDB)	400000	373000	93	2.6	20	67- 122	
Dibromomethane	400000	345000	86	3.3	20	64- 124	
1,2-Dichlorobenzene	400000	362000	91	3.2	20	65- 122	
1,3-Dichlorobenzene	400000	367000	92	4.4	20	69- 120	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,4-Dichlorobenzene	400000	357000	89	3.6	20	69 - 123	
Dichlorodifluoromethane	400000	225000	56	0.73	20	30 - 140	
1,1-Dichloroethane	400000	455000	109	4.5	20	75 - 126	
1,2-Dichloroethane	400000	724000	88	4.9	20	59 - 138	
cis-1,2-Dichloroethene	400000	368000	91	3.5	20	71 - 122	
trans-1,2-Dichloroethene	400000	355000	89	1.1	20	75 - 129	
1,2-Dichloropropane	400000	434000	106	4.0	20	74 - 118	
1,3-Dichloropropane	400000	398000	100	4.3	20	67 - 122	
2,2-Dichloropropane	400000	444000	111	4.7	20	71 - 151	
1,1-Dichloropropene	400000	410000	102	2.5	20	74 - 127	
cis-1,3-Dichloropropene	400000	430000	108	4.6	20	58 - 137	
trans-1,3-Dichloropropene	400000	444000	111	4.7	20	42 - 185	
Ethylbenzene	400000	389000	97	4.7	20	72 - 121	
Hexachlorobutadiene	400000	360000	90	1.8	20	71 - 135	
2-Hexanone	400000	411000	103	4.3	20	34 - 184	
Iodomethane	400000	441000	110	3.8	20	36 - 159	
Isopropylbenzene	400000	402000	100	4.4	40	69 - 124	
p-Isopropyltoluene	400000	402000	100	3.4	20	63 - 140	
4-Methyl-2-pentanone (MIB	400000	416000	104	5.4	20	38 - 171	
Methylene chloride	400000	1500000	84	6.6	20	66 - 116	
n-Propylbenzene	400000	381000	95	2.8	20	57 - 142	
Styrene	400000	421000	105	5.1	20	69 - 120	
1,1,1,2-Tetrachloroethane	400000	394000	98	5.7	40	58 - 128	
1,1,2,2-Tetrachloroethane	400000	358000	89	3.2	20	54 - 129	
Tetrachloroethene	400000	332000	80	3.4	20	50 - 131	
1,2,4-Trichlorobenzene	400000	374000	94	3.3	20	54 - 144	
1,1,1-Trichloroethane	400000	597000	106	4.6	20	66 - 131	
1,1,2-Trichloroethane	400000	374000	93	4.2	20	62 - 127	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,2,3-Trichloropropane	400000	420000	91	3.5	20	61 - 133	
Trichlorofluoromethane	400000	371000	93	2.1	20	60 - 129	
1,2,4-Trimethylbenzene	400000	408000	102	3.8	20	58 - 152	
1,3,5-Trimethylbenzene	400000	479000	120	19	20	59 - 151	
Vinyl acetate	400000	532000	133	4.2	20	59 - 153	
Vinyl chloride	400000	398000	99	2.4	20	66 - 127	
Xylenes (total)	1200000	1230000	101	4.6	20	72 - 121	
Acrolein	2000000	2710000	136	2.3	20	19 - 217	
Acrylonitrile	2000000	2150000	107	1.4	20	55 - 163	
trans-1,4-Dichloro-2-bute	400000	341000	85	1.8	20	37 - 186	
1,2-Dichloroethene (total	800000	723000	90	2.3	20	74 - 125	
Methyl tert-butyl ether (	400000	407000	102	3.7	20	57 - 144	
Methylcyclohexane	1000000	1080000	108	0.50	20	70 - 130	
1,1,2-Trichloro-1,2,2-tri	400000	362000	90	0.54	20	65 - 153	
n-Butanol	20000000	17200000	86	9.9	20	70 - 130	
Methyl acetate	1000000	930000	93	3.2	20	70 - 130	

NOTES (S):

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 72 outside limits
Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzene	20.0	18.5	93	70 - 118	
Chlorobenzene	20.0	17.3	87	65 - 120	
1,1-Dichloroethene	20.0	17.8	89	71 - 125	
Toluene	20.0	18.8	94	76 - 120	
Trichloroethene	20.0	17.2	86	64 - 120	
Acetone	20.0	23.5	117	35 - 161	
Bromobenzene	20.0	16.9	84	63 - 126	
Bromodichloromethane	20.0	18.9	95	53 - 147	
Bromoform	20.0	17.3	87	33 - 151	
Bromomethane	20.0	22.9	115	38 - 163	
2-Butanone (MEK)	20.0	20.4	102	28 - 177	
n-Butylbenzene	20.0	18.0	90	55 - 156	
sec-Butylbenzene	20.0	18.4	92	57 - 153	
tert-Butylbenzene	20.0	19.3	96	65 - 139	
Carbon disulfide	20.0	21.0	105	64 - 128	
Carbon tetrachloride	20.0	19.1	95	55 - 139	
Chloroethane	20.0	20.7	103	62 - 130	
2-Chloroethyl vinyl ether	20.0	25.9	130*	10 - 122	a
Chloroform	20.0	18.6	93	69 - 128	
Chloromethane	20.0	18.3	91	57 - 148	
2-Chlorotoluene	20.0	18.2	91	66 - 134	
4-Chlorotoluene	20.0	18.1	90	62 - 140	
Dibromochloromethane	20.0	18.4	92	55 - 128	
1,2-Dibromo-3-chloropropa	20.0	15.1	76	51 - 133	
1,2-Dibromoethane (EDB)	20.0	17.5	87	67 - 122	
Dibromomethane	20.0	16.3	82	64 - 124	
1,2-Dichlorobenzene	20.0	17.0	85	65 - 122	
1,3-Dichlorobenzene	20.0	17.3	87	69 - 120	
1,4-Dichlorobenzene	20.0	16.8	84	69 - 123	
Dichlorodifluoromethane	20.0	12.2	61	30 - 140	
1,1-Dichloroethane	20.0	20.3	102	75 - 126	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethane	20.0	19.3	96	59- 138	
cis-1,2-Dichloroethene	20.0	16.8	84	71- 122	
trans-1,2-Dichloroethene	20.0	16.9	84	75- 129	
1,2-Dichloropropane	20.0	19.7	98	74- 118	
1,3-Dichloropropane	20.0	18.5	93	67- 122	
2,2-Dichloropropane	20.0	20.3	101	71- 151	
1,1-Dichloropropene	20.0	19.3	96	74- 127	
cis-1,3-Dichloropropene	20.0	19.9	99	58- 137	
trans-1,3-Dichloropropene	20.0	20.3	102	42- 185	
Ethylbenzene	20.0	18.0	90	72- 121	
Hexachlorobutadiene	20.0	17.6	88	71- 135	
2-Hexanone	20.0	18.5	93	34- 184	
Iodomethane	20.0	21.0	105	36- 159	
Isopropylbenzene	20.0	18.5	92	69- 124	
p-Isopropyltoluene	20.0	18.9	95	63- 140	
4-Methyl-2-pentanone (MIB	20.0	19.1	96	38- 171	
Methylene chloride	20.0	18.1	90	66- 116	
n-Propylbenzene	20.0	17.9	89	57- 142	
Styrene	20.0	19.4	97	69- 120	
1,1,1,2-Tetrachloroethane	20.0	18.0	90	58- 128	
1,1,2,2-Tetrachloroethane	20.0	17.0	85	54- 129	
Tetrachloroethene	20.0	14.8	74	50- 131	
1,2,4-Trichlorobenzene	20.0	17.6	88	54- 144	
1,1,1-Trichloroethane	20.0	19.3	96	66- 131	
1,1,2-Trichloroethane	20.0	17.4	87	62- 127	
1,2,3-Trichloropropane	20.0	17.4	87	61- 133	
Trichlorofluoromethane	20.0	17.9	89	60- 129	
1,2,4-Trimethylbenzene	20.0	19.3	96	58- 152	
1,3,5-Trimethylbenzene	20.0	22.6	113	59- 151	
Vinyl acetate	20.0	24.5	122	59- 153	
Vinyl chloride	20.0	19.6	98	66- 127	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	60.0	56.8	95	72- 121	
Acrolein	100	131	131	19- 217	
Acrylonitrile	100	104	104	55- 163	
trans-1,4-Dichloro-2-bute	20.0	15.2	76	37- 186	
1,2-Dichloroethene (total	40.0	33.7	84	74- 125	
Methyl tert-butyl ether (	20.0	18.8	94	57- 144	
Methyl acetate	50.0	43.1	86	49- 287	
Methylcyclohexane	50.0	49.3	99	70- 130	
1,1,2-Trichloro-1,2,2-tri	20.0	17.4	87	65- 153	
n-Butanol	1000	718	72	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AC
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Tetrachloroethene	20.0	17.7	89	50 - 131	
1,2,4-Trichlorobenzene	20.0	20.8	104	54 - 144	
1,1,1-Trichloroethane	20.0	23.5	118	66 - 131	
1,1,2-Trichloroethane	20.0	20.7	103	62 - 127	
1,2,3-Trichloropropane	20.0	21.4	107	61 - 133	
Trichlorofluoromethane	20.0	16.8	84	60 - 129	
1,2,4-Trimethylbenzene	20.0	23.6	118	58 - 152	
1,3,5-Trimethylbenzene	20.0	23.5	118	59 - 151	
Vinyl acetate	20.0	29.7	148	59 - 153	
Vinyl chloride	20.0	21.0	105	66 - 127	
Xylenes (total)	60.0	67.8	113	72 - 121	
Acrolein	100	168	168	19 - 217	
Acrylonitrile	100	129	129	55 - 163	
trans-1,4-Dichloro-2-bute	20.0	18.7	94	37 - 186	
1,2-Dichloroethene (total	40.0	41.1	103	74 - 125	
Methyl tert-butyl ether (	20.0	22.3	112	57 - 144	
Methyl acetate	50.0	48.7	97	49 - 287	
Methylcyclohexane	50.0	53.4	107	70 - 130	
1,1,2-Trichloro-1,2,2-tri	20.0	21.5	108	65 - 153	
n-Butanol	1000	1220	122	70 - 130	
Benzene	20.0	22.4	112	70 - 118	
Chlorobenzene	20.0	21.1	106	65 - 120	
1,1-Dichloroethene	20.0	22.2	111	71 - 125	
Toluene	20.0	22.7	114	76 - 120	
Trichloroethene	20.0	20.5	102	64 - 120	
Acetone	20.0	26.7	134	35 - 161	
Bromobenzene	20.0	20.2	101	63 - 126	
Bromodichloromethane	20.0	22.4	112	53 - 147	
Bromoform	20.0	19.6	98	33 - 151	
Bromomethane	20.0	27.9	139	38 - 163	
2-Butanone (MEK)	20.0	25.5	127	28 - 177	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AC
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
n-Butylbenzene	20.0	22.3	111	55- 156	
sec-Butylbenzene	20.0	22.7	113	57- 153	
tert-Butylbenzene	20.0	24.2	121	65- 139	
Carbon disulfide	20.0	25.0	125	64- 128	
Carbon tetrachloride	20.0	23.3	117	55- 139	
Chloroethane	20.0	20.1	101	62- 130	
2-Chloroethyl vinyl ether	20.0	31.7	159*	10- 122	a
Chloroform	20.0	22.5	112	69- 128	
Chloromethane	20.0	19.6	98	57- 148	
2-Chlorotoluene	20.0	22.2	111	66- 134	
4-Chlorotoluene	20.0	21.9	110	62- 140	
Dibromochloromethane	20.0	21.6	108	55- 128	
1,2-Dibromo-3-chloropropa	20.0	16.8	84	51- 133	
1,2-Dibromoethane (EDB)	20.0	20.7	103	67- 122	
Dibromomethane	20.0	19.4	97	64- 124	
1,2-Dichlorobenzene	20.0	20.8	104	65- 122	
1,3-Dichlorobenzene	20.0	21.0	105	69- 120	
1,4-Dichlorobenzene	20.0	20.5	103	69- 123	
Dichlorodifluoromethane	20.0	16.8	84	30- 140	
1,1-Dichloroethane	20.0	24.7	124	75- 126	
1,2-Dichloroethane	20.0	23.0	115	59- 138	
cis-1,2-Dichloroethene	20.0	20.5	103	71- 122	
trans-1,2-Dichloroethene	20.0	20.6	103	75- 129	
1,2-Dichloropropane	20.0	23.8	119*	74- 118	a
1,3-Dichloropropane	20.0	22.1	111	67- 122	
2,2-Dichloropropane	20.0	25.3	126	71- 151	
1,1-Dichloropropene	20.0	23.4	117	74- 127	
cis-1,3-Dichloropropene	20.0	23.9	120	58- 137	
trans-1,3-Dichloropropene	20.0	24.7	124	42- 185	
Ethylbenzene	20.0	21.9	110	72- 121	
Hexachlorobutadiene	20.0	20.7	103	71- 135	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AC
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
2-Hexanone	20.0	21.8	109	34 - 184	
Iodomethane	20.0	26.6	133	36 - 159	
Isopropylbenzene	20.0	22.6	113	69 - 124	
p-Isopropyltoluene	20.0	23.2	116	63 - 140	
4-Methyl-2-pentanone (MIB	20.0	22.9	114	38 - 171	
Methylene chloride	20.0	22.0	110	66 - 116	
n-Propylbenzene	20.0	21.6	108	57 - 142	
Styrene	20.0	23.2	116	69 - 120	
1,1,1,2-Tetrachloroethane	20.0	21.8	109	58 - 128	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	54 - 129	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 2 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzene	20.0	20.1	100	70- 118	
Chlorobenzene	20.0	18.7	93	65- 120	
1,1-Dichloroethene	20.0	19.3	97	71- 125	
Toluene	20.0	20.3	101	76- 120	
Trichloroethene	20.0	18.4	92	64- 120	
Acetone	20.0	25.6	128	35- 161	
Bromobenzene	20.0	17.9	90	63- 126	
Bromodichloromethane	20.0	20.4	102	53- 147	
Bromoform	20.0	18.7	93	33- 151	
Bromomethane	20.0	25.1	126	38- 163	
2-Butanone (MEK)	20.0	21.8	109	28- 177	
n-Butylbenzene	20.0	19.2	96	55- 156	
sec-Butylbenzene	20.0	19.5	97	57- 153	
tert-Butylbenzene	20.0	20.7	103	65- 139	
Carbon disulfide	20.0	21.4	107	64- 128	
Carbon tetrachloride	20.0	20.6	103	55- 139	
Chloroethane	20.0	22.1	110	62- 130	
2-Chloroethyl vinyl ether	20.0	28.2	141*	10- 122	a
Chloroform	20.0	20.1	100	69- 128	
Chloromethane	20.0	19.6	98	57- 148	
2-Chlorotoluene	20.0	19.5	97	66- 134	
4-Chlorotoluene	20.0	19.2	96	62- 140	
Dibromochloromethane	20.0	19.9	100	55- 128	
1,2-Dibromo-3-chloropropa	20.0	16.0	80	51- 133	
1,2-Dibromoethane (EDB)	20.0	18.6	93	67- 122	
Dibromomethane	20.0	17.2	86	64- 124	
1,2-Dichlorobenzene	20.0	18.3	91	65- 122	
1,3-Dichlorobenzene	20.0	18.2	91	69- 120	
1,4-Dichlorobenzene	20.0	17.8	89	69- 123	
Dichlorodifluoromethane	20.0	12.5	62	30- 140	
1,1-Dichloroethane	20.0	21.9	110	75- 126	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethane	20.0	20.2	101	59- 138	
cis-1,2-Dichloroethene	20.0	18.1	91	71- 122	
trans-1,2-Dichloroethene	20.0	18.0	90	75- 129	
1,2-Dichloropropane	20.0	21.4	107	74- 118	
1,3-Dichloropropane	20.0	19.9	100	67- 122	
2,2-Dichloropropane	20.0	22.0	110	71- 151	
1,1-Dichloropropene	20.0	20.5	103	74- 127	
cis-1,3-Dichloropropene	20.0	21.5	107	58- 137	
trans-1,3-Dichloropropene	20.0	22.1	110	42- 185	
Ethylbenzene	20.0	19.3	97	72- 121	
Hexachlorobutadiene	20.0	18.0	90	71- 135	
2-Hexanone	20.0	20.1	100	34- 184	
Iodomethane	20.0	22.6	113	36- 159	
Isopropylbenzene	20.0	19.8	99	69- 124	
p-Isopropyltoluene	20.0	19.9	100	63- 140	
4-Methyl-2-pentanone (MIB	20.0	20.9	104	38- 171	
Methylene chloride	20.0	19.3	96	66- 116	
n-Propylbenzene	20.0	18.9	94	57- 142	
Styrene	20.0	20.9	104	69- 120	
1,1,1,2-Tetrachloroethane	20.0	19.5	98	58- 128	
1,1,2,2-Tetrachloroethane	20.0	18.0	90	54- 129	
Tetrachloroethene	20.0	15.7	78	50- 131	
1,2,4-Trichlorobenzene	20.0	18.8	94	54- 144	
1,1,1-Trichloroethane	20.0	20.9	104	66- 131	
1,1,2-Trichloroethane	20.0	18.5	93	62- 127	
1,2,3-Trichloropropane	20.0	18.1	91	61- 133	
Trichlorofluoromethane	20.0	18.8	94	60- 129	
1,2,4-Trimethylbenzene	20.0	20.5	102	58- 152	
1,3,5-Trimethylbenzene	20.0	20.5	103	59- 151	
Vinyl acetate	20.0	26.4	132	59- 153	
Vinyl chloride	20.0	20.5	103	66- 127	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	60.0	60.9	101	72- 121	
Acrolein	100	135	135	19- 217	
Acrylonitrile	100	110	110	55- 163	
trans-1,4-Dichloro-2-bute	20.0	16.9	85	37- 186	
1,2-Dichloroethene (total	40.0	36.1	90	74- 125	
Methyl tert-butyl ether (	20.0	20.4	102	57- 144	
Methyl acetate	50.0	45.8	92	49- 287	
Methylcyclohexane	50.0	51.0	102	70- 130	
1,1,2-Trichloro-1,2,2-tri	20.0	18.1	91	65- 153	
n-Butanol	1000	823	82	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AD
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzene	20.0	22.1	111	70- 118	
Chlorobenzene	20.0	20.7	103	65- 120	
1,1-Dichloroethene	20.0	21.7	109	71- 125	
Toluene	20.0	21.9	110	76- 120	
Trichloroethene	20.0	20.1	100	64- 120	
Acetone	20.0	30.5	153	35- 161	
Bromobenzene	20.0	20.8	104	63- 126	
Bromodichloromethane	20.0	23.1	115	53- 147	
Bromoform	20.0	21.1	106	33- 151	
Bromomethane	20.0	24.7	124	38- 163	
2-Butanone (MEK)	20.0	28.4	142	28- 177	
n-Butylbenzene	20.0	21.1	105	55- 156	
sec-Butylbenzene	20.0	21.2	106	57- 153	
tert-Butylbenzene	20.0	22.3	111	65- 139	
Carbon disulfide	20.0	24.7	124	64- 128	
Carbon tetrachloride	20.0	22.7	114	55- 139	
Chloroethane	20.0	19.2	96	62- 130	
2-Chloroethyl vinyl ether	20.0	35.4	177*	10- 122	a
Chloroform	20.0	22.3	112	69- 128	
Chloromethane	20.0	19.0	95	57- 148	
2-Chlorotoluene	20.0	21.0	105	66- 134	
4-Chlorotoluene	20.0	21.0	105	62- 140	
Dibromochloromethane	20.0	22.6	113	55- 128	
1,2-Dibromo-3-chloropropa	20.0	18.4	92	51- 133	
1,2-Dibromoethane (EDB)	20.0	22.0	110	67- 122	
Dibromomethane	20.0	20.2	101	64- 124	
1,2-Dichlorobenzene	20.0	20.7	104	65- 122	
1,3-Dichlorobenzene	20.0	20.4	102	69- 120	
1,4-Dichlorobenzene	20.0	20.1	100	69- 123	
Dichlorodifluoromethane	20.0	16.2	81	30- 140	
1,1-Dichloroethane	20.0	24.3	122	75- 126	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AD
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethane	20.0	23.7	118	59- 138	
cis-1,2-Dichloroethene	20.0	20.3	102	71- 122	
trans-1,2-Dichloroethene	20.0	19.8	99	75- 129	
1,2-Dichloropropane	20.0	24.3	121*	74- 118	a
1,3-Dichloropropane	20.0	23.0	115	67- 122	
2,2-Dichloropropane	20.0	24.4	122	71- 151	
1,1-Dichloropropene	20.0	22.8	114	74- 127	
cis-1,3-Dichloropropene	20.0	24.9	125	58- 137	
trans-1,3-Dichloropropene	20.0	25.5	127	42- 185	
n-Propylbenzene	20.0	21.0	105	57- 142	
Acrolein	100	175	175	19- 217	
Acrylonitrile	100	136	136	55- 163	
trans-1,4-Dichloro-2-bute	20.0	20.2	101	37- 186	
1,2-Dichloroethene (total	40.0	40.1	100	74- 125	
Methyl tert-butyl ether (	20.0	24.6	123	57- 144	
Methyl acetate	50.0	52.3	105	49- 287	
Methylcyclohexane	50.0	51.5	103	70- 130	
Styrene	20.0	23.5	117	69- 120	
1,1,1,2-Tetrachloroethane	20.0	22.1	110	58- 128	
1,1,2,2-Tetrachloroethane	20.0	22.4	112	54- 129	
Tetrachloroethene	20.0	16.9	85	50- 131	
1,2,4-Trichlorobenzene	20.0	22.1	111	54- 144	
1,1,1-Trichloroethane	20.0	22.9	115	66- 131	
1,1,2-Trichloroethane	20.0	21.9	109	62- 127	
1,2,3-Trichloropropane	20.0	22.1	110	61- 133	
Trichlorofluoromethane	20.0	16.2	81	60- 129	
1,2,4-Trimethylbenzene	20.0	22.4	112	58- 152	
1,3,5-Trimethylbenzene	20.0	22.2	111	59- 151	
Vinyl acetate	20.0	31.7	158*	59- 153	a
Vinyl chloride	20.0	18.4	92	66- 127	
Xylenes (total)	60.0	66.2	110	72- 121	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F180000 WO #: J08XN1AD
BATCH: 7169358

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
n-Butanol	1000	1530	153*	70 - 130	a p
Ethylbenzene	20.0	21.2	106	72 - 121	
Hexachlorobutadiene	20.0	20.3	101	71 - 135	
2-Hexanone	20.0	24.9	125	34 - 184	
Iodomethane	20.0	25.0	125	36 - 159	
Isopropylbenzene	20.0	21.7	109	69 - 124	
p-Isopropyltoluene	20.0	21.6	108	63 - 140	
4-Methyl-2-pentanone (MIB	20.0	25.5	127	38 - 171	
Methylene chloride	20.0	22.1	110	66 - 116	
1,1,2-Trichloro-1,2,2-tri	20.0	20.9	104	65 - 153	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits

p Relative percent difference (RPD) is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 4 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.
J033D1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: I614713.D

Lot Number: I7F050254

Date Analyzed: 06/14/07

Time Analyzed: 18:08

Matrix: WATER

Date Extracted:06/14/07

GC Column: RTX-502.2 ID: .25

Extraction Method: 5030B/8260B

Instrument ID: I1

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OMW27B	J0A4E1A2	I614718.D	06/14/07	20:13
02	TRIP BLANK	J0A471AA	I614715.D	06/14/07	18:58
03	TRIP BLANK	J0A5D1AA	I614716.D	06/14/07	19:23
04	INTRA-LAB QC	J0DTN1AD	I614719.D	06/14/07	20:38
05	LAB MS/MSD	J0DTN1A3 S	I614709.D	06/14/07	16:28
06	LAB MS/MSD	J0DTN1A4 D	I614710.D	06/14/07	16:53
07	CHECK SAMPLE	J033D1AC C	I614707.D	06/14/07	14:35
08	DUPLICATE CHECK	J033D1AD L	I614708.D	06/14/07	15:00
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.
J08XN1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: I615709.D

Lot Number: I7F050254

Date Analyzed: 06/15/07

Time Analyzed: 17:32

Matrix: WATER

Date Extracted: 06/15/07

GC Column: RTX-502.2 ID: .25

Extraction Method: 5030B/8260B

Instrument ID: I1

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OMW21	J0A5A1A2	I615711.D	06/15/07	18:22
02	CHECK SAMPLE	J08XN1AC C	I615702.D	06/15/07	10:40
03	DUPLICATE CHECK	J08XN1AD L	I615703.D	06/15/07	11:08
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

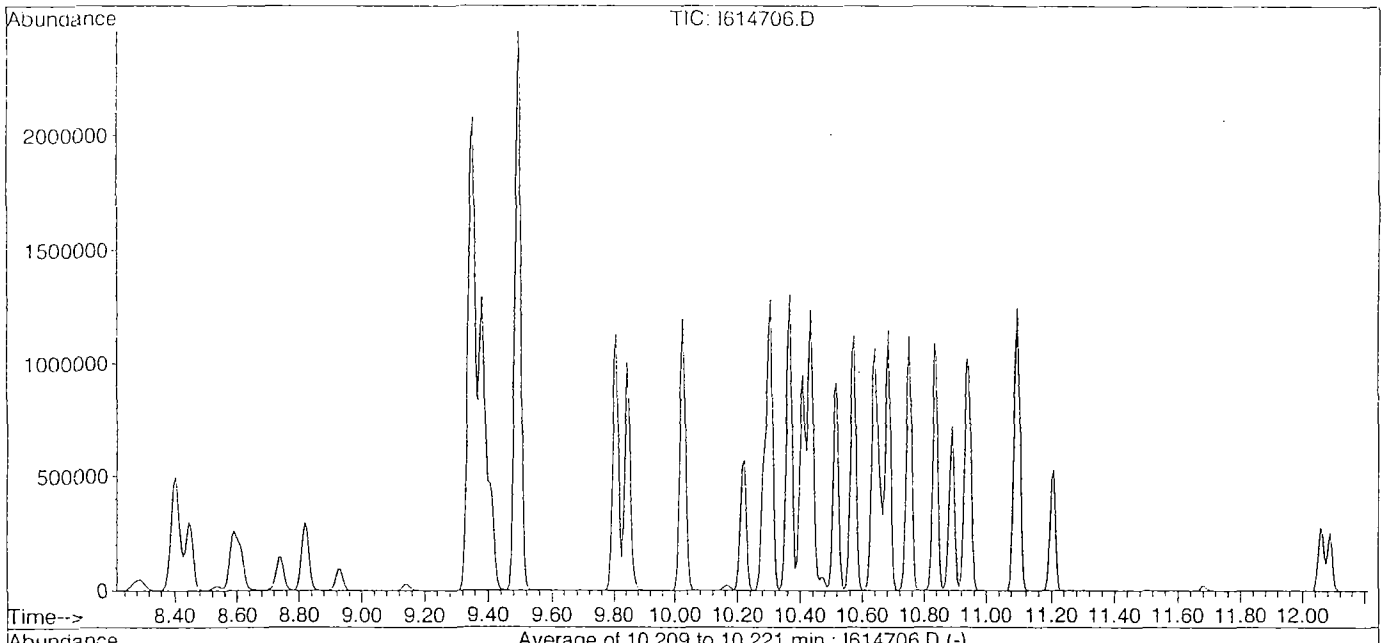
Method: 8260B

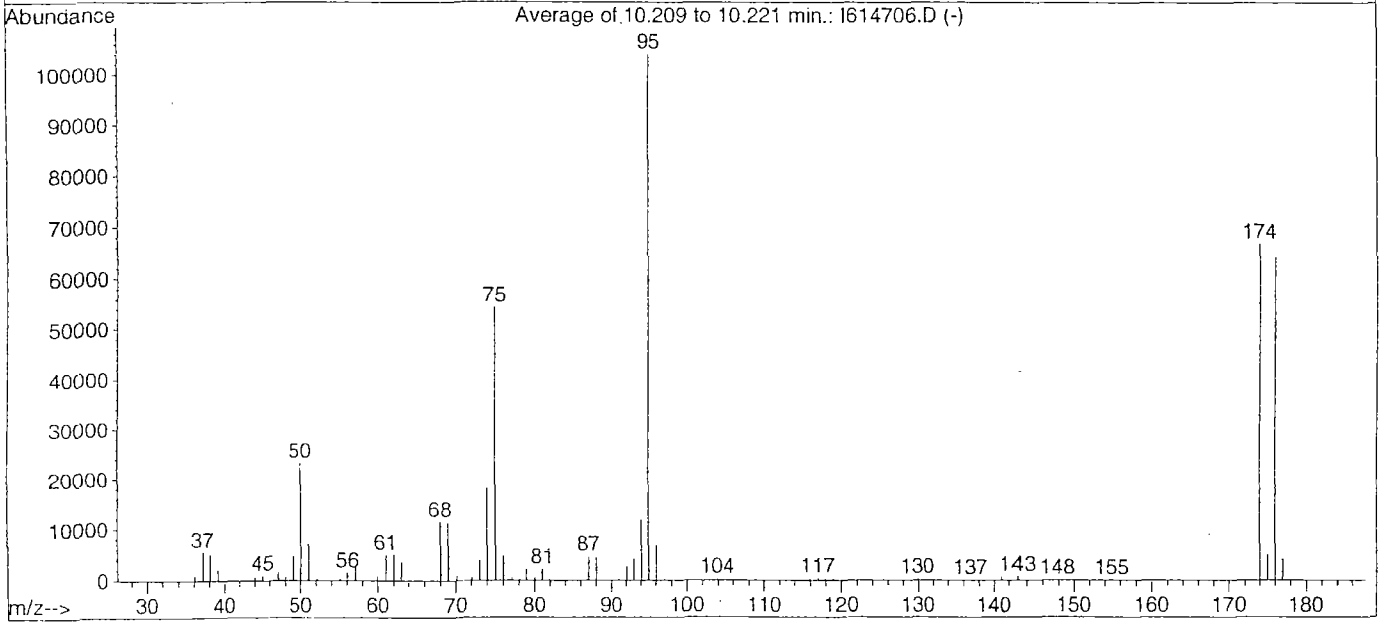
Associated Samples: 1-2, 4

Batch Number: 7166158

BFB

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water





AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	23296	PASS
75	95	30	60	52.3	54498	PASS
95	95	100	100	100.0	104203	PASS
96	95	5	9	6.6	6868	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.2	66928	PASS
175	174	5	9	7.5	5031	PASS
176	174	95	101	96.1	64304	PASS
177	176	5	9	6.4	4145	PASS

I614706.D I70326W.M Thu Jun 14 15:37:34 2007 RPT

BM 3/27/07

Calibration Table Report											
Method: I70326W.M											
Title: EPA Method 8260B/624 Calibration Curve 15mL Water											
Last Calibration: Tue Mar 27 13:31:09 2007											
Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Fluorobenzene (IS)	ISTD										
Dichlorodifluoromethane	0.448	0.455	0.434	0.448	0.430	0.419	0.406	0.434	4.033		
Chloromethane (SPCC)	0.411	0.420	0.393	0.427	0.403	0.405	0.406	0.409 ✓	2.717		
Vinyl chloride (CCC)	0.286	0.283	0.273	0.300	0.279	0.276	0.271	0.281	3.512 ✓		
Bromomethane	✓	0.104	0.119	0.146	0.139	0.146	0.138	0.132	12.784		
Ethylene oxide	✓	✓	0.015	0.016	0.015	0.015	0.013	0.015	6.880		
Chloroethane	0.265	0.264	0.255	0.264	0.238	0.228	0.179	0.242	12.959		
Trichlorofluoromethane	0.499	0.497	0.474	0.489	0.458	0.439	0.413	0.467	6.930		
Ethyl ether	0.142	0.160	0.144	0.160	0.162	0.164	0.161	0.156	5.879		
Ethanol	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	17.384		
1,1-Dichloroethene (CCC)	0.264	0.256	0.246	0.264	0.254	0.251	0.243	0.254	3.293 ✓		
Carbon disulfide	0.773	0.729	0.714	0.790	0.787	0.795	0.776	0.766	4.170		
1,1,2-Trichlorotrifluoroethane	0.306	0.297	0.276	0.288	0.275	0.272	0.265	0.283	5.219		
Propylene oxide	✓	✓	0.020	0.023	0.023	0.025	0.025	0.023	8.164		
Iodomethane	0.226	0.233	0.252	0.276	0.250	0.235	0.210	0.240	8.879		
Bromoethane	0.186	0.186	0.176	0.186	0.178	0.177	0.170	0.180	3.469		
Acrolein		0.008	0.009	0.010	0.010	0.012	0.012	0.010	15.047		
3-Chloropropene	0.326	0.334	0.341	0.373	0.358	0.347	0.319	0.343	5.494		
Methylene chloride	0.268	0.269	0.245	0.262	0.249	0.247	0.242	0.255	4.390		
Acetone	✓	✓	0.019	0.021	0.020	0.021	0.024	0.021	8.945		
trans-1,2-Dichloroethene	0.301	0.306	0.287	0.309	0.291	0.279	0.268	0.292	5.147		
Methyl acetate	✓	0.022	0.019	0.021	0.020	0.021	0.022	0.021	4.306		
Hexane	0.111	0.111	0.113	0.122	0.119	0.117	0.115	0.115	3.651		
Methyl tert-butyl ether (MTBE)	0.379	0.423	0.386	0.440	0.457	0.475	0.481	0.434	9.394		
tert-Butyl alcohol	0.004	0.004	0.003	0.005	0.006	0.006	0.007	0.005	25.378	0.996	
Acetonitrile	✓	✓	0.004	0.004	0.005	0.005	0.005	0.004	12.313		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Isopropyl ether	0.648	0.707	0.686	0.783	0.796	0.806	0.786	0.745	8.465		
2-Chloro-1,3-butadiene	0.186	0.196	0.203	0.232	0.234	0.240	0.239	0.219	10.438		
1,1-Dichloroethane (SPCC)	0.551	0.565	0.531	0.576	0.546	0.536	0.508	0.545 ✓	4.130		
Acrylonitrile	✓	0.035	0.033	0.038	0.038	0.040	0.040	0.037	6.830		
Vinyl acetate	✓	0.191	0.185	0.227	0.250	0.273	0.279	0.234	17.118		
cis-1,2-Dichloroethene	0.296	0.299	0.286	0.307	0.288	0.278	0.269	0.289	4.450		
2,2-Dichloropropane	0.361	0.372	0.370	0.415	0.416	0.433	0.434	0.400	7.854		
Cyclohexane	0.723	0.734	0.732	0.781	0.742	0.713	0.664	0.727	4.818		
Bromochloromethane	0.124	0.124	0.112	0.119	0.116	0.117	0.114	0.118	3.894		
2-Methylhexane	0.565	0.621	0.614	0.648	0.627	0.596	0.546	0.603	5.997		
Chloroform (CCC)	0.479	0.483	0.449	0.481	0.459	0.454	0.436	0.463	3.972 ✓		
Carbon tetrachloride	0.311	0.310	0.308	0.333	0.325	0.332	0.324	0.320	3.372		
3-Methylhexane	0.246	0.263	0.255	0.276	0.270	0.261	0.244	0.259	4.589		
Ethyl acetate	0.065	0.081	0.071	0.094	0.096	0.107	0.130	0.092	24.069		1.000
Tetrahydrofuran	0.038	0.044	0.035	0.044	0.048	0.051	0.044	0.043	12.741		
Dibromofluoromethane (Surr)	0.235	0.231	0.221	0.238	0.230	0.226	0.217	0.228	3.297		
1,1,1-Trichloroethane	0.384	0.398	0.389	0.421	0.407	0.408	0.398	0.401	3.133		
1,1-Dichloropropene	0.406	0.414	0.407	0.450	0.433	0.432	0.422	0.423	3.784		
2-Butanone (MEK)	✓	✓	0.035	0.035	0.036	0.038	0.039	0.037	5.221		
Benzene	1.310	1.337	1.260	1.335	1.268	1.240	1.169	1.274	4.690		
Heptane	0.220	0.241	0.249	0.272	0.265	0.258	0.242	0.249	6.918		
Propionitrile	✓	0.011	0.009	0.010	0.010	0.010	0.011	0.010	7.848		
Methacrylonitrile	0.037	0.044	0.042	0.050	0.052	0.053	0.052	0.047	13.342		
1,2-Dichloroethane-d4 (Surr)	0.140	0.139	0.118	0.128	0.124	0.118	0.117	0.126	7.693		
1,2-Dichloroethane	0.272	0.279	0.257	0.273	0.268	0.264	0.250	0.266	3.825		
Isobutyl alcohol	✓	✓	0.001	0.002	0.002	0.002	0.003	0.002	31.469	0.996	
Methylcyclohexane	0.559	0.564	0.546	0.585	0.557	0.540	0.498	0.550	4.896		
Trichloroethene	0.299	0.304	0.287	0.307	0.295	0.294	0.282	0.295	3.052		
Dibromomethane	0.096	0.094	0.087	0.096	0.095	0.093	0.087	0.093	4.078		
n-Butanol	✓	0.001	0.001	0.001	0.001	0.001	0.002	0.001	47.949		1.000
1,2-Dichloropropane (CCC)	0.259	0.266	0.255	0.279	0.275	0.276	0.269	0.268	3.390 ✓		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Bromodichloromethane	0.264	0.267	0.256	0.290	0.293	0.307	0.307	0.284	7.454		
1,4-Dioxane	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	20.723	OK BM 3/29/04	
Methyl methacrylate	0.041	0.046	0.046	0.062	0.076	0.090	0.097	0.066	34.615	0.998	
1-Bromo-2-chloroethane	0.230	0.248	0.227	0.256	0.254	0.261	0.263	0.249	5.891		
cis-1,3-Dichloropropene	0.265	0.298	0.303	0.362	0.380	0.404	0.408	0.346	16.453		
2-Chloroethyl vinyl ether	✓	✓	0.036	0.047	0.053	0.061	0.064	0.052	21.905	1.000	
Toluene-d8 (Surr)	0.914	0.954	0.940	1.046	1.018	1.009	0.970	0.979	4.840		
Chlorobenzene-d5 (IS)	ISTD										
Toluene (CCC)	6.547	6.701	6.394	6.958	6.553	6.446	6.406	6.572	3.055 ✓		
Epichlorohydrin	✓	✓	0.031	0.040	0.043	0.045	0.048	0.041	16.305		
2-Nitropropane to be updated →	✓	0.070	0.057	0.071	0.082	0.105	0.135	0.087	33.263		1.000
Tetrachloroethene	1.321	1.336	1.257	1.355	1.285	1.296	1.346	1.314	2.711		
4-Methyl-2-pentanone (MIBK)	✓	0.268	0.254	0.321	0.382	0.435	0.481	0.357	25.672	0.998	
trans-1,3-Dichloropropene	1.013	1.139	1.126	1.381	1.456	1.565	1.659	1.334	18.378		
1,1,2-Trichloroethane	0.741	0.759	0.705	0.771	0.754	0.755	0.787	0.753	3.393		
4-Methyl-2-pentanol (MIBC)	✓	0.024	0.020	0.027	0.037	0.052	0.075	0.039	53.293		1.000
Ethyl methacrylate	0.364	0.429	0.494	0.690	0.859	0.975	1.086	0.700	40.357	0.997	
Dibromochloromethane	0.587	0.639	0.592	0.712	0.751	0.798	0.858	0.705	14.774		
1,3-Dichloropropane	1.491	1.578	1.434	1.572	1.519	1.532	1.563	1.527	3.377		
1,2-Dibromoethane (EDB)	0.564	0.605	0.572	0.650	0.654	0.668	0.709	0.632	8.447		
2-Hexanone	✓	✓	0.123	0.168	0.209	0.254	0.300	0.211	33.024	0.996	
Chlorobenzene (SPCC)	4.028	3.994	3.690	3.941	3.712	3.617	3.454	3.777 ✓	5.710		
1-Chlorohexane	1.908	1.707	1.508	1.572	1.461	1.344	1.260	1.537	14.266		
Ethylbenzene (CCC)	2.152	2.197	2.161	2.331	2.201	2.183	2.134	2.194	2.965 ✓		
1,1,1,2-Tetrachloroethane	1.027	1.046	0.953	1.082	1.067	1.087	1.127	1.056	5.237		
m&p-Xylene	2.557	2.723	2.666	2.873	2.771	2.617	2.338	2.649	6.478		
o-Xylene	2.116	2.267	2.275	2.582	2.498	2.487	2.439	2.380	6.923		
Bromoform (SPCC)	0.226	0.246	0.227	0.281	0.297	0.334	0.365	0.282 ✓	18.939		
Styrene	2.244	2.733	3.072	3.695	3.796	3.845	3.823	3.315	19.307		
Isopropylbenzene	5.553	6.016	6.055	6.735	6.414	6.253	5.951	6.140	6.112		
Bromobenzene	1.030	1.115	1.044	1.149	1.131	1.140	1.160	1.110	4.679		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
n-Propylbenzene	1.431	1.597	1.625	1.777	1.703	1.688	1.636	1.637	6.638		
1,1,2,2-Tetrachloroethane (SPCC)	0.615	0.640	0.566	0.630	0.638	0.638	0.638	0.624 ✓	4.332		
1,4-Bromofluorobenzene (Surr)	1.681	1.560	1.492	1.664	1.615	1.606	1.609	1.604	3.962		
1,4-Dichlorobenzene-d4 (IS)	ISTD										
2-Chlorotoluene	1.194	1.189	1.182	1.257	1.200	1.176	1.155	1.193	2.659		
Cyclohexanone	✓	✓	0.003	0.004	0.004	0.005	0.005	0.004	26.841	0.998	
1,2,3-Trichloropropane	0.183	0.191	0.176	0.188	0.187	0.184	0.185	0.185	2.539		
trans-1,4-Dichloro-2-butene	✓	0.024	0.020	0.030	0.038	0.048	0.059	0.036	40.718		1.000
3-Ethyltoluene	4.313	4.656	4.872	5.341	5.068	4.926	4.562	4.820	7.072		
4-Chlorotoluene	1.119	1.189	1.196	1.265	1.208	1.191	1.172	1.192	3.664		
1,3,5-Trimethylbenzene	3.832	4.086	4.301	4.643	4.419	4.266	3.951	4.214	6.625		
2-Ethyltoluene	4.490	4.696	4.876	5.215	4.986	4.834	4.547	4.806	5.265		
tert-Butylbenzene	2.306	2.418	2.453	2.612	2.432	2.375	2.227	2.403	5.043		
Pentachloroethane	0.331	0.324	0.326	0.354	0.368	0.394	0.401	0.357	9.040		
1,2,4-Trimethylbenzene	3.613	3.850	4.036	4.342	4.201	4.109	3.870	4.003	6.113		
sec-Butylbenzene	5.199	5.461	5.576	5.982	5.649	5.387	5.000	5.465	5.619		
p-Isopropyltoluene	3.657	4.088	4.389	4.771	4.586	4.475	4.125	4.299	8.659		
1,3-Dichlorobenzene	1.987	2.052	1.899	2.015	1.936	1.918	1.878	1.955	3.282		
1,4-Dichlorobenzene	2.130	2.038	1.880	1.999	1.901	1.886	1.845	1.954	5.327		
Benzyl chloride	✓	0.083	0.088	0.120	0.147	0.190	0.215	0.141	38.289	0.996	
n-Butylbenzene	0.832	0.895	0.980	1.105	1.078	1.071	1.014	0.996	10.198		
1,2-Dichlorobenzene	1.529	1.531	1.439	1.547	1.503	1.505	1.511	1.509	2.311		
1,3,5-Trichlorobenzene	1.069	1.112	1.062	1.169	1.164	1.179	1.053	1.115	4.917		
1,2-Dibromo-3-chloropropane (DBCP)	✓	✓	0.034	0.045	0.047	0.057	0.067	0.050	25.186	0.996	
Hexachlorobutadiene	0.478	0.483	0.455	0.476	0.474	0.472	0.444	0.469	2.957		
1,2,4-Trichlorobenzene	0.600	0.643	0.591	0.681	0.704	0.771	0.737	0.675	10.036		
Naphthalene	✓	0.517	0.497	0.675	0.820	1.072	1.118	0.783	34.322	0.998	
1,2,3-Trichlorobenzene	0.369	0.420	0.366	0.438	0.474	0.535	0.509	0.445	14.696		
Tue Mar 27 14:11:51 2007											

6-15-7 27

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

"Only worked up: Target Analytes"

I614706.D					SPCC												
	SPIKE	AVG RF	AC	CCV R	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR =	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Fluorobenzene (IS)	16.7	######	570702	1.000						0				0.03			
Dichlorodifluoromethane	20	0.434	188564	0.276			-36.46			64				0.04	4.03		
Chloromethane (SPCC)	20	0.409	264776	0.387	0.10		-5.37			95				0.03	2.72		
Vinyl chloride (CCC)	20	0.281	193623	0.283			0.73	20		101				0.04	3.51		
Bromomethane	20	0.132	111148	0.163			23.29			123				0.13	12.78		
Ethylene oxide	250	0.015	162403	0.019			28.85			129				0.07	6.88		
Chloroethane	20	0.242	172584	0.253			4.50			105				0.13	12.96		
Trichlorofluoromethane	20	0.467	287461	0.421			-9.93			90				0.07	6.93		
Ethyl ether	20	0.156	104637	0.153			-2.01			98				0.06	5.88		
Ethanol	500	0.001	7464	0.000			-14.37			86				0.17	17.38		
1,1-Dichloroethene (CCC	20	0.254	152313	0.223			-12.25	20		88				0.03	3.29		
Carbon disulfide	20	0.766	545574	0.798			4.15			104				0.04	4.17		
1,1,2-Trichlorotrifluoroeth	20	0.283	167561	0.245			-13.25			87				0.05	5.22		
Propylene oxide	100	0.023	74460	0.022			-5.67			94				0.08	8.16		
Iodomethane	20	0.240	175912	0.257			7.21			107				0.09	8.88		
Bromoethane	20	0.180	116840	0.171			-4.87			95				0.03	3.47		
Acrolein	100	0.010	42890	0.013			23.25			123				0.15	15.05		
3-Chloropropene	20	0.343	304473	0.445			29.97			130				0.05	5.49		
Methylene chloride	20	0.255	157607	0.231			-9.43			91				0.04	4.39		
Acetone	20	0.021	16214	0.024			13.87			114				0.09	8.94		
trans-1,2-Dichloroethene	20	0.292	169135	0.247			-15.11			85				0.05	5.15		
Methyl acetate	50	0.021	28913	0.017			-18.84			81				0.04	4.31		
Hexane	20	0.115	68133	0.100			-13.67			86				0.04	3.65		
Methyl tert-butyl ether (M	20	0.434	262398	0.384			-11.62			88				0.09	9.39		
tert-Butyl alcohol	500	0.007	47372	0.003			-59.07			41				1.00	99.63	*	
Acetonitrile	100	0.004	17299	0.005			13.65			114				0.12	12.31		
Isopropyl ether	20	0.745	562250	0.823			10.49			110				0.08	8.47		
2-Chloro-1,3-butadiene	20	0.219	130866	0.191			-12.43			88				0.10	10.44		
1,1-Dichloroethane (SPC	20	0.545	377208	0.552	0.10		1.30			101				0.04	4.13		
Acrylonitrile	100	0.037	126858	0.037			-0.46			100				0.07	6.83		
Vinyl acetate	20	0.234	184731	0.270			15.36			115				0.17	17.12		
cis-1,2-Dichloroethene	20	0.289	167141	0.245			-15.37			85				0.04	4.45		
2,2-Dichloropropane	20	0.400	274660	0.402			0.42			100				0.08	7.85		
Cyclohexane	20	0.727	386815	0.566			-22.16			78				0.05	4.82		
Bromochloromethane	20	0.118	64482	0.094			-20.05			80				0.04	3.89		
2-Methylhexane	20			0.000			NC								0.00		
Chloroform (CCC)	20	0.463	291395	0.426			-7.88	20		92				0.04	3.97		
Carbon tetrachloride	20	0.320	202766	0.297			-7.38			93				0.03	3.37		
3-Methylhexane	20	0.259	0	0.000			-100.00			0				0.05	4.59		CHECK
Ethyl acetate	100	0.087	293251	0.086			-1.29			99				1.00	99.99	*	
Tetrahydrofuran	20	0.043	37169	0.054			25.65			126				0.13	12.74		
1,1,1-Trichloroethane	20	0.401	258899	0.379			-5.44			95				0.03	3.13		
1,1-Dichloropropene	20	0.423	274179	0.401			-5.24			95				0.04	3.78		
2-Butanone (MEK)	20	0.037	23387	0.034			-6.34			94				0.05	5.22		
Benzene	20	1.274	789013	1.154			-9.39			91				0.05	4.69		
Heptane	20			0.000			NC								0.00		
Propionitrile	100	0.010	36056	0.011			5.22			105				0.08	7.85		
Methacrylonitrile	100	0.047	149542	0.044			-7.12			93				0.13	13.34		
1,2-Dichloroethane	20	0.266	171629	0.251			-5.65			94				0.04	3.83		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I614706.D					SPCC												
	SPIKE	AVG RF	AC	CCV R	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR =	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Isobutyl alcohol	500	0.003	18774	0.001			-63.54			36				1.00	99.55	*	
Methylcyclohexane	50	0.550	922910	0.540			-1.79			98				0.05	4.90		
Trichloroethene	20	0.295	167238	0.245			-17.16			83				0.03	3.05		
Dibromomethane	20	0.093	50183	0.073			-20.65			79				0.04	4.08		
n-Butanol	1000	0.001	14738	0.000			-62.38			38				1.00	99.98	*	
1,2-Dichloropropane (CC	20	0.268	174348	0.255			-4.93	20		95				0.03	3.39		
Bromodichloromethane	20	0.284	174329	0.255			-10.08			90				0.07	7.45		
1,4-Dioxane	500	0.001	4346	0.000			-53.66			46				0.21	20.72		
Methyl methacrylate	20	0.099	43983	0.064			-34.68			65				1.00	99.80	*	
1-Bromo-2-chloroethane	20	0.249	147950	0.216			-12.89			87				0.06	5.89		
cis-1,3-Dichloropropene	20	0.346	217429	0.318			-7.98			92				0.16	16.45		
2-Chloroethyl vinyl ether	20	0.066	46522	0.068			2.89			103				1.00	99.96	*	
Chlorobenzene-d5 (IS)	16.7	1.000	94955	1.000						100				0.00			
Toluene (CCC)	20	6.572	715840	6.295			-4.22	20		96				0.03	3.05		
Epichlorohydrin	100	0.041	16307	0.032			-22.36			78				0.16	16.30		
2-Nitropropane	20	0.076	8131	0.072			-6.50			93				1.00	99.99	*	
Tetrachloroethene	20	1.314	111868	0.984			-25.13			75				0.03	2.71		
4-Methyl-2-pentanone (M	20	0.488	41522	0.365			-25.24			75				1.00	99.79	*	
trans-1,3-Dichloropropene	20	1.334	147739	1.299			-2.62			97				0.18	18.38		
1,1,2-Trichloroethane	20	0.753	72197	0.635			-15.72			84				0.03	3.39		
4-Methyl-2-pentanol (MIB	100	0.029	8103	0.014			-51.65			48				1.00	100.00	*	
Ethyl methacrylate	20	1.097	77517	0.682			-37.84			62				1.00	99.74	*	
Dibromochloromethane	20	0.705	69689	0.613			-13.10			87				0.15	14.77		
1,3-Dichloropropane	20	1.527	155712	1.369			-10.33			90				0.03	3.38		
1,2-Dibromoethane (EDB	20	0.632	59542	0.524			-17.14			83				0.08	8.45		
2-Hexanone	20	0.310	20129	0.177			-42.98			57				1.00	99.60	*	
Chlorobenzene (SPCC)	20	3.777	365206	3.211	0.30		-14.96			85				0.06	5.71		
1-Chlorohexane	20	1.537	177393	1.560			1.47			101				0.14	14.27		
Ethylbenzene (CCC)	20	2.194	220567	1.940			-11.60	20		88				0.03	2.97		
1,1,1,2-Tetrachloroethane	20	1.056	102539	0.902			-14.59			85				0.05	5.24		
m&p-Xylene	40	2.649	564626	2.483			-6.29			94				0.06	6.48		
o-Xylene	20	2.380	244119	2.147			-9.82			90				0.07	6.92		
Bromoform (SPCC)	20	0.282	25412	0.223	0.10		-20.86			79				0.19	18.94		
Styrene	20	3.315	347999	3.060			-7.70			92				0.19	19.31		
Isopropylbenzene	20	6.140	619010	5.443			-11.34			89				0.06	6.11		
Bromobenzene	20	1.110	100866	0.887			-20.08			80				0.05	4.68		
n-Propylbenzene	20	1.637	158768	1.396			-14.70			85				0.07	6.64		
1,1,2,2-Tetrachloroethane	20	0.624	54399	0.478	0.30		-23.26			77				0.04	4.33		
1,4-Dichlorobenzene-d4 (	16.7	1.000	97674	1.000						100				0.00			
2-Chlorotoluene	20	1.193	125594	1.074			-10.02			90				0.03	2.66		
Cyclohexanone	100	0.006	3692	0.006			11.73			112				1.00	99.79	*	
1,2,3-Trichloropropane	20	0.185	17416	0.149			-19.46			81				0.03	2.54		
trans-1,4-Dichloro-2-buter	20	0.039	2678	0.023			-41.10			59				1.00	99.98	*	
3-Ethyltoluene	20	4.820	545405	4.663			-3.26			97				0.07	7.07		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I614706.D					SPCC											
	SPIKE	AVG RF	AC	CCV R	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL		
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F
4-Chlorotoluene	20	1.191	123985	1.060			-11.04			89				0.04	3.66	
1,3,5-Trimethylbenzene	20	4.214	544856	4.658			10.53			111				0.07	6.63	
2-Ethyltoluene	20	4.806	542197	4.635			-3.56			96				0.05	5.26	
tert-Butylbenzene	20	2.403	266878	2.281			-5.06			95				0.05	5.04	
Pentachloroethane	20	0.357	44517	0.381			6.59			107				0.09	9.04	
1,2,4-Trimethylbenzene	20	4.003	438470	3.748			-6.35			94				0.06	6.11	
sec-Butylbenzene	20	5.465	577810	4.940			-9.61			90				0.06	5.82	
p-Isopropyltoluene	20	4.299	465272	3.978			-7.47			93				0.09	8.66	
1,3-Dichlorobenzene	20	1.955	191636	1.638			-16.20			84				0.03	3.28	
1,4-Dichlorobenzene	20	1.954	186752	1.597			-18.30			82				0.05	5.33	
Benzyl chloride	20	0.220	13131	0.112			-48.88			51				1.00	99.64	*
n-Butylbenzene	20	0.996	104353	0.892			-10.46			90				0.10	10.20	
1,2-Dichlorobenzene	20	1.509	146933	1.256			-16.77			83				0.02	2.31	
1,3,5-Trichlorobenzene	50	1.115	0	0.000			-100.00			0				0.05	4.92	CHECK
1,2-Dibromo-3-chloroprop	20	0.069	3555	0.030			-55.75			44				1.00	99.60	*
Hexachlorobutadiene	20	0.469	40733	0.348			-25.75			74				0.03	2.96	
1,2,4-Trichlorobenzene	20	0.675	53542	0.458			-32.23			68				0.10	10.04	
Naphthalene	20	1.150	51186	0.438			-61.95			38				1.00	99.83	*
1,2,3-Trichlorobenzene	20	0.445	29400	0.251			-43.46			57				0.15	14.70	
Dibromofluoromethane (S	16.7	0.228	133245	0.233			2.21			102	81	110		0.03	3.30	
1,2-Dichloroethane-d4 (S	16.7	0.126	76458	0.134			6.05			106	75	115		0.08	7.69	
Toluene-d8 (Surr)	16.7	0.979	600149	1.052			7.47			107	90	114		0.05		
1,4-Bromofluorobenzene	16.7	1.604	157957	1.663			3.72			104	86	117		0.04		
				Average % differen			-13.53									

Q - Failed criteria
NC-Not Calibrated

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY (Form VIII)

G-15-7M

File ID														BFB TIME IF NOT IN CCAL
Calcheck	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I614706.D	CCV;CCV,i061407	570702			6.165	94955			9.3456	97674			10.939	14 Jun 2007 1:35 pm
Upper Limit		1141404	200			189910	200			195348	200			
Lower Limit		285351	50			47477.5	50			48837	50			

Sample	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I614707.D	LCS;LCS,i061407	604528	106		6.162	107958	114		9.3427	114014	117		10.936	14 Jun 2007 2:35 pm
I614708.D	LCS;LCS,i061407	603995	106		6.162	107780	114		9.3423	113610	116		10.936	14 Jun 2007 3:00 pm
I614709.D	J0DTN1AD;I7F060169-02MS 20KX,i06140	617588	108		6.166	110318	116		9.3403	117430	120		10.934	14 Jun 2007 4:28 pm
I614710.D	J0DTN1AD;I7F060169-02MSD 20KX,i0614	616603	108		6.163	109543	115		9.3431	116520	119		10.936	14 Jun 2007 4:53 pm
I614711.D	BLANK;BLANK	594156	104		6.162	103025	108		9.3428	107009	110		10.936	14 Jun 2007 5:18 pm
I614712.D	BLANK;BLANK	581683	102		6.161	100283	106		9.3418	102055	104		10.935	14 Jun 2007 5:43 pm
I614713.D	BLANK;BLANK,i061407	572634	100		6.166	97483	103		9.3401	99844	102		10.933	14 Jun 2007 6:08 pm
I614714.D	J0DTR1AA;I7F060169-03,74859	582530	102		6.165	101105	106		9.3399	100698	103		10.933	14 Jun 2007 6:33 pm
I614715.D	J0A471AA;I7F050254-02,74859	567710	99		6.166	96616	102		9.3403	94171	96		10.934	14 Jun 2007 6:58 pm
I614716.D	J0A5D1AA;I7F050254-04,74859	565961	99		6.167	96293	101		9.341	98279	101		10.934	14 Jun 2007 7:23 pm
I614717.D	J0DTG1A2;I7F060169-01,74859	563955	99		6.16	102677	108		9.3409	113456	116		10.934	14 Jun 2007 7:48 pm
I614718.D	J0A4E1AA;I7F050254-01,74859	551038	97		6.163	99134	104		9.3437	110343	113		10.937	14 Jun 2007 8:13 pm
I614719.D	J0DTN1AD;I7F060169-02 20KX,i061407	537529	94		6.165	93873	99		9.3399	96293	99		10.933	14 Jun 2007 8:38 pm
I614720.D	;I7F050254-03 20KX	525724	92		6.163	91899	97		9.3432	95548	98		10.937	14 Jun 2007 9:04 pm
I614721.D	JX9N71AE;I7F050121-01,15075	522985	92		6.166	91341	96		9.3405	97392	100		10.934	14 Jun 2007 9:29 pm
I614722.D	J0M881AA;I7F090114-01,58615	502990	88		6.166	84391	89		9.3403	84211	86		10.934	14 Jun 2007 9:54 pm
I614723.D	J0M9A1AA;I7F090114-02,58615	494199	87		6.16	84207	89		9.3409	83264	85		10.934	14 Jun 2007 10:19 pm
I614724.D	J0M9C1AA;I7F090114-03,58615	490126	86		6.162	83473	88		9.343	80374	82		10.936	14 Jun 2007 10:44 pm
I614725.D	J0M9D1AA;I7F090114-04,58615	468819	82		6.166	80145	84		9.3401	78272	80		10.933	14 Jun 2007 11:09 pm
I614726.D	J0M9E1AA;I7F090114-05,58615	478406	84		6.163	82626	87		9.3438	81384	83		10.937	14 Jun 2007 11:34 pm
I614727.D	J0M9F1AA;I7F090114-06,58615	469683	82		6.162	78440	83		9.343	77165	79		10.936	14 Jun 2007 11:59 pm
I614728.D	J0M9G1AA;I7F090114-07,58615	465546	82		6.166	80105	84		9.3403	80328	82		10.934	15 Jun 2007 12:25 am
I614729.D	J0M9H1AA;I7F090114-08,58615	464850	81		6.161	80555	85		9.341	77831	80		10.934	15 Jun 2007 12:50 am
I614730.D	BLANK;BLANK	458373	80		6.165	78326	82		9.3395	75608	77		10.939	15 Jun 2007 1:15 am
I614731.D	BLANK;BLANK	465175	82		6.163	80098	84		9.3439	79641	82		10.937	15 Jun 2007 1:40 am
I614732.D	BLANK;BLANK,i061407	453204	79		6.166	76646	81		9.3402	75349	77		10.934	15 Jun 2007 2:05 am
I614733.D	JX8CC1AD;I7F040165-01,MBTEXT	446413	78		6.163	75613	80		9.3434	73319	75		10.937	15 Jun 2007 2:30 am
I614734.D	JX8CN1AA;I7F040165-02,MBTEXT	476695	84		6.163	82466	87		9.3433	83348	85		10.937	15 Jun 2007 2:55 am
I614735.D	JX8CN1AA;I7F040165-03 2X,MBTEXT	486634	85		6.166	84076	89		9.3407	87344	89		10.934	15 Jun 2007 3:20 am
I614736.D	JX8C31AA;I7F040165-04 500X,MBTEXT	477771	84		6.166	83779	88		9.3402	89216	91		10.933	15 Jun 2007 3:45 am

QC & Sample Data

STL AUSTIN

MSVOA DATA REVIEW CHECK LIST

Lot Numbers / Lab Sample Numbers / Batch Numbers / HBN Numbers

7166158 - 8260

7166167 - 624

Horizon Samples Only

MDL Date:

Analyst DOC Date:

Method / Queue: 624 / 8260B

Instrument ID: MSI

Analysis Date: 6-10-07

ICAL Date: 3-26-07

Review Item	YES	NO	N/A	2nd Review
Tuning				
BFB tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct BFB included with analytical runs	✓			✓
12 hour (8260) / 24 hour (624) clock requirements met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits	✓			✓
Quantified against appropriate standard	✓			✓
Run(s) within linear range		✓		✓
Sample hold times met	✓			✓
Target analyte list match	✓			✓
Quality Control Samples				
Method blanks analyzed at required frequency	✓			✓
Method blanks less than reporting limits	✓			✓
LCS (LCSD) spike % recoveries and RPDs within limits		✓		✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances written	✓			✓
Required forms completed (CCV and IS macro forms)	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency			✓	✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer			✓	✓
Units checked	✓			✓

Comment on any "NO" response:

Analyst: G. Zmy Date:

2nd Review: DW Date: 6-18-07

8260B

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

****
* QC BATCH: 7166158 *
****

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

Reviewer/Date: _____ / 0/00/00

Volatile Organics, GC/MS (8260B)
PURGE AND TRAP - 15 mL purge (Waters)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	6/20/07	I7F050121-001 JX9N7-1-AE	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-001 J0A4E-1-A2	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-002 J0A47-1-AA	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-004 J0A5D-1-AA	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-001 J0DTG-1-A2	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-002 J0DTN-1-AD	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-002 J0DTN-1-A3S	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															

8260B

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

QC BATCH: 7166158

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	6/20/07	I7F060169-002 J0DTN-1-A4D	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-003 J0DTR-1-AA	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-001 J0M88-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-002 J0M9A-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-003 J0M9C-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-004 J0M9D-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-005 J0M9E-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-006 J0M9F-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-007 J0M9G-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-008 J0M9H-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															

826073

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

****
* QC BATCH: 7166158 *
****

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	0/00/00	I7F150000-158 J033D-1-AAB		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F150000-158 J033D-1-ACC		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F150000-158 J033D-1-ADL	R	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 20

STL AUSTIN

INSTRUMENT GCMS-11
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME: 0135

ANALYST / DATE: G-14-7pm
METHOD / TEST: 8260B 16 7
SOP #: AUS-MS-0004, current revision

DAILY CHECK Y	COLUMN CHANGED N	P&T MAINT. (Describe) N	
M PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N/A

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, etc. Column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: Atune.u
Eject Mult. 118 volts
Tuning Performance: BFB
Sampling Rate 2^ 4
Scan Range 35-300 amu
Interface: Open-Split

GC PROGRAM:

GC Meth. I 70326W
Inj. Temp 150 C
Carrier Gas: Helium
Flow/Pressure 1.3
Initial Temp. 35 C
Init.Hold 2 min
Ramp 9 C/min
Final Temp. 85 C
Final Hold 0 min
2nd Ramp 30 C/min
2nd Temp 210 C
2nd Hold 4 min
3rd Ramp C/min
3rd Temp C
3rd Hold min

GC COLUMN:

Column ID#: MSVOAID 010
Phases/Loadings: RTXVMS
Capillary i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap Tekmar Velocity/Solatek
Split 120:1 Splitless

INSTRUMENT SE
Sample Name, Samp

I614701	I70326W	BLANK;BLANK
I614702	I70326W	BLANK;BLANK
I614703	I70326W	BLANK;BLANK
I614704	I70326W	BLANK;BLANK
I614705	I70326W	BLANK;BLANK
I614706	I70326W	CCV;CCV 0135pm
I614707	I70326W	LCS;LCS
I614708	I70326W	LCS;LCS
I614709	I70326W	J0DTN1AD;I7F060169-02MS 20KX 7166155
I614710	I70326W	J0DTN1AD;I7F060169-02MSD 20KX
I614711	I70326W	BLANK;BLANK
I614712	I70326W	BLANK;BLANK
I614713	I70326W	BLANK;BLANK
I614714	I70326W	J0DTR1AA;I7F060169-03,74859
I614715	I70326W	J0A471AA;I7F050254-02,74859
I614716	I70326W	J0A5D1AA;I7F050254-04,74859
I614717	I70326W	J0DTG1A2;I7F060169-01,74859
I614718	I70326W	J0A4E1AA;I7F050254-01,74859
I614719	I70326W	J0DTN1AD;I7F060169-02 20KX WCRRIX
I614720	I70326W	~~J0A5A1A2;I7F050254-03 20KX~~ ~~RR320KX Clear~~
I614721	I70326W	JX9N71AE;I7F050121-01,15075
I614722	I70326W	J0M881AA;I7F090114-01,58615
I614723	I70326W	J0M9A1AA;I7F090114-02,58615
I614724	I70326W	J0M9C1AF;I7F090114-03,58615
I614725	I70326W	J0M9D1AF;I7F090114-04,58615
I614726	I70326W	J0M9E1AF;I7F090114-05,58615
I614727	I70326W	J0M9F1AF;I7F090114-06,58615
I614728	I70326W	J0M9G1AA;I7F090114-07,58615
I614729	I70326W	J0M9H1AA;I7F090114-08,58615
I614730	I70326W	BLANK;BLANK 1250am
I614731	I70326W	BLANK;BLANK
I614732	I70326W	BLANK;BLANK 8260- out 9BFDRRIX
I614733	I70326W	JX8CC1AD;JX8CC1AE;I7F040167-0 7166167
I614734	I70326W	JX8CN1AA;I7F040167-02,MBTEXT
I614735	I70326W	JX8C#1AA;I7F040167-03 2X,MBTE
I614736	I70326W	JX8C31AA;I7F040167-04 500X,MB 624

0345am

6-15-7pm

6-15-7pm

Sequence Name: C:\HPCHEM\1\SEQUENCE\I061407.S
Comment:
Operator: DY
Data Path: C:\HPCHEM\1\DATA\I061407.B\
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	Blank	1	I614701	I70326W	~~BLANK;BLANK~~
2	Blank	2	I614702	I70326W	~~BLANK;BLANK~~
3	Blank	3	I614703	I70326W	~~BLANK;BLANK~~
4	Blank	4	I614704	I70326W	~~BLANK;BLANK~~
5	Blank	5	I614705	I70326W	~~BLANK;BLANK~~
6	Blank	6	I614706	I70326W	CCV;CCV 0135pm
7	Blank	7	I614707	I70326W	LCS;LCS
8	Blank	8	I614708	I70326W	LCS;LCS
9	Blank	9	I614709	I70326W	J0DTN1AD;I7F060169-02MS 20KX 7166155
10	Blank	10	I614710	I70326W	J0DTN1AD;I7F060169-02MSD 20KX
11	Blank	11	I614711	I70326W	~~BLANK;BLANK~~
12	Blank	12	I614712	I70326W	~~BLANK;BLANK~~
13	Blank	13	I614713	I70326W	BLANK;BLANK
14	Blank	14	I614714	I70326W	J0DTR1AA;I7F060169-03,74859
15	Blank	15	I614715	I70326W	J0A471AA;I7F050254-02,74859
16	Blank	16	I614716	I70326W	J0A5D1AA;I7F050254-04,74859
17	Blank	17	I614717	I70326W	J0DTG1A2;I7F060169-01,74859
18	Blank	18	I614718	I70326W	J0A4E1A2;I7F050254-01,74859
19	Blank PARENT	19	I614719	I70326W	J0DTN1AD;I7F060169-02 20KX wCRRIX
20	Blank	20	I614720	I70326W	~~J0A5A1A2;I7F050254-03 20KX~~ ~~RR20KX CHK~~
21	Blank	21	I614721	I70326W	JX9N71AE;I7F050121-01,15075
22	Blank	22	I614722	I70326W	J0M881AA;I7F090114-01,58615
23	Blank	23	I614723	I70326W	J0M9A1AA;I7F090114-02,58615
24	Blank	24	I614724	I70326W	J0M9C1AA;I7F090114-03,58615
25	Blank	25	I614725	I70326W	J0M9D1AA;I7F090114-04,58615
26	Blank	26	I614726	I70326W	J0M9E1AA;I7F090114-05,58615
27	Blank	27	I614727	I70326W	J0M9F1AA;I7F090114-06,58615
28	Blank	28	I614728	I70326W	J0M9G1AA;I7F090114-07,58615
29	Blank	29	I614729	I70326W	J0M9H1AA;I7F090114-08,58615
30	Blank	30	I614730	I70326W	~~BLANK;BLANK~~ 1250am
31	Blank	31	I614731	I70326W	~~BLANK;BLANK~~
32	Blank	32	I614732	I70326W	~~BLANK;BLANK~~ -8260- out 9BFBRRIX
33	Blank	33	I614733	I70326W	JX8CC1AD;JX8CC1AE;I7F040162-0 7166
34	Blank	34	I614734	I70326W	JX8CN1AA;I7F040162-02,MBTEXT
35	Blank	35	I614735	I70326W	JX8CN1AA;I7F040162-03 2X,MBTE
36	Blank	36	I614736	I70326W	JX8C31AA;I7F040162-04 500X,MB
37					0345am 624

6-15-7m

Quantitation Report (QT Reviewed)

6-15-07

Data File : H:\MSI.I\I061407.B\I614706.D
Acq On : 14 Jun 2007 1:35 pm
Sample : CCV;CCV,i061407
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107

Vial: 6
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	570702	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.35	119	94955	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	97674	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	133245	17.0691 PPB	-0.04
Spiked Amount 16.700			Recovery	= 102.22%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	76458	17.7107 PPB	-0.04
Spiked Amount 16.700			Recovery	= 106.05%	
64) Toluene-d8 (Surr)	7.98	98	600149	17.9469 PPB	-0.01
Spiked Amount 16.700			Recovery	= 107.49%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	157957	17.3215 PPB	-0.02
Spiked Amount 16.700			Recovery	= 103.71%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	188564	12.7082 PPB	S	99
3) Chloromethane (SPCC)	1.65	50	264776	18.9260 PPB	S	99
4) Vinyl chloride (CCC)	1.74	62	193623	20.1454 PPB	S	99
5) Bromomethane	2.06	94	111148	24.6590 PPB	S	100
6) Ethylene oxide	2.16	44	162403	322.1146 PPB	S	98
7) Chloroethane	2.19	64	172584	20.9001 PPB	S	97
8) Trichlorofluoromethane	2.34	101	287461	18.0137 PPB	S	92
9) Ethyl ether	2.66	59	104637	19.5980 PPB	S	93
10) Ethanol	2.86	45	7464	428.1339 PPB	S	98
11) 1,1-Dichloroethene (CCC)	2.85	96	152313	17.5493 PPB #	S	84
12) Carbon disulfide	2.86	76	545574	20.8299 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	167561	17.3491 PPB		97
14) Propylene oxide	2.98	58	74460	94.3308 PPB #		96
15) Iodomethane	2.98	142	175912	21.4428 PPB		96
16) Bromoethane	3.11	108	116840	19.0263 PPB		100
17) Acrolein	3.20	56	42890	123.2508 PPB		98
18) 3-Chloropropene	3.34	41	304473	25.9949 PPB		94
19) Methylene chloride	3.45	84	157607	18.1139 PPB #		69
20) Acetone	3.51	43	16214	22.7743 PPB		93
21) trans-1,2-Dichloroethene	3.61	96	169135	16.9776 PPB		86
22) Methyl acetate	3.64	74	28913	40.5806 PPB #		100
23) Hexane	3.70	86	68133	17.2657 PPB #		67
24) Methyl tert-butyl ether (M	3.73	73	262398	17.6751 PPB #		67
25) tert-Butyl alcohol	3.85	59	47372	266.5674 PPB #		34
26) Acetonitrile	3.98	40	17299	113.6485 PPB #		100
27) Isopropyl ether	4.13	45	562250	22.0979 PPB		94
28) 2-Chloro-1,3-butadiene	4.22	88	130866	17.5148 PPB #		77
29) 1,1-Dichloroethane (SPCC)	4.24	63	377208	20.2606 PPB		98
30) Acrylonitrile	4.30	53	126858	99.5359 PPB #		100
31) Vinyl acetate	4.52	43	184731	23.0723 PPB #		86
32) cis-1,2-Dichloroethene	4.80	96	167141	16.9262 PPB		88
33) 2,2-Dichloropropane	4.91	77	274660	20.0846 PPB #		100
34) Cyclohexane	5.00	56	386815	15.5679 PPB		94
35) Bromochloromethane	5.01	130	64482	15.9901 PPB #		62
37) Chloroform (CCC)	5.10	83	291395	18.4232 PPB #		84
38) Carbon tetrachloride	5.23	117	202766	18.5239 PPB		99
40) Ethyl acetate	5.25	43	293251	91.7059 PPB		70
41) Tetrahydrofuran	5.25	42	37169	25.1302 PPB #		1
43) 1,1,1-Trichloroethane	5.30	97	258899	18.9117 PPB		97
44) 1,1-Dichloropropene	5.44	75	274179	18.9519 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.44	43	23387	18.7316	PPB		100
46)	Benzene	5.70	78	789013	18.1213	PPB		97
48)	Propionitrile	5.75	54	36056	105.2240	PPB	#	1
49)	Methacrylonitrile	5.76	67	149542	92.8801	PPB	#	73
51)	1,2-Dichloroethane	5.93	62	171629	18.8708	PPB		98
52)	Isobutyl alcohol	6.00	43	18774	310.8061	PPB		92
53)	Methylcyclohexane	6.34	83	922910	49.1058	PPB		89
54)	Trichloroethene	6.35	130	167238	16.5672	PPB		95
55)	Dibromomethane	6.83	93	50183	15.8702	PPB		95
56)	n-Butanol	6.80	56	14738	454.1842	ug/L	#	78
57)	1,2-Dichloropropane (CCC)	6.94	63	174348	19.0134	PPB		91
58)	Bromodichloromethane	7.03	83	174329	17.9846	PPB		98
59)	1,4-Dioxane	7.29	88	4346	231.7225	PPB	#	69
60)	Methyl methacrylate	7.25	69	43983	15.6500	PPB		79
61)	1-Bromo-2-chloroethane	7.58	63	147950	17.4211	PPB		91
62)	cis-1,3-Dichloropropene	7.78	75	217429	18.4048	PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	46522	23.7245	PPB		92
66)	Toluene (CCC)	8.03	91	715840	19.1556	PPB		98
67)	Epichlorohydrin	8.06	57	18307	77.6403	PPB	#	30
68)	2-Nitropropane	8.27	43	8131	17.4153	PPB	#	100
69)	Tetrachloroethene	8.40	164	111868	14.9750	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	41522	17.9709	PPB	#	77
71)	trans-1,3-Dichloropropene	8.45	75	147739	19.4768	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	72197	16.8550	PPB		93
73)	4-Methyl-2-pentanol (MIBC)	8.62	45	8103	48.5890	PPB	#	100
74)	Ethyl methacrylate	8.62	69	77517	15.1748	PPB		88
75)	Dibromochloromethane	8.74	129	69689	17.3810	PPB		100
76)	1,3-Dichloropropane	8.82	76	155712	17.9349	PPB		87
77)	1,2-Dibromoethane (EDB)	8.93	107	59542	16.5725	PPB		99
78)	2-Hexanone	9.14	43	20129	16.7154	PPB		82
79)	Chlorobenzene (SPCC)	9.36	112	365206	17.0073	PPB		93
80)	1-Chlorohexane	9.35	55	177393	20.2947	PPB		92
81)	Ethylbenzene (CCC)	9.38	106	220567	17.6798	PPB		74
82)	1,1,1,2-Tetrachloroethane	9.41	131	102539	17.0821	PPB	#	1
83)	m&p-Xylene	9.49	106	564626	37.4833	PPB		94
84)	o-Xylene	9.81	106	244119	18.0363	PPB		94
85)	Bromoform (SPCC)	9.86	173	25412	15.8279	PPB		100
86)	Styrene	9.84	104	347999	18.4599	PPB		96
87)	Isopropylbenzene	10.03	105	619010	17.7320	PPB		97
88)	Bromobenzene	10.29	156	100866	15.9836	PPB	#	47
89)	n-Propylbenzene	10.31	120	158768	17.0600	PPB	#	78
90)	1,1,2,2-Tetrachloroethane	10.36	83	54399	15.3432	PPB		97
93)	2-Chlorotoluene	10.41	126	125594	17.9962	PPB	#	86
94)	Cyclohexanone	10.48	42	3692	132.5916	PPB	#	71
95)	1,2,3-Trichloropropane	10.45	110	17416	16.1073	PPB	#	77
96)	trans-1,4-Dichloro-2-buten	10.47	89	2678	12.9582	PPB	#	1
97)	3-Ethyltoluene	10.37	105	545405	19.3486	PPB	#	51
98)	4-Chlorotoluene	10.52	126	123985	17.7915	PPB	#	83
99)	1,3,5-Trimethylbenzene	10.37	105	544856	22.1065	PPB		94
100)	2-Ethyltoluene	10.57	105	542197	19.2882	PPB	#	97
101)	tert-Butylbenzene	10.64	91	266878	18.9876	PPB		91
102)	Pentachloroethane	10.66	167	44517	21.3188	PPB	#	95
103)	1,2,4-Trimethylbenzene	10.68	105	438470	18.7292	PPB		97
104)	sec-Butylbenzene	10.75	105	577810	18.0770	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	465272	18.5061	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614706.D
Acq On : 14 Jun 2007 1:35 pm
Sample : CCV;CCV,i061407
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107

Vial: 6
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
106) 1,3-Dichlorobenzene	10.89	146	191636	16.7591 PPB	#	76
107) 1,4-Dichlorobenzene	10.94	146	186752	16.3391 PPB	#	100
108) Benzyl chloride	11.10	126	13131	14.2849 PPB	#	1
109) n-Butylbenzene	11.10	134	104353	17.9080 PPB		88
110) 1,2-Dichlorobenzene	11.21	146	146933	16.6463 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	3555	13.5015 PPB	#	1
113) Hexachlorobutadiene	12.06	225	40733	14.8503 PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	53542	13.5539 PPB		99
115) Naphthalene	12.31	128	51186	10.9480 PPB		98
116) 1,2,3-Trichlorobenzene	12.43	180	29400	11.3078 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

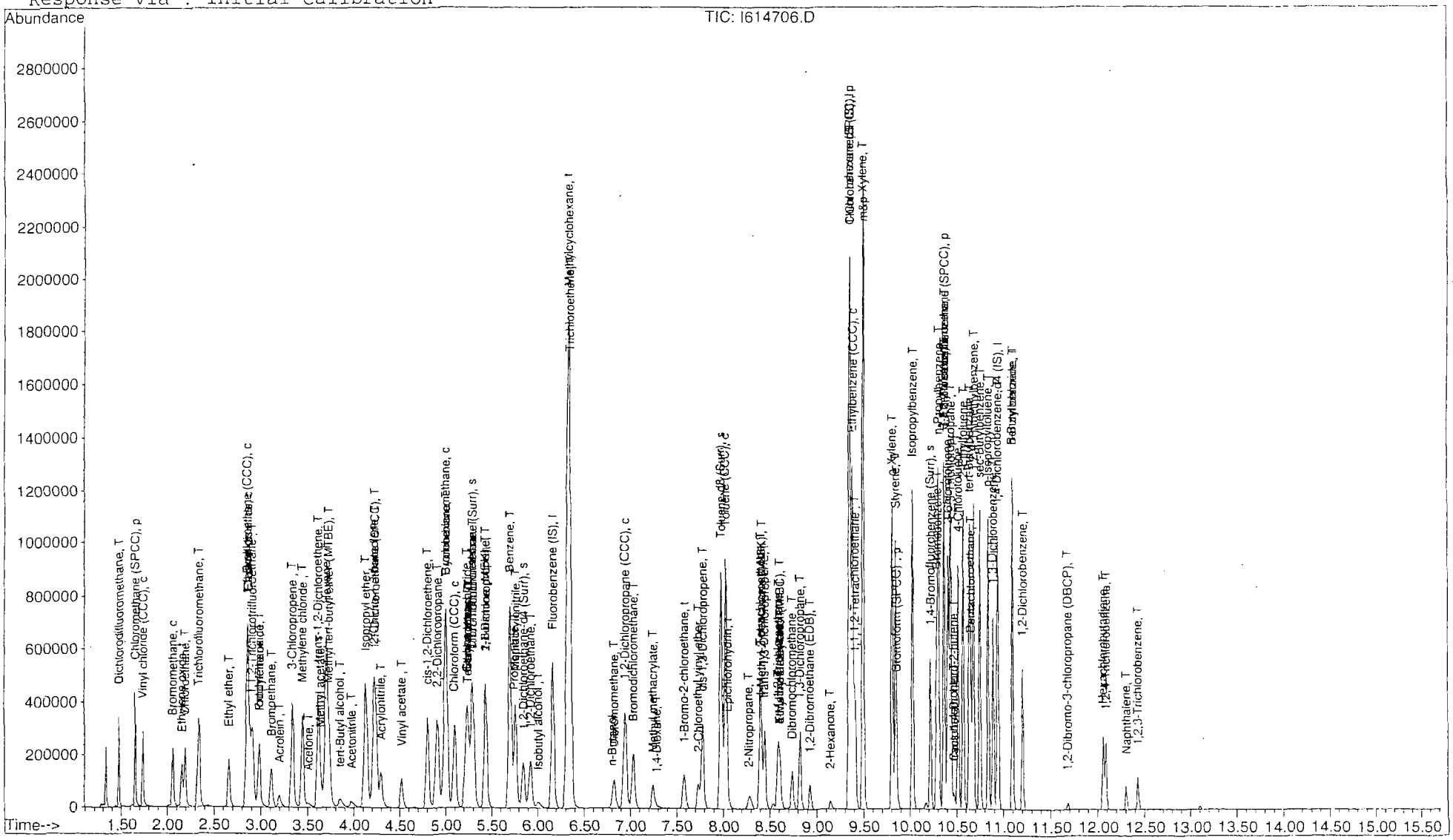
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614706.D
Acq On : 14 Jun 2007 1:35 pm
Sample : CCV;CCV,i061407
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107

Vial: 6
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



201

Quantitation Report (QT Reviewed) 6-15-7 77

Data File : H:\MSI.I\I061407.B\I614707.D
Acq On : 14 Jun 2007 2:35 pm
Sample : LCS,LCS,i061407
Misc : 1,1, 07MSV0444,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107

Vial: 7
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-14-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	604528	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	107958	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	114014	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	140162	16.9506 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.50%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	80955	17.7031 PPB	-0.04
Spiked Amount 16.700			Recovery	= 105.99%	
64) Toluene-d8 (Surr)	7.97	98	658166	18.5805 PPB	-0.02
Spiked Amount 16.700			Recovery	= 111.26%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	183111	17.6614 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.75%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	192168	12.2264 PPB	S	98
3) Chloromethane (SPCC)	1.66	50	270495	18.2529 PPB	S	98
4) Vinyl chloride (CCC)	1.73	62	199120	19.5581 PPB	S	99
5) Bromomethane	2.06	94	109363	22.9053 PPB	S	99
6) Ethylene oxide	2.15	44	174011	325.8262 PPB	S	99
7) Chloroethane	2.19	64	180650	20.6528 PPB	S	97
8) Trichlorofluoromethane	2.34	101	302403	17.8897 PPB	S	92
9) Ethyl ether	2.66	59	114084	20.1718 PPB	S	92
10) Ethanol	2.85	45	10136	548.8675 PPB	S	94
11) 1,1-Dichloroethene (CCC)	2.85	96	163935	17.8315 PPB	S	85
12) Carbon disulfide	2.87	76	581985	20.9768 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.90	101	178103	17.4087 PPB		97
14) Propylene oxide	2.98	58	82532	98.7065 PPB	#	96
15) Iodomethane	2.99	142	182112	20.9565 PPB		97
16) Bromoethane	3.12	108	122942	18.8998 PPB		100
17) Acrolein	3.20	56	48152	130.6294 PPB		98
18) 3-Chloropropene	3.34	41	322300	25.9773 PPB		94
19) Methylene chloride	3.44	84	166793	18.0970 PPB	#	70
20) Acetone	3.50	43	17715	23.4903 PPB		93
21) trans-1,2-Dichloroethene	3.61	96	177821	16.8507 PPB		88
22) Methyl acetate	3.64	74	32540	43.1157 PPB	#	100
23) Hexane	3.70	86	72516	17.3481 PPB	#	65
24) Methyl tert-butyl ether (M	3.73	73	296422	18.8497 PPB	#	72
25) tert-Butyl alcohol	3.85	59	76797	375.1259 PPB	#	61
26) Acetonitrile	3.97	40	19516	121.0393 PPB	#	100
27) Isopropyl ether	4.13	45	617443	22.9093 PPB		94
28) 2-Chloro-1,3-butadiene	4.22	88	141815	17.9182 PPB	#	77
29) 1,1-Dichloroethane (SPCC)	4.24	63	400880	20.3273 PPB		99
30) Acrylonitrile	4.30	53	140129	103.7965 PPB	#	99
31) Vinyl acetate	4.52	43	207404	24.4547 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	176213	16.8464 PPB		88
33) 2,2-Dichloropropane	4.91	77	293540	20.2641 PPB	#	100
34) Cyclohexane	5.00	56	412755	15.6824 PPB		94
35) Bromochloromethane	5.01	130	70302	16.4579 PPB	#	64
37) Chloroform (CCC)	5.10	83	312404	18.6463 PPB	#	85
38) Carbon tetrachloride	5.23	117	221026	19.0623 PPB		99
40) Ethyl acetate	5.24	43	337429	98.8743 PPB		74
41) Tetrahydrofuran	5.25	42	41694	26.6122 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	279250	19.2569 PPB		97
44) 1,1-Dichloropropene	5.43	75	295696	19.2955 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.43	43	26980	20.4002	PPB		97
46)	Benzene	5.70	78	854218	18.5211	PPB		97
48)	Propionitrile	5.74	54	41654	114.7590	PPB	#	1
49)	Methacrylonitrile	5.76	67	167260	98.0719	PPB	#	73
51)	1,2-Dichloroethane	5.92	62	185496	19.2543	PPB		98
52)	Isobutyl alcohol	6.00	43	30254	405.8356	PPB		94
53)	Methylcyclohexane	6.33	83	981105	49.2813	PPB		90
54)	Trichloroethene	6.35	130	183604	17.1708	PPB		95
55)	Dibromomethane	6.83	93	54646	16.3146	PPB		96
56)	n-Butanol	6.79	56	28260	717.8932	ug/L		84
57)	1,2-Dichloropropane (CCC)	6.95	63	191015	19.6654	PPB		89
58)	Bromodichloromethane	7.03	83	194497	18.9425	PPB		98
59)	1,4-Dioxane	7.29	88	7401	372.5305	PPB		81
60)	Methyl methacrylate	7.24	69	49589	16.4909	PPB		79
61)	1-Bromo-2-chloroethane	7.58	63	169170	18.8051	PPB		92
62)	cis-1,3-Dichloropropene	7.78	75	248518	19.8593	PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	54579	25.9375	PPB		93
66)	Toluene (CCC)	8.03	91	798705	18.7988	PPB		98
67)	Epichlorohydrin	8.05	57	22523	84.0155	PPB	#	41
68)	2-Nitropropane	8.27	43	9709	18.1502	PPB	#	100
69)	Tetrachloroethene	8.40	164	126117	14.8490	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	50811	19.1120	PPB	#	86
71)	trans-1,3-Dichloropropene	8.45	75	175436	20.3425	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	84705	17.3933	PPB		94
73)	4-Methyl-2-pentanol (MIBC)	8.53	45	18286	82.4590	PPB	#	100
74)	Ethyl methacrylate	8.61	69	96083	16.2964	PPB		86
75)	Dibromochloromethane	8.74	129	83660	18.3523	PPB		99
76)	1,3-Dichloropropane	8.82	76	183075	18.5468	PPB		89
77)	1,2-Dibromoethane (EDB)	8.93	107	71339	17.4644	PPB		99
78)	2-Hexanone	9.14	43	26522	18.5274	PPB		78
79)	Chlorobenzene (SPCC)	9.35	112	423230	17.3356	PPB		94
80)	1-Chlorohexane	9.35	55	202939	20.4209	PPB		94
81)	Ethylbenzene (CCC)	9.38	106	255475	18.0114	PPB		76
82)	1,1,1,2-Tetrachloroethane	9.41	131	123169	18.0474	PPB	#	1
83)	m&p-Xylene	9.49	106	651122	38.0192	PPB		95
84)	o-Xylene	9.80	106	288386	18.7406	PPB		95
85)	Bromoform (SPCC)	9.86	173	31589	17.3055	PPB		98
86)	Styrene	9.84	104	416778	19.4455	PPB		96
87)	Isopropylbenzene	10.02	105	734034	18.4944	PPB		97
88)	Bromobenzene	10.29	156	120988	16.8630	PPB	#	85
89)	n-Propylbenzene	10.30	120	189239	17.8851	PPB	#	81
90)	1,1,2,2-Tetrachloroethane	10.36	83	68353	16.9569	PPB		98
93)	2-Chlorotoluene	10.41	126	148127	18.1831	PPB	#	85
94)	Cyclohexanone	10.47	42	4540	138.5640	PPB	#	76
95)	1,2,3-Trichloropropane	10.44	110	21980	17.4150	PPB		96
96)	trans-1,4-Dichloro-2-buten	10.47	89	3802	15.1750	PPB	#	1
97)	3-Ethyltoluene	10.36	105	650940	19.7830	PPB	#	97
98)	4-Chlorotoluene	10.52	126	147148	18.0892	PPB	#	85
99)	1,3,5-Trimethylbenzene	10.36	105	650986	22.6272	PPB		77
100)	2-Ethyltoluene	10.57	105	648188	19.7541	PPB	#	96
101)	tert-Butylbenzene	10.64	91	316322	19.2800	PPB		93
102)	Pentachloroethane	10.66	167	55726	22.8621	PPB	#	89
103)	1,2,4-Trimethylbenzene	10.68	105	526734	19.2749	PPB		97
104)	sec-Butylbenzene	10.75	105	685064	18.3609	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	555895	18.9419	PPB	#	70

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

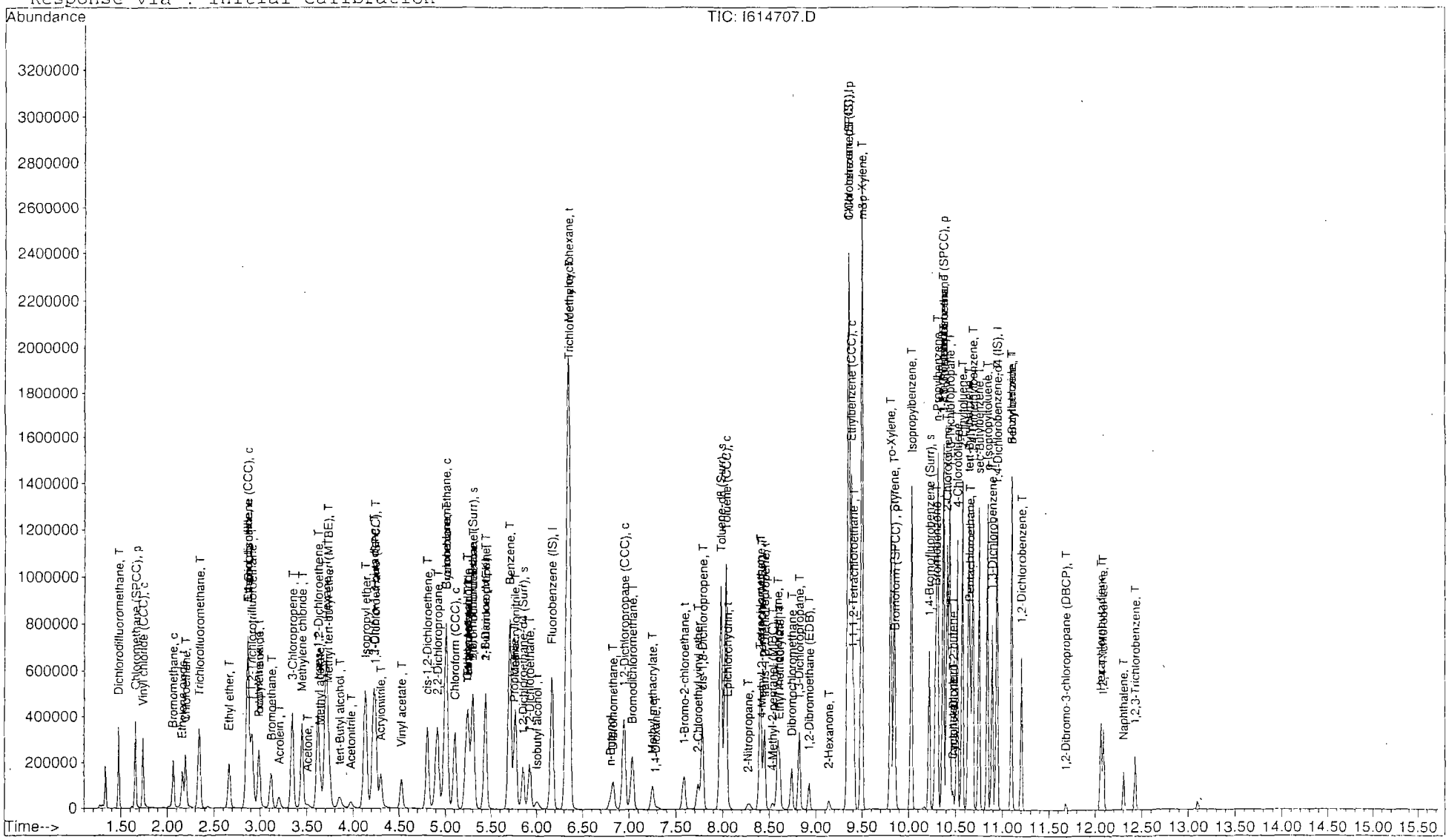
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
106) 1,3-Dichlorobenzene	10.89	146	231303	17.3291	PPB		99
107) 1,4-Dichlorobenzene	10.95	146	223967	16.7868	PPB	#	99
108) Benzyl chloride	11.10	126	17134	15.4897	PPB	#	1
109) n-Butylbenzene	11.09	134	122627	18.0281	PPB	#	86
110) 1,2-Dichlorobenzene	11.20	146	174982	16.9830	PPB		99
112) 1,2-Dibromo-3-chloropropan	11.68	157	4908	15.1186	PPB	#	1
113) Hexachlorobutadiene	12.06	225	56246	17.5671	PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	81237	17.6175	PPB		99
115) Naphthalene	12.30	128	93964	15.3053	PPB		99
116) 1,2,3-Trichlorobenzene	12.43	180	54199	17.8584	PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

6-15-2007

Data File : H:\MSI.I\I061407.B\I614708.D
Acq On : 14 Jun 2007 3:00 pm
Sample : LCS,LCS,i061407
Misc : 1,1, 07MSV0444,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107

Vial: 8
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

RW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	603995	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	107780	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	113610	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	137774	16.6765 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.88%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	77717	17.0100 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.86%	
64) Toluene-d8 (Surr)	7.97	98	647391	18.2925 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.52%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	181151	17.5012 PPB	-0.02
Spiked Amount 16.700			Recovery	= 104.79%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	195637	12.4581 PPB	S	98
3) Chloromethane (SPCC)	1.66	50	290310	19.6073 PPB	S	99
4) Vinyl chloride (CCC)	1.73	62	208572	20.5045 PPB	S	99
5) Bromomethane	2.06	94	119952	25.1453 PPB	S	99
6) Ethylene oxide	2.15	44	177025	331.7623 PPB	S	99
7) Chloroethane	2.19	64	193115	22.0974 PPB	S	98
8) Trichlorofluoromethane	2.34	101	317877	18.8217 PPB	S	96
9) Ethyl ether	2.66	59	122850	21.7409 PPB	S	93
10) Ethanol	2.84	45	11353	615.3109 PPB	S	92
11) 1,1-Dichloroethene (CCC)	2.85	96	177281	19.3001 PPB	S	85
12) Carbon disulfide	2.87	76	593436	21.4084 PPB	S	97
13) 1,1,2-Trichlorotrifluoroet	2.90	101	185335	18.1316 PPB		97
14) Propylene oxide	2.98	58	87372	104.5873 PPB	#	94
15) Iodomethane	2.99	142	195986	22.5729 PPB		96
16) Bromoethane	3.11	108	132501	20.3873 PPB		100
17) Acrolein	3.20	56	49785	135.1787 PPB		98
18) 3-Chloropropene	3.34	41	349053	28.1584 PPB		94
19) Methylene chloride	3.44	84	177679	19.2951 PPB	#	70
20) Acetone	3.51	43	19306	25.6226 PPB		90
21) trans-1,2-Dichloroethene	3.61	96	189439	17.9675 PPB		87
22) Methyl acetate	3.64	74	34551	45.8207 PPB	#	100
23) Hexane	3.70	86	72899	17.4551 PPB	#	63
24) Methyl tert-butyl ether (M	3.73	73	320809	20.4185 PPB		80
25) tert-Butyl alcohol	3.85	59	87016	417.1174 PPB	#	68
26) Acetonitrile	3.97	40	20155	125.1127 PPB	#	100
27) Isopropyl ether	4.13	45	676403	25.1191 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	153156	19.3682 PPB	#	79
29) 1,1-Dichloroethane (SPCC)	4.24	63	432224	21.9360 PPB		98
30) Acrylonitrile	4.29	53	148498	110.0927 PPB	#	98
31) Vinyl acetate	4.52	43	223858	26.4180 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	189281	18.1117 PPB		88
33) 2,2-Dichloropropane	4.91	77	317702	21.9514 PPB	#	100
34) Cyclohexane	5.00	56	437032	16.6195 PPB		94
35) Bromochloromethane	5.01	130	75192	17.6182 PPB	#	67
37) Chloroform (CCC)	5.10	83	336156	20.0816 PPB	#	86
38) Carbon tetrachloride	5.23	117	238145	20.5568 PPB		98
40) Ethyl acetate	5.24	43	362077	105.4778 PPB		74
41) Tetrahydrofuran	5.25	42	44845	28.6487 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	302528	20.8805 PPB		97
44) 1,1-Dichloropropene	5.43	75	314297	20.5274 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614708.D Vial: 8
Acq On : 14 Jun 2007 3:00 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.43	43	28813	21.8054	PPB		98
46)	Benzene	5.70	78	924556	20.0638	PPB		98
48)	Propionitrile	5.74	54	45957	126.7257	PPB	#	31
49)	Methacrylonitrile	5.76	67	175140	102.7829	PPB	#	74
51)	1,2-Dichloroethane	5.92	62	194916	20.2499	PPB		98
52)	Isobutyl alcohol	6.00	43	34590	445.8605	PPB		95
53)	Methylcyclohexane	6.33	83	1014875	51.0225	PPB		89
54)	Trichloroethene	6.35	130	196180	18.3631	PPB		96
55)	Dibromomethane	6.82	93	57433	17.1618	PPB		96
56)	n-Butanol	6.79	56	33502	823.3255	ug/L	#	86
57)	1,2-Dichloropropane (CCC)	6.95	63	208121	21.4454	PPB		89
58)	Bromodichloromethane	7.03	83	209694	20.4406	PPB		98
59)	1,4-Dioxane	7.29	88	8309	418.6039	PPB		87
60)	Methyl methacrylate	7.24	69	52005	17.1812	PPB		79
61)	1-Bromo-2-chloroethane	7.58	63	180593	20.0926	PPB		92
62)	cis-1,3-Dichloropropene	7.78	75	268667	21.4884	PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	59984	28.2165	PPB		92
66)	Toluene (CCC)	8.03	91	859759	20.2692	PPB		98
67)	Epichlorohydrin	8.05	57	24150	90.2333	PPB	#	58
68)	2-Nitropropane	8.27	43	10480	19.3826	PPB	#	100
69)	Tetrachloroethene	8.40	164	132840	15.6664	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	56280	20.8735	PPB		86
71)	trans-1,3-Dichloropropene	8.45	75	190020	22.0700	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	90143	18.5405	PPB		95
73)	4-Methyl-2-pentanol (MIBC)	8.53	45	21821	94.5634	PPB	#	100
74)	Ethyl methacrylate	8.61	69	106438	17.7820	PPB		88
75)	Dibromochloromethane	8.74	129	90783	19.9478	PPB		99
76)	1,3-Dichloropropane	8.82	76	196207	19.9099	PPB		90
77)	1,2-Dibromoethane (EDB)	8.93	107	75770	18.5798	PPB		99
78)	2-Hexanone	9.14	43	29548	20.0594	PPB	#	78
79)	Chlorobenzene (SPCC)	9.35	112	455148	18.6737	PPB		94
80)	1-Chlorohexane	9.35	55	209831	21.1493	PPB		93
81)	Ethylbenzene (CCC)	9.38	106	273333	19.3022	PPB		75
82)	1,1,1,2-Tetrachloroethane	9.41	131	132878	19.5022	PPB	#	1
83)	m&p-Xylene	9.49	106	697761	40.8097	PPB		95
84)	o-Xylene	9.80	106	308346	20.0708	PPB		94
85)	Bromoform (SPCC)	9.86	173	34020	18.6681	PPB		98
86)	Styrene	9.84	104	446597	20.8712	PPB		96
87)	Isopropylbenzene	10.02	105	783886	19.7830	PPB		97
88)	Bromobenzene	10.28	156	128350	17.9187	PPB	#	85
89)	n-Propylbenzene	10.30	120	199598	18.8953	PPB	#	83
90)	1,1,2,2-Tetrachloroethane	10.36	83	72346	17.9771	PPB		97
93)	2-Chlorotoluene	10.41	126	158149	19.4823	PPB	#	86
94)	Cyclohexanone	10.47	42	5638	167.5511	PPB	#	70
95)	1,2,3-Trichloropropane	10.44	110	22822	18.1464	PPB	#	77
96)	trans-1,4-Dichloro-2-buten	10.47	89	4333	16.9345	PPB	#	1
97)	3-Ethyltoluene	10.36	105	687549	20.9699	PPB	#	97
98)	4-Chlorotoluene	10.52	126	155841	19.2260	PPB	#	85
99)	1,3,5-Trimethylbenzene	10.43	105	588113	20.5145	PPB		97
100)	2-Ethyltoluene	10.57	105	690279	21.1117	PPB	#	96
101)	tert-Butylbenzene	10.64	91	338339	20.6953	PPB		92
102)	Pentachloroethane	10.66	167	60126	24.7549	PPB	#	86
103)	1,2,4-Trimethylbenzene	10.68	105	557914	20.4884	PPB		97
104)	sec-Butylbenzene	10.75	105	723567	19.4618	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	583053	19.9379	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614708.D Vial: 8
Acq On : 14 Jun 2007 3:00 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

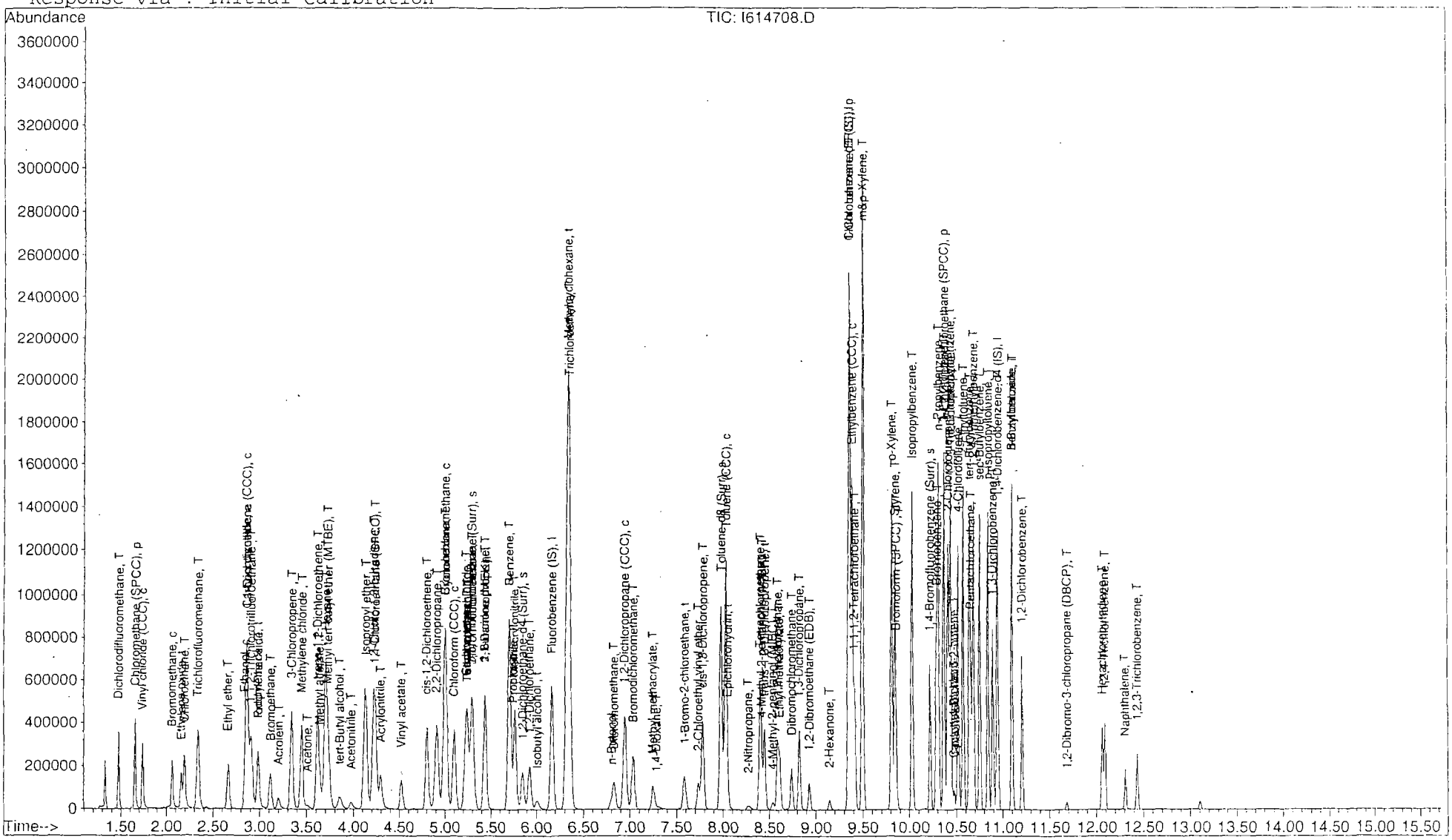
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
106) 1,3-Dichlorobenzene	10.89	146	242150	18.2062	PPB	#	63
107) 1,4-Dichlorobenzene	10.95	146	236604	17.7971	PPB	#	16
108) Benzyl chloride	11.10	126	18296	16.3082	PPB	#	1
109) n-Butylbenzene	11.09	134	130119	19.1975	PPB		87
110) 1,2-Dichlorobenzene	11.20	146	187457	18.2584	PPB		99
112) 1,2-Dibromo-3-chloropropan	11.68	157	5302	15.9990	PPB	#	1
113) Hexachlorobutadiene	12.06	225	57503	18.0236	PPB		99
114) 1,2,4-Trichlorobenzene	12.08	180	86219	18.7644	PPB		100
115) Naphthalene	12.30	128	103228	16.5318	PPB		100
116) 1,2,3-Trichlorobenzene	12.43	180	59116	19.5478	PPB		100

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614708.D Vial: 8
Acq On : 14 Jun 2007 3:00 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,10 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

QJ 6-18-07 Only worked up: Target Analytes

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	617588	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	110318	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	117430	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	144163	17.0657 PPB	-0.04
Spiked Amount 16.700			Recovery = 102.22%		
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	81415	17.4272 PPB	-0.04
Spiked Amount 16.700			Recovery = 104.37%		
64) Toluene-d8 (Surr)	7.98	98	672148	18.5740 PPB	-0.01
Spiked Amount 16.700			Recovery = 111.20%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	188496	17.7918 PPB	-0.02
Spiked Amount 16.700			Recovery = 106.53%		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	182159	11.3445 PPB		99
3) Chloromethane (SPCC)	1.65	50	273688	18.0778 PPB		99
4) Vinyl chloride (CCC)	1.74	62	201801	19.4022 PPB		99
5) Bromomethane	2.06	94	116568	23.8981 PPB		100
6) Ethylene oxide	2.16	44	176540	323.5713 PPB		99
7) Chloroethane	2.19	64	187748	21.0104 PPB		98
8) Trichlorofluoromethane	2.34	101	313798	18.1713 PPB		96
9) Ethyl ether	2.66	59	119344	20.6556 PPB		93
10) Ethanol	2.83	45	10864	575.8485 PPB		93
11) 1,1-Dichloroethene (CCC)	2.85	96	179634	19.1259 PPB		86
12) Carbon disulfide	2.86	76	604214	21.3175 PPB		97
13) 1,1,2-Trichlorotrifluoroet	2.91	101	190070	18.1856 PPB		98
14) Propylene oxide	2.98	58	87163	102.0407 PPB	#	97
15) Iodomethane	2.99	142	188643	21.2490 PPB		96
16) Bromoethane	3.11	108	129783	19.5295 PPB		100
17) Acrolein	3.20	56	49892	132.4876 PPB		99
18) 3-Chloropropene	3.34	41	334801	26.4142 PPB		94
19) Methylene chloride	3.45	84	659018	69.9913 PPB	#	79
20) Acetone	3.51	43	18864	24.4849 PPB		97
21) trans-1,2-Dichloroethene	3.61	96	189264	17.5558 PPB		89
22) Methyl acetate	3.64	74	34712	45.0210 PPB	#	100
23) Hexane	3.70	86	80235	18.7889 PPB	#	74
24) Methyl tert-butyl ether (M	3.73	73	314874	19.5996 PPB	#	73
25) tert-Butyl alcohol	3.85	59	85023	401.3427 PPB	#	69
26) Acetonitrile	3.98	40	20549	124.7509 PPB	#	100
27) Isopropyl ether	4.13	45	651023	23.6444 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	151281	18.7100 PPB	#	80
29) 1,1-Dichloroethane (SPCC)	4.24	63	437859	21.7328 PPB		99
30) Acrylonitrile	4.30	53	146169	105.9809 PPB		99
31) Vinyl acetate	4.52	43	220893	25.4944 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	189752	17.7571 PPB		89
33) 2,2-Dichloropropane	4.91	77	313617	21.1922 PPB	#	100
34) Cyclohexane	5.00	56	434806	16.1709 PPB		94
35) Bromochloromethane	5.01	130	75446	17.2886 PPB	#	70

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Chloroform (CCC)	5.10	83	325590	19.0223	PPB	#	83
38) Carbon tetrachloride	5.22	117	234654	19.8096	PPB		96
40) Ethyl acetate	5.24	43	354685	101.4630	PPB	#	51
41) Tetrahydrofuran	5.25	42	43791	27.3596	PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	422687	28.5318	PPB		99
44) 1,1-Dichloropropene	5.44	75	312899	19.9863	PPB		89
45) 2-Butanone (MEK)	5.44	43	28870	21.3676	PPB		96
46) Benzene	5.70	78	915889	19.4383	PPB		97
48) Propionitrile	5.74	54	44778	120.7570	PPB	#	1
49) Methacrylonitrile	5.76	67	176460	101.2783	PPB	#	73
51) 1,2-Dichloroethane	5.93	62	338951	34.4387	PPB		99
52) Isobutyl alcohol	6.00	43	33994	433.5283	PPB		96
53) Methylcyclohexane	6.33	83	1090103	53.5984	PPB		91
54) Trichloroethene	6.35	130	237188	21.7129	PPB		96
55) Dibromomethane	6.83	93	57096	16.6856	PPB		96
56) n-Butanol	6.79	56	32008	779.6140	ug/L		83
57) 1,2-Dichloropropane (CCC)	6.94	63	206960	20.8564	PPB		90
58) Bromodichloromethane	7.04	83	203318	19.3828	PPB		98
59) 1,4-Dioxane	7.28	88	8481	417.8650	PPB		86
60) Methyl methacrylate	7.25	69	52611	17.0263	PPB		82
61) 1-Bromo-2-chloroethane	7.58	63	177740	19.3400	PPB		92
62) cis-1,3-Dichloropropene	7.78	75	262563	20.5379	PPB		92
63) 2-Chloroethyl vinyl ether	7.73	63	59501	27.4673	PPB		93
66) Toluene (CCC)	8.03	91	845764	19.4805	PPB		98
67) Epichlorohydrin	8.06	57	24354	88.9020	PPB	#	46
68) 2-Nitropropane	8.27	43	10315	18.7549	PPB	#	100
69) Tetrachloroethene	8.40	164	139020	16.0180	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.42	43	53911	19.7285	PPB	#	87
71) trans-1,3-Dichloropropene	8.45	75	186767	21.1931	PPB		93
72) 1,1,2-Trichloroethane	8.59	97	89145	17.9134	PPB		95
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	20781	89.4806	PPB	#	100
74) Ethyl methacrylate	8.61	69	103327	17.0065	PPB		88
75) Dibromochloromethane	8.74	129	89019	19.1102	PPB		99
76) 1,3-Dichloropropane	8.82	76	192466	19.0810	PPB		91
77) 1,2-Dibromoethane (EDB)	8.93	107	75871	18.1765	PPB		100
78) 2-Hexanone	9.14	43	29510	19.7016	PPB		83
79) Chlorobenzene (SPCC)	9.35	112	446766	17.9081	PPB		94
80) 1-Chlorohexane	9.35	55	212861	20.9611	PPB		92
81) Ethylbenzene (CCC)	9.38	106	269315	18.5809	PPB		77
82) 1,1,1,2-Tetrachloroethane	9.41	131	129712	18.5996	PPB	#	1
83) m&p-Xylene	9.49	106	686726	39.2403	PPB		95
84) o-Xylene	9.80	106	303935	19.3285	PPB		95
85) Bromoform (SPCC)	9.86	173	33303	17.8542	PPB		99
86) Styrene	9.85	104	437985	19.9978	PPB		97
87) Isopropylbenzene	10.03	105	779018	19.2079	PPB		97
88) Bromobenzene	10.29	156	126738	17.2866	PPB	#	53
89) n-Propylbenzene	10.31	120	200127	18.5095	PPB	#	86
90) 1,1,2,2-Tetrachloroethane	10.36	83	71356	17.3232	PPB		99
93) 2-Chlorotoluene	10.41	126	155421	18.5234	PPB	#	86

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,10 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
94)	Cyclohexanone	10.48	42	5290	154.0192	PPB	#	78
95)	1,2,3-Trichloropropane	10.45	110	26358	20.2762	PPB	#	75
96)	trans-1,4-Dichloro-2-buten	10.47	89	4617	17.3626	PPB	#	1
97)	3-Ethyltoluene	10.37	105	683319	20.1629	PPB	#	97
98)	4-Chlorotoluene	10.51	126	156481	18.6769	PPB		88
99)	1,3,5-Trimethylbenzene	10.43	105	584933	19.7399	PPB		96
100)	2-Ethyltoluene	10.57	105	680781	20.1439	PPB	#	97
101)	tert-Butylbenzene	10.64	91	336311	19.9021	PPB		93
102)	Pentachloroethane	10.66	167	57100	22.7443	PPB	#	95
103)	1,2,4-Trimethylbenzene	10.68	105	552391	19.6257	PPB		97
104)	sec-Butylbenzene	10.75	105	730757	19.0158	PPB		98
105)	p-Isopropyltoluene	10.84	119	587030	19.4209	PPB		97
106)	1,3-Dichlorobenzene	10.89	146	241225m	17.5467	PPB		
107)	1,4-Dichlorobenzene	10.95	146	236668	17.2228	PPB	#	100
108)	Benzyl chloride	11.10	126	19060	16.4045	PPB	#	1
109)	n-Butylbenzene	11.10	134	132971	18.9801	PPB	#	87
110)	1,2-Dichlorobenzene	11.21	146	186133	17.5397	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5107	15.2261	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	60484	18.3412	PPB		99
114)	1,2,4-Trichlorobenzene	12.09	180	85987	18.1052	PPB		99
115)	Naphthalene	12.31	128	102767	16.0456	PPB		100
116)	1,2,3-Trichlorobenzene	12.43	180	59216	18.9439	PPB		99

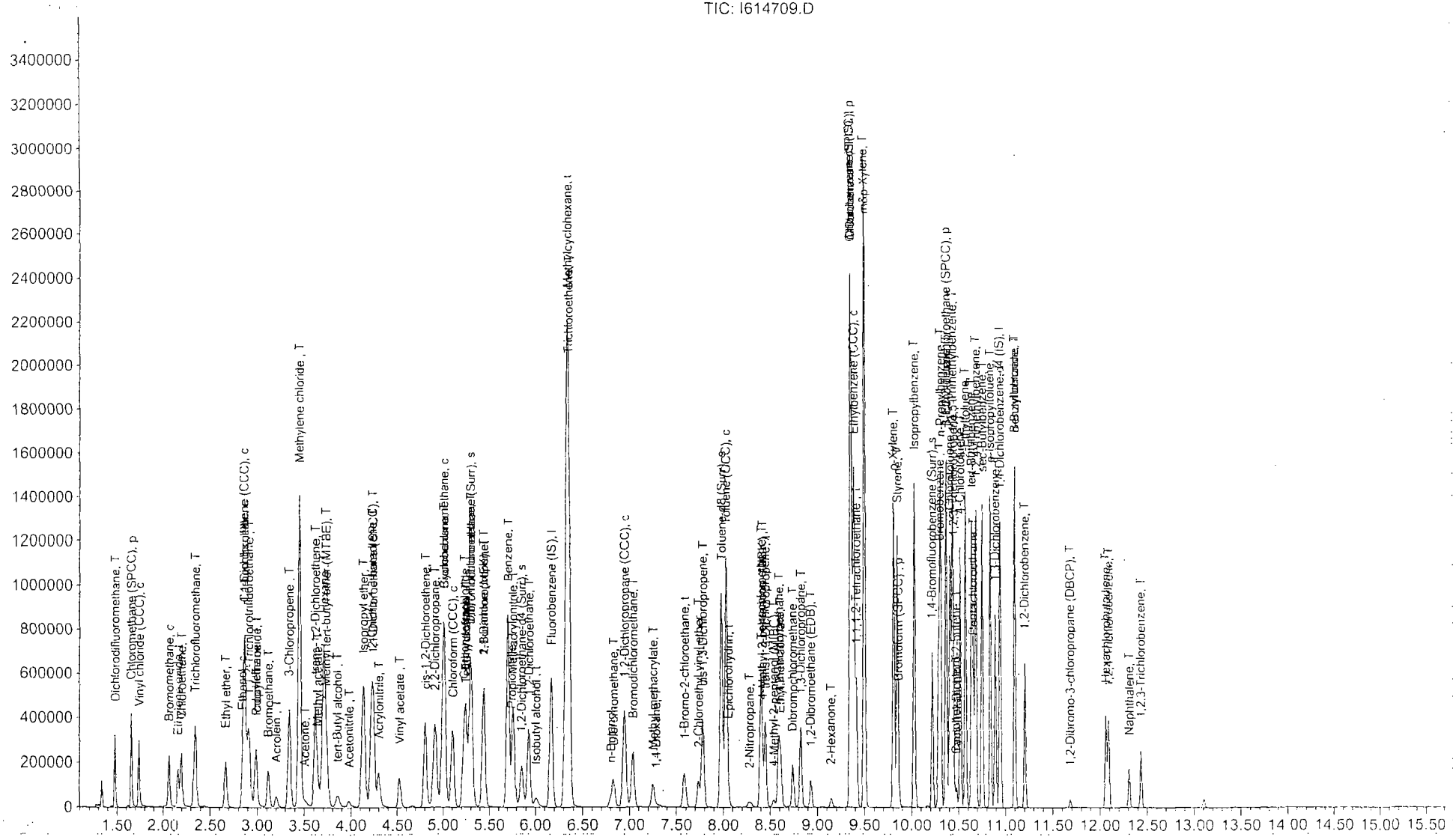
(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration

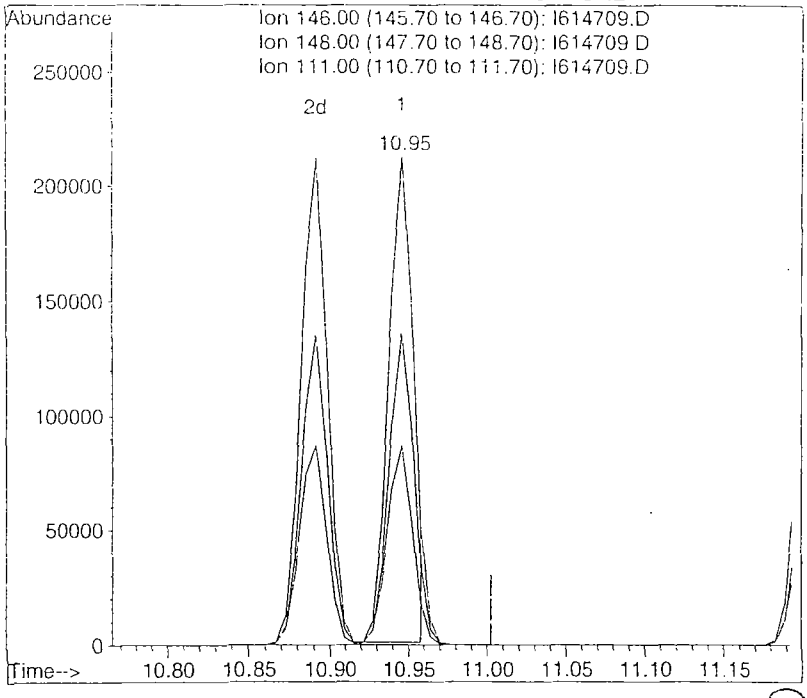
TIC: I614709.D



1,3-Dichlorobenzene I614709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: Fri Jun 15 13:08:29 2007

6-15-07

BEFORE



TIC: I614709.D

(106) 1,3-Dichlorobenzene (T

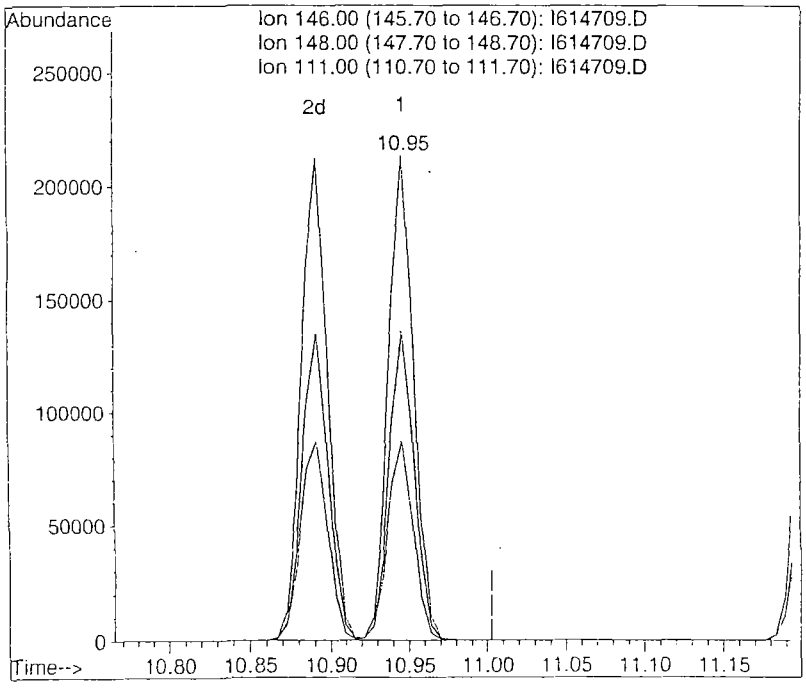
10.95min 16.71PPB

response 229726

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	63.43
111.00	80.30	86.09
0.00	0.00	0.00

DW 6-18-07

AFTER



TIC: I614709.D

(106) 1,3-Dichlorobenzene (T

10.95min 17.25PPB m

response 237078

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	61.46
111.00	80.30	83.42
0.00	0.00	0.00

1,3-Dichlorobenzene G-12M I614709.D

REASON FOR MANUAL INTEGRATION:

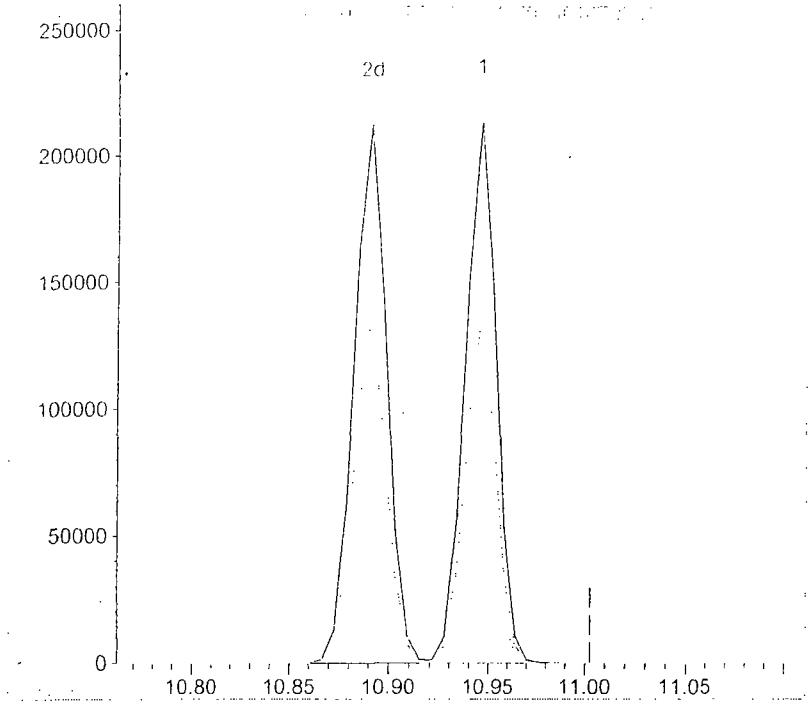
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER

ANALYST: BDW Mon Jun 18 09:44:26 2007

wrong peak DW 6-18-07

BEFORE

Ion 146.00 (145.70 to 146.70): I614709.D



TIC. I614709.D

(106) 1,3-Dichlorobenzene (T

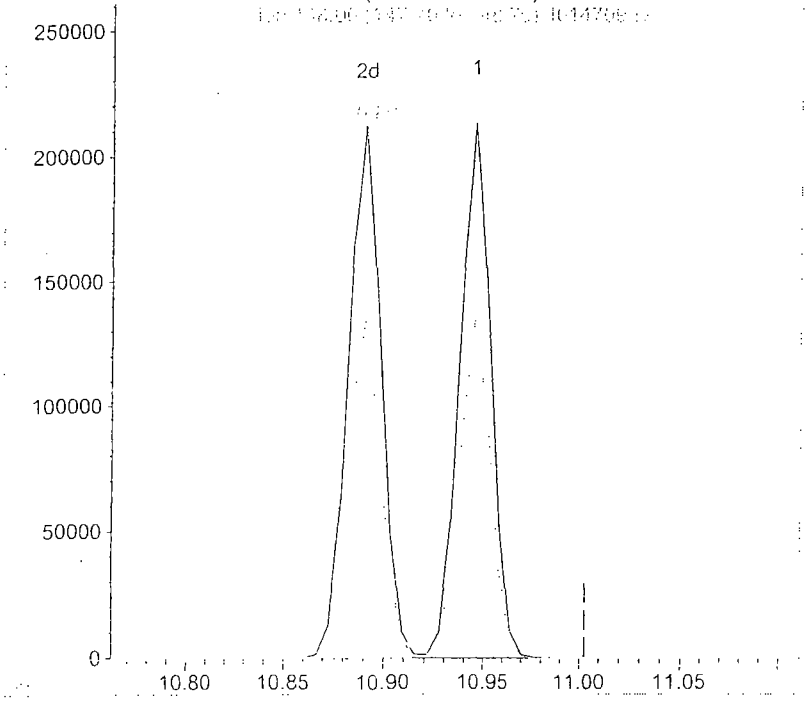
10.95min 17.25PPB m

response 237078

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	61.46
111.00	80.30	83.42
0.00	0.00	0.00

AFTER

Ion 146.00 (145.70 to 146.70): I614709.D



TIC: I614709.D

(106) 1,3-Dichlorobenzene (T

10.89min 17.55PPB m

response 241225

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	60.40
111.00	80.30	81.98
0.00	0.00	0.00

Quantitation Report (QT Reviewed) 6-15-7m

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07 "Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	616603	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	109543	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	116520	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	140883	16.7041 PPB	-0.04
Spiked Amount 16.700			Recovery	= 100.00%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	78916	16.9192 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.32%	
64) Toluene-d8 (Surr)	7.97	98	662981	18.3499 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.88%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	185273	17.6113 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.45%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	180538	11.2615 PPB	S	99
3) Chloromethane (SPCC)	1.65	50	284782	18.8407 PPB	S	99
4) Vinyl chloride (CCC)	1.74	62	206442	19.8802 PPB	S	99
5) Bromomethane	2.06	94	123246	25.3075 PPB	S	99
6) Ethylene oxide	2.15	44	179110	328.8062 PPB	S	98
7) Chloroethane	2.19	64	195219	21.8814 PPB	S	97
8) Trichlorofluoromethane	2.34	101	319890	18.5536 PPB	S	92
9) Ethyl ether	2.66	59	124228	21.5352 PPB	S	93
10) Ethanol	2.83	45	11552	613.2943 PPB	S	87
11) 1,1-Dichloroethene (CCC)	2.85	96	183285	19.5458 PPB	S	86
12) Carbon disulfide	2.87	76	596386	21.0749 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.90	101	188746	18.0877 PPB		97
14) Propylene oxide	2.98	58	88094	103.2953 PPB	#	95
15) Iodomethane	2.98	142	195637	22.0720 PPB		97
16) Bromoethane	3.12	108	134618	20.2895 PPB		100
17) Acrolein	3.20	56	50991	135.6222 PPB		99
18) 3-Chloropropene	3.34	41	350756	27.7172 PPB		94
19) Methylene chloride	3.44	84	703119	74.7943 PPB	#	78
20) Acetone	3.51	43	24202	31.4637 PPB		96
21) trans-1,2-Dichloroethene	3.61	96	190984	17.7436 PPB		87
22) Methyl acetate	3.64	74	35780	46.4803 PPB	#	100
23) Hexane	3.70	86	76909	18.0388 PPB	#	68
24) Methyl tert-butyl ether (M	3.73	73	326317	20.3444 PPB		79
25) tert-Butyl alcohol	3.85	59	92967	433.6501 PPB	#	73
26) Acetonitrile	3.97	40	20616	125.3576 PPB	#	100
27) Isopropyl ether	4.13	45	680039	24.7377 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	155170	19.2216 PPB	#	80
29) 1,1-Dichloroethane (SPCC)	4.24	63	457382	22.7381 PPB		99
30) Acrylonitrile	4.30	53	147948	107.4422 PPB	#	99
31) Vinyl acetate	4.52	43	229897	26.5760 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	196124	18.3828 PPB		89
33) 2,2-Dichloropropane	4.91	77	328109	22.2069 PPB	#	100
34) Cyclohexane	5.00	56	444116	16.5435 PPB		94
35) Bromochloromethane	5.01	130	77400	17.7647 PPB	#	69
37) Chloroform (CCC)	5.10	83	336856	19.7120 PPB	#	83
38) Carbon tetrachloride	5.23	117	241101	20.3864 PPB		96
40) Ethyl acetate	5.24	43	368068	105.0735 PPB	#	50
41) Tetrahydrofuran	5.25	42	44796	28.0322 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	441877	29.8748 PPB		99
44) 1,1-Dichloropropene	5.43	75	320301	20.4918 PPB		89

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444.451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45) 2-Butanone (MEK)	5.43	43	29827	22.1112	PPB		96
46) Benzene	5.70	78	956009	20.3222	PPB		97
48) Propionitrile	5.74	54	45593	123.1513	PPB	#	1
49) Methacrylonitrile	5.76	67	179835	103.3802	PPB	#	73
51) 1,2-Dichloroethane	5.93	62	355484	36.1762	PPB		99
52) Isobutyl alcohol	6.00	43	36957	460.6434	PPB		95
53) Methylcyclohexane	6.33	83	1093923	53.8721	PPB		90
54) Trichloroethene	6.35	130	245284	22.4899	PPB		96
55) Dibromomethane	6.83	93	58897	17.2394	PPB		96
56) n-Butanol	6.80	56	36131	860.5771	ug/L		85
57) 1,2-Dichloropropane (CCC)	6.94	63	215190	21.7204	PPB		89
58) Bromodichloromethane	7.03	83	212047	20.2473	PPB		98
59) 1,4-Dioxane	7.28	88	8915	439.9502	PPB		88
60) Methyl methacrylate	7.25	69	52598	17.0458	PPB		82
61) 1-Bromo-2-chloroethane	7.58	63	184824	20.1429	PPB		91
62) cis-1,3-Dichloropropene	7.78	75	274533	21.5085	PPB		92
63) 2-Chloroethyl vinyl ether	7.73	63	63164	29.0058	PPB		94
66) Toluene (CCC)	8.03	91	883063	20.4836	PPB		98
67) Epichlorohydrin	8.05	57	25489	93.7035	PPB	#	63
68) 2-Nitropropane	8.27	43	10847	19.6811	PPB	#	100
69) Tetrachloroethene	8.40	164	142872	16.5783	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.42	43	57022	20.8178	PPB	#	87
71) trans-1,3-Dichloropropene	8.45	75	194358	22.2105	PPB		93
72) 1,1,2-Trichloroethane	8.59	97	92349	18.6886	PPB		95
73) 4-Methyl-2-pentanol (MIBC)	8.53	45	22718	96.3189	PPB	#	100
74) Ethyl methacrylate	8.61	69	109548	17.9723	PPB		87
75) Dibromochloromethane	8.74	129	92229	19.9394	PPB		99
76) 1,3-Dichloropropane	8.82	76	199460	19.9143	PPB		90
77) 1,2-Dibromoethane (EDB)	8.93	107	77292	18.6480	PPB		99
78) 2-Hexanone	9.14	43	31062	20.5656	PPB	#	78
79) Chlorobenzene (SPCC)	9.36	112	465728	18.8003	PPB		95
80) 1-Chlorohexane	9.35	55	215374	21.3586	PPB		93
81) Ethylbenzene (CCC)	9.38	106	280216	19.4698	PPB		78
82) 1,1,1,2-Tetrachloroethane	9.41	131	136407	19.6980	PPB	#	1
83) m&p-Xylene	9.50	106	713481	41.0575	PPB		95
84) o-Xylene	9.81	106	316917	20.2967	PPB		95
85) Bromoform (SPCC)	9.86	173	34228	18.4799	PPB		99
86) Styrene	9.84	104	457851	21.0528	PPB		96
87) Isopropylbenzene	10.02	105	808567	20.0775	PPB		97
88) Bromobenzene	10.29	156	132014	18.1336	PPB	#	52
89) n-Propylbenzene	10.30	120	204354	19.0341	PPB	#	82
90) 1,1,2,2-Tetrachloroethane	10.36	83	73147	17.8836	PPB		97
93) 2-Chlorotoluene	10.41	126	160626	19.2933	PPB	#	85
94) Cyclohexanone	10.47	42	5186	152.4208	PPB	#	82
95) 1,2,3-Trichloropropane	10.44	110	27075	20.9905	PPB		94
96) trans-1,4-Dichloro-2-buten	10.47	89	4482	17.0532	PPB	#	1
97) 3-Ethyltoluene	10.36	105	703968	20.9345	PPB	#	97
98) 4-Chlorotoluene	10.52	126	159642	19.2030	PPB	#	85
99) 1,3,5-Trimethylbenzene	10.36	105	703934	23.9414	PPB		77
100) 2-Ethyltoluene	10.57	105	706434	21.0662	PPB	#	96
101) tert-Butylbenzene	10.64	91	345324	20.5950	PPB		93
102) Pentachloroethane	10.66	167	63003	25.2916	PPB	#	83
103) 1,2,4-Trimethylbenzene	10.68	105	569375	20.3871	PPB		97
104) sec-Butylbenzene	10.75	105	744927	19.5359	PPB	#	82
105) p-Isopropyltoluene	10.84	119	602425	20.0859	PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

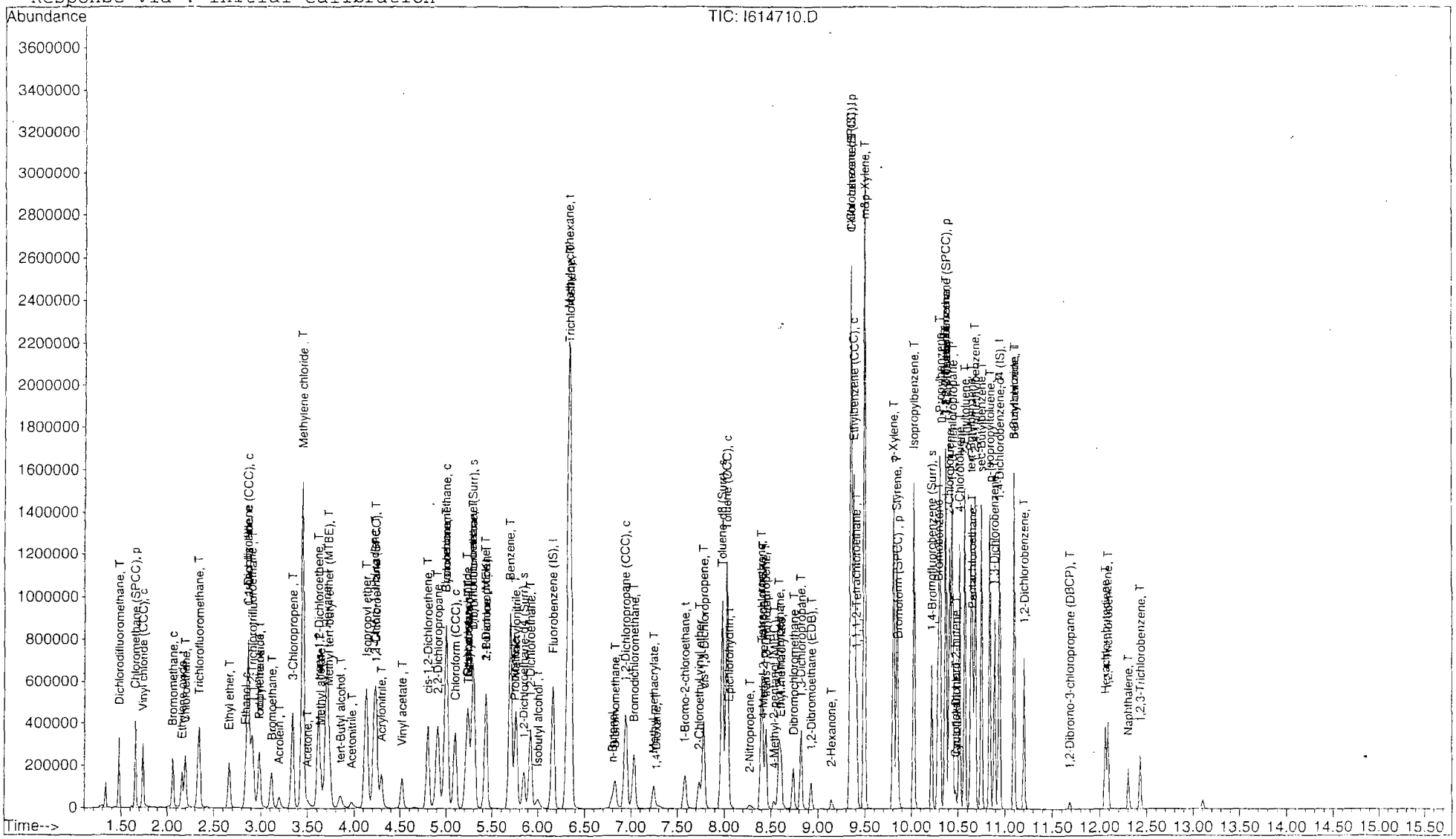
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
106)	1,3-Dichlorobenzene	10.89	146	250023	18.3287 PPB		99
107)	1,4-Dichlorobenzene	10.94	146	243435	17.8536 PPB	#	100
108)	Benzyl chloride	11.10	126	19679	16.9049 PPB	#	1
109)	n-Butylbenzene	11.09	134	134662	19.3716 PPB		88
110)	1,2-Dichlorobenzene	11.20	146	190706	18.1110 PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5273	15.6551 PPB	#	1
113)	Hexachlorobutadiene	12.06	225	58963	18.0197 PPB		99
114)	1,2,4-Trichlorobenzene	12.09	180	88223	18.7211 PPB		100
115)	Naphthalene	12.30	128	108309	16.8355 PPB		99
116)	1,2,3-Trichlorobenzene	12.43	180	61111	19.7028 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

6-15-7m

Data File : H:\MSI.I\I061407.B\I614713.D
Acq On : 14 Jun 2007 6:08 pm
Sample : BLANK;BLANK,i061407
Misc : 1,1, 07MSV0437IS 07MSV0438SUR
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:58 19107

Vial: 13
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

6-18-07

"Only worked up Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	572634	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	97483	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	99844	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	130230	16.6266 PPB	-0.04
Spiked Amount 16.700			Recovery = 99.58%		
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	77452	17.8804 PPB	-0.04
Spiked Amount 16.700			Recovery = 107.07%		
64) Toluene-d8 (Surr)	7.98	98	605786	18.0543 PPB	-0.01
Spiked Amount 16.700			Recovery = 108.08%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	166642	17.8000 PPB	-0.02
Spiked Amount 16.700			Recovery = 106.59%		
Target Compounds					Qvalue
5) Bromomethane	2.06	94	951	0.2103 PPB # S	88 <MDL > OK
83) m&p-Xylene	9.50	106	6425	0.4155 PPB	90 <MDL

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

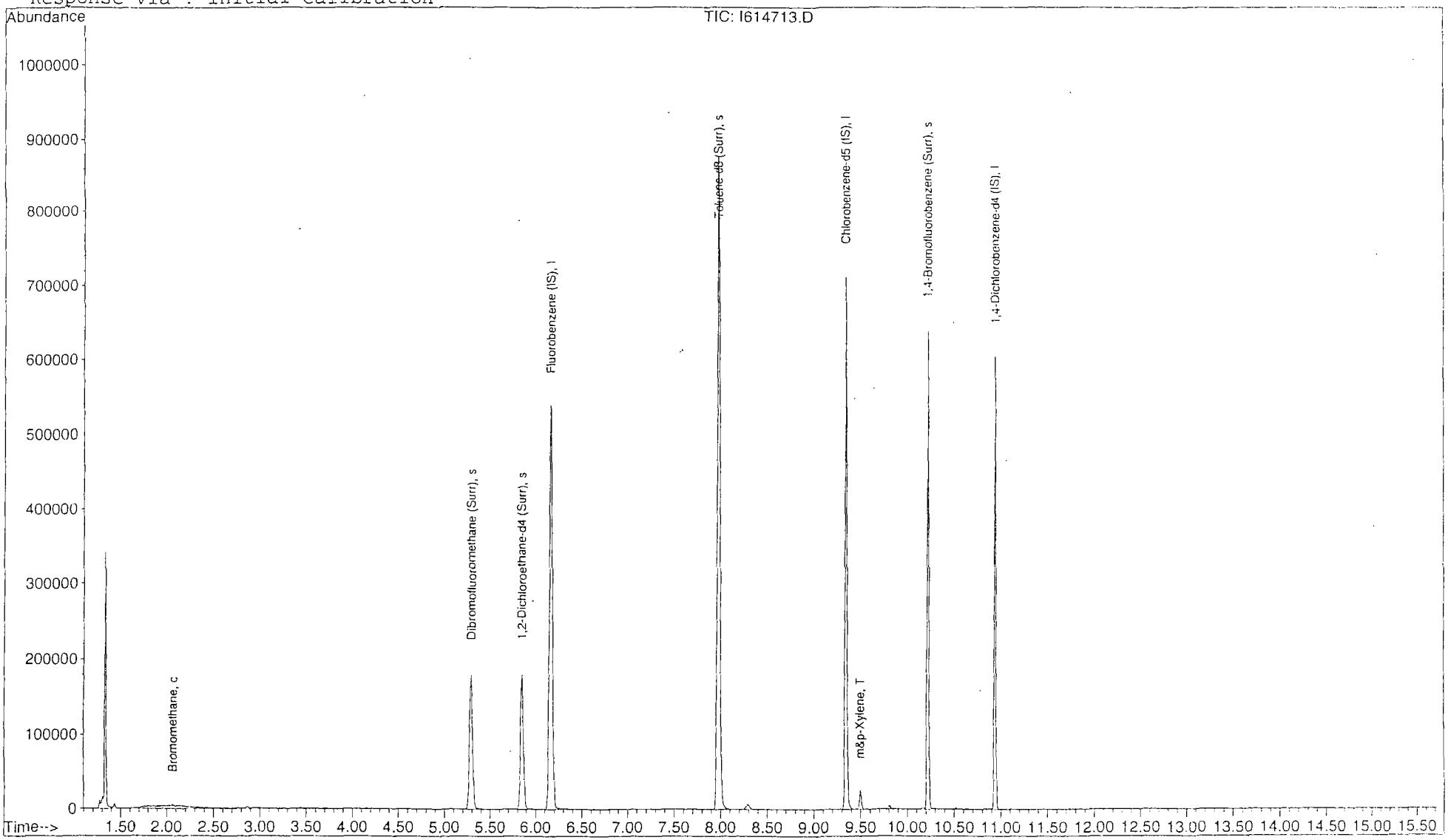
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614713.D
Acq On : 14 Jun 2007 6:08 pm
Sample : BLANK;BLANK,i061407
Misc : 1,1, 07MSV0437IS 07MSV0438SUR
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:58 19107

Vial: 13
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

6-15-07

Data File : H:\MSI.I\I061407.B\I614715.D
Acq On : 14 Jun 2007 6:58 pm
Sample : J0A471AA;I7F050254-02,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:01 19107

Vial: 15
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	567710	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	96616	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	94171	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	126748	16.3224 PPB	-0.04
Spiked Amount 16.700			Recovery	= 97.72%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	71219	16.5840 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.28%	
64) Toluene-d8 (Surr)	7.98	98	603215	18.1336 PPB	-0.01
Spiked Amount 16.700			Recovery	= 108.56%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	164182	17.6946 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.93%	
Target Compounds					Qvalue
5) Bromomethane	2.06	94	951	0.2121 PPB #	90
20) Acetone	3.51	43	1807	2.5515 PPB	70
83) m&p-Xylene	9.49	106	9344	0.6096 PPB	95

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

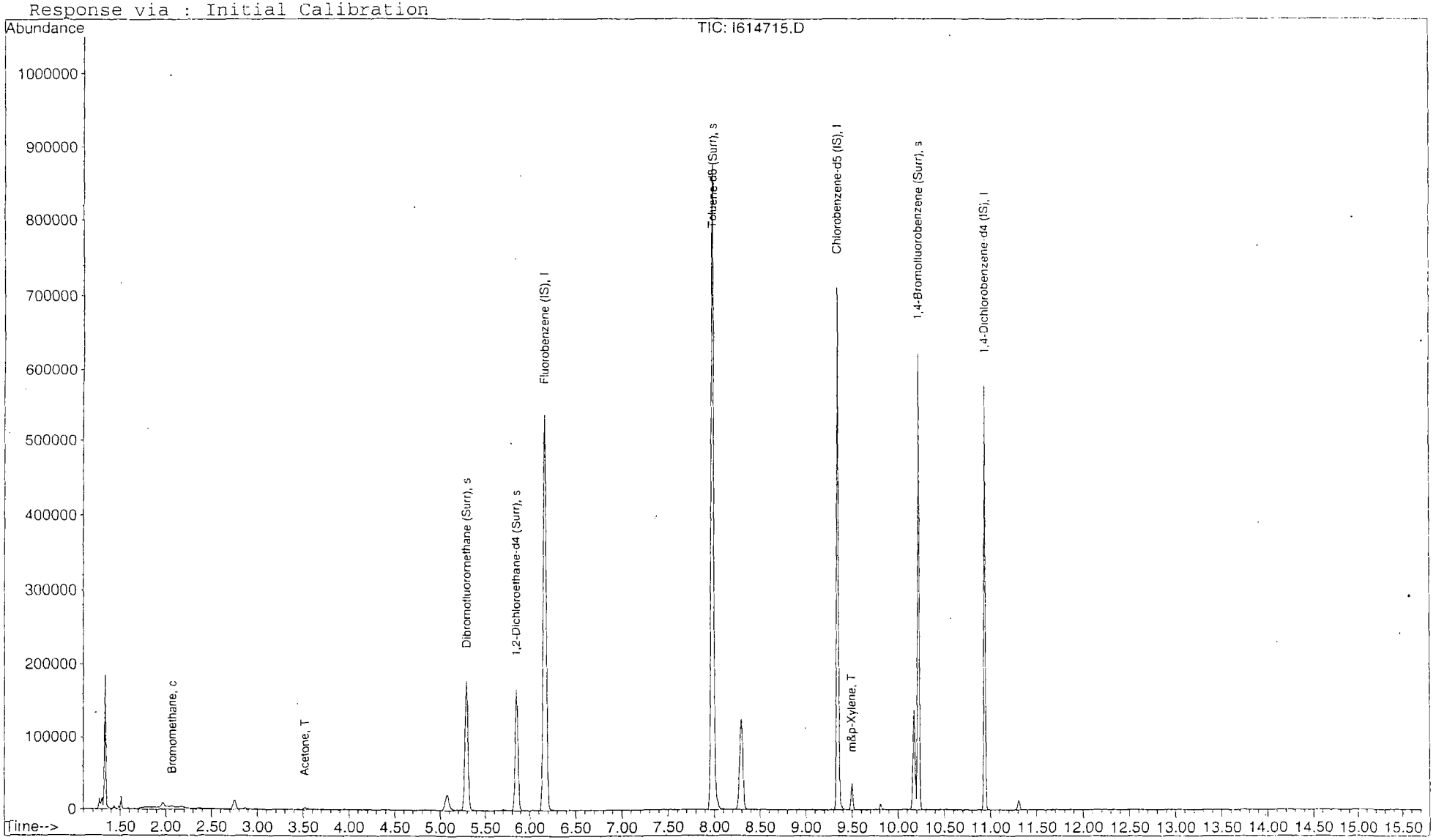
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614715.D
Acq On : 14 Jun 2007 6:58 pm
Sample : J0A471AA;I7F050254-02,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:01 19107

Vial: 15
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-7 mg

Data File : H:\MSI.I\I061407.B\I614716.D
Acq On : 14 Jun 2007 7:23 pm
Sample : J0A5D1AA;I7F050254-04,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:03 19107

Vial: 16
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	565961	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	96293	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	98279	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	127579	16.4802 PPB	-0.04
Spiked Amount 16.700			Recovery	= 98.68%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	73863	17.2529 PPB	-0.04
Spiked Amount 16.700			Recovery	= 103.29%	
64) Toluene-d8 (Surr)	7.98	98	598588	18.0501 PPB	-0.01
Spiked Amount 16.700			Recovery	= 108.08%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	168613	18.2331 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.16%	

Target Compounds					Qvalue
20) Acetone	3.52	43	1912	2.7081 PPB	68
26) Acetonitrile	3.98	40	729	~~4.8294 PP~~B #	100 @ Del
83) m&p-Xylene	9.49	106	9316	0.6099 PPB	93

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

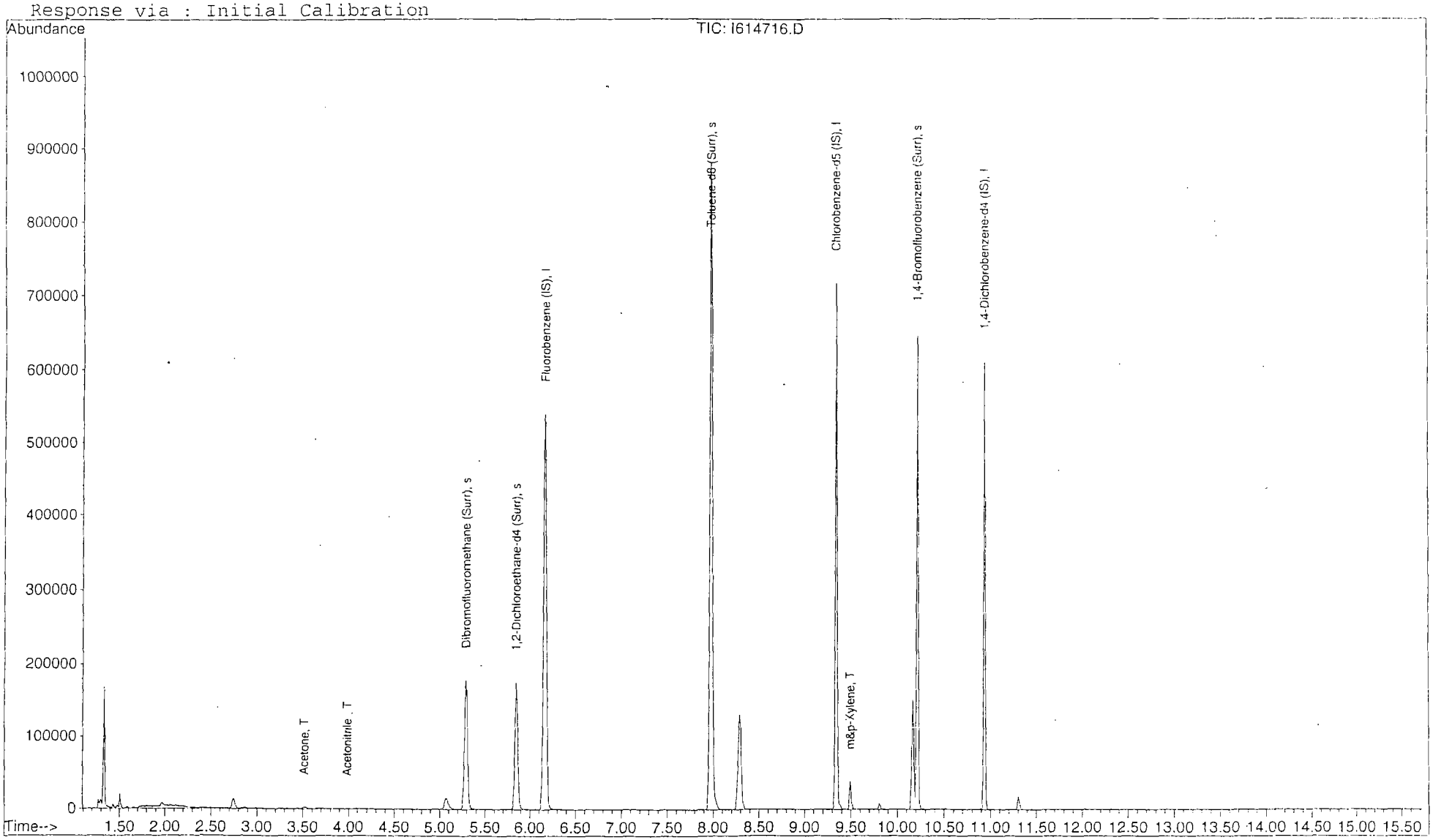
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614716.D
Acq On : 14 Jun 2007 7:23 pm
Sample : J0A5D1AA;I7F050254-04,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:03 19107

Vial: 16
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-07

Data File : H:\MSI.I\I061407.B\I614718.D
Acq On : 14 Jun 2007 8:13 pm
Sample : J0A4E1AA;I7F050254-01,74859
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:13 19107

Vial: 18
Operator: DY
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	551038	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	99134	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	110343	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	125828	16.6942 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.94%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	77758	18.6545 PPB	-0.04
Spiked Amount 16.700			Recovery	= 111.68%	
64) Toluene-d8 (Surr)	7.98	98	576996	17.8702 PPB	-0.02
Spiked Amount 16.700			Recovery	= 107.01%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	182552	19.1747 PPB	-0.02
Spiked Amount 16.700			Recovery	= 114.79%	

Target Compounds						Qvalue
3) Chloromethane (SPCC)	1.65	50	3298	0.2442 PPB		91
20) Acetone	3.52	43	5622	8.1785 PPB		75
35) Bromochloromethane	5.00	130	1426	0.3662 PPB	#	74
37) Chloroform (CCC)	5.10	83	37246	2.4389 PPB	#	81
55) Dibromomethane	6.83	93	1376	0.4507 PPB		96
58) Bromodichloromethane	7.03	83	32352	3.4567 PPB		98
75) Dibromochloromethane	8.74	129	13539	3.2344 PPB		100
83) m&p-Xylene	9.50	106	6328	0.4024 PPB		94
85) Bromoform (SPCC)	9.86	173	3239	1.9324 PPB		96

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

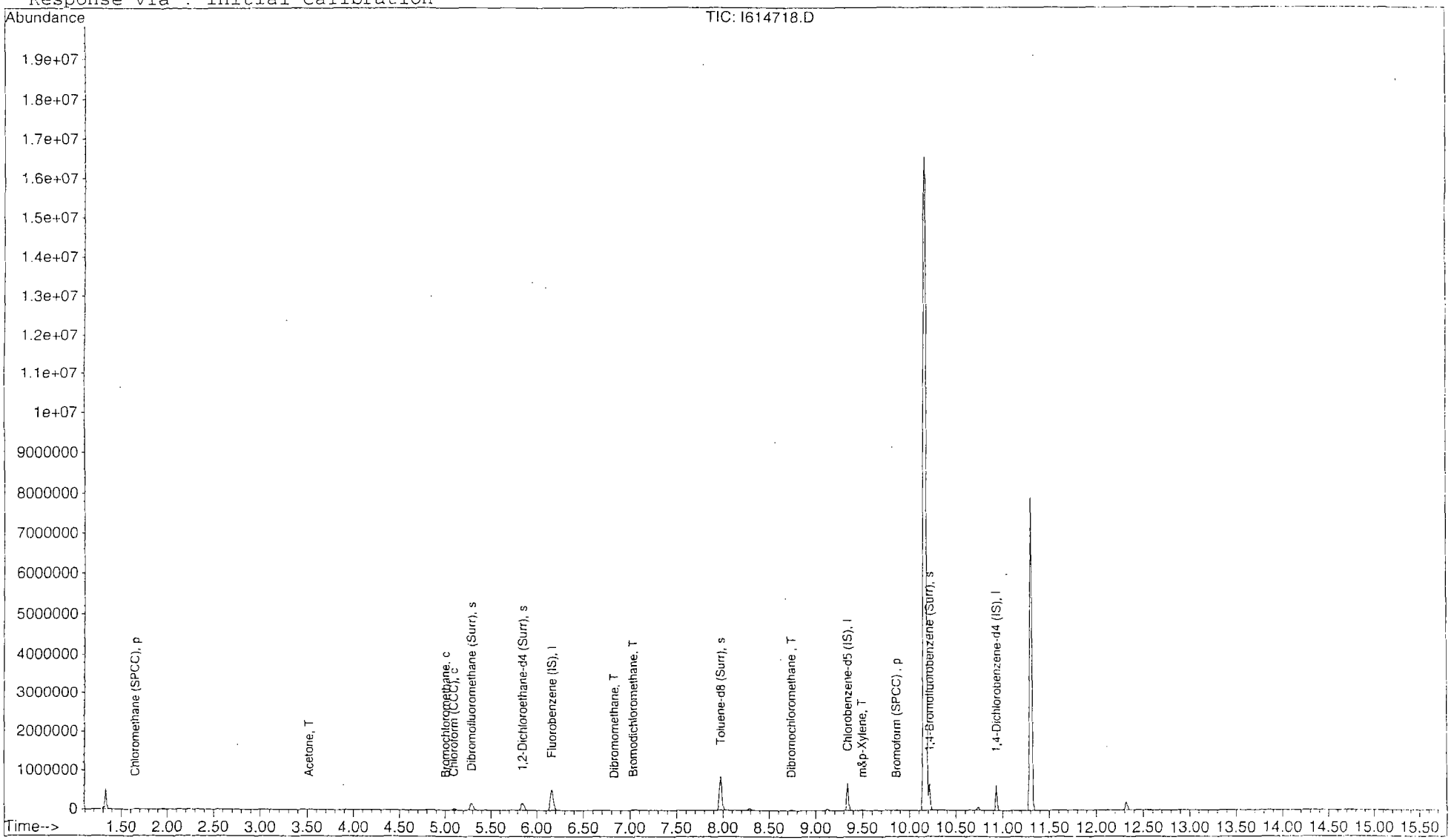
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614718.D
Acq On : 14 Jun 2007 8:13 pm
Sample : J0A4E1AA;I7F050254-01,74859
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:13 19107

Vial: 18
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



227

Quantitation Report (QT Reviewed) 6-15-07

Data File : H:\MSI.I\I061407.B\I614719.D
Acq On : 14 Jun 2007 8:38 pm
Sample : J0DTN1AD;I7E060169-02 20KX,1061407
Misc : 20000,20000,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:20 19107

Vial: 19
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	537529	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	93873	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	96293	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	121009	16.4583 PPB	-0.04
Spiked Amount 16.700			Recovery	= 98.56%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	74041	18.2092 PPB	-0.04
Spiked Amount 16.700			Recovery	= 109.04%	
64) Toluene-d8 (Surr)	7.98	98	565812	17.9642 PPB	-0.01
Spiked Amount 16.700			Recovery	= 107.54%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	164387	18.2344 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.16%	

Target Compounds						Qvalue
11) 1,1-Dichloroethene (CCC)	2.85	96	4155	0.5083 PPB	# S	78
19) Methylene chloride	3.45	84	475390	58.0088 PPB	#	72
20) Acetone	3.52	43	1996	2.9766 PPB		63
29) 1,1-Dichloroethane (SPCC)	4.24	63	17111	0.9758 PPB		98
32) cis-1,2-Dichloroethene	4.81	96	2467	0.2652 PPB		97
38) Carbon tetrachloride	5.30	117	12691	1.2310 PPB		88
43) 1,1,1-Trichloroethane	5.30	97	110943	8.6041 PPB		94
46) Benzene	5.70	78	17719	0.4321 PPB		87
51) 1,2-Dichloroethane	5.93	62	158477	18.5001 PPB		98
54) Trichloroethene	6.35	130	35677	3.7524 PPB		94
57) 1,2-Dichloropropane (CCC)	6.94	63	4153	0.4809 PPB		86
69) Tetrachloroethene	8.40	164	3555	0.4814 PPB		97
83) m&p-Xylene	9.49	106	7143	0.4797 PPB		94
95) 1,2,3-Trichloropropane	10.45	110	3003	2.8172 PPB	#	66

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

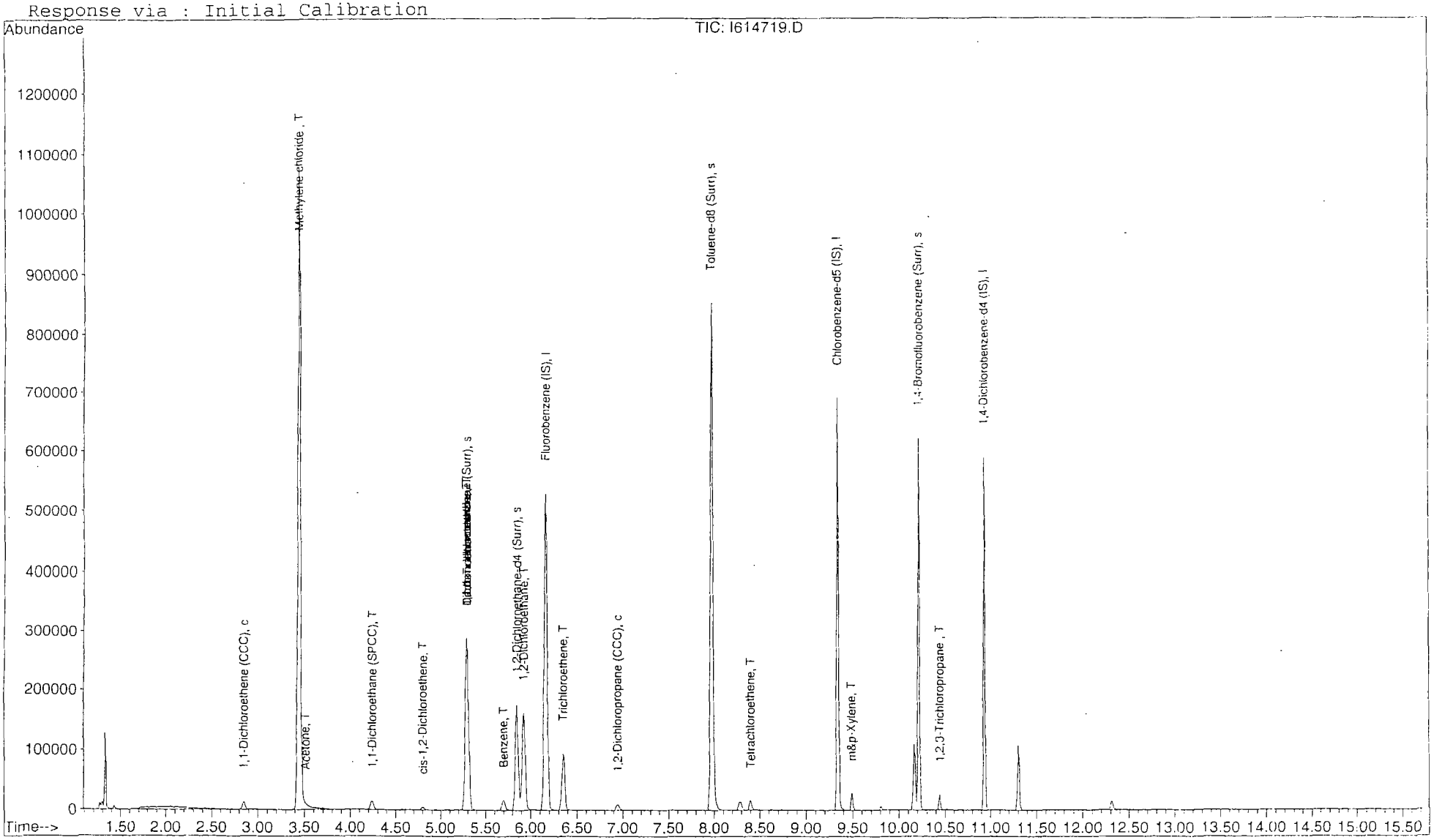
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614719.D
Acq On : 14 Jun 2007 8:38 pm
Sample : J0DTN1AD;I7F060169-02 20KX,i061407
Misc : 20000,20000,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:20 19107

Vial: 19
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Calibration Data

BM 3/27/07

Calibration Table Report

Method: I70326W.M

Title: EPA Method 8260B/624 Calibration Curve 15mL Water

Last Calibration: Tue Mar 27 13:31:08 2007

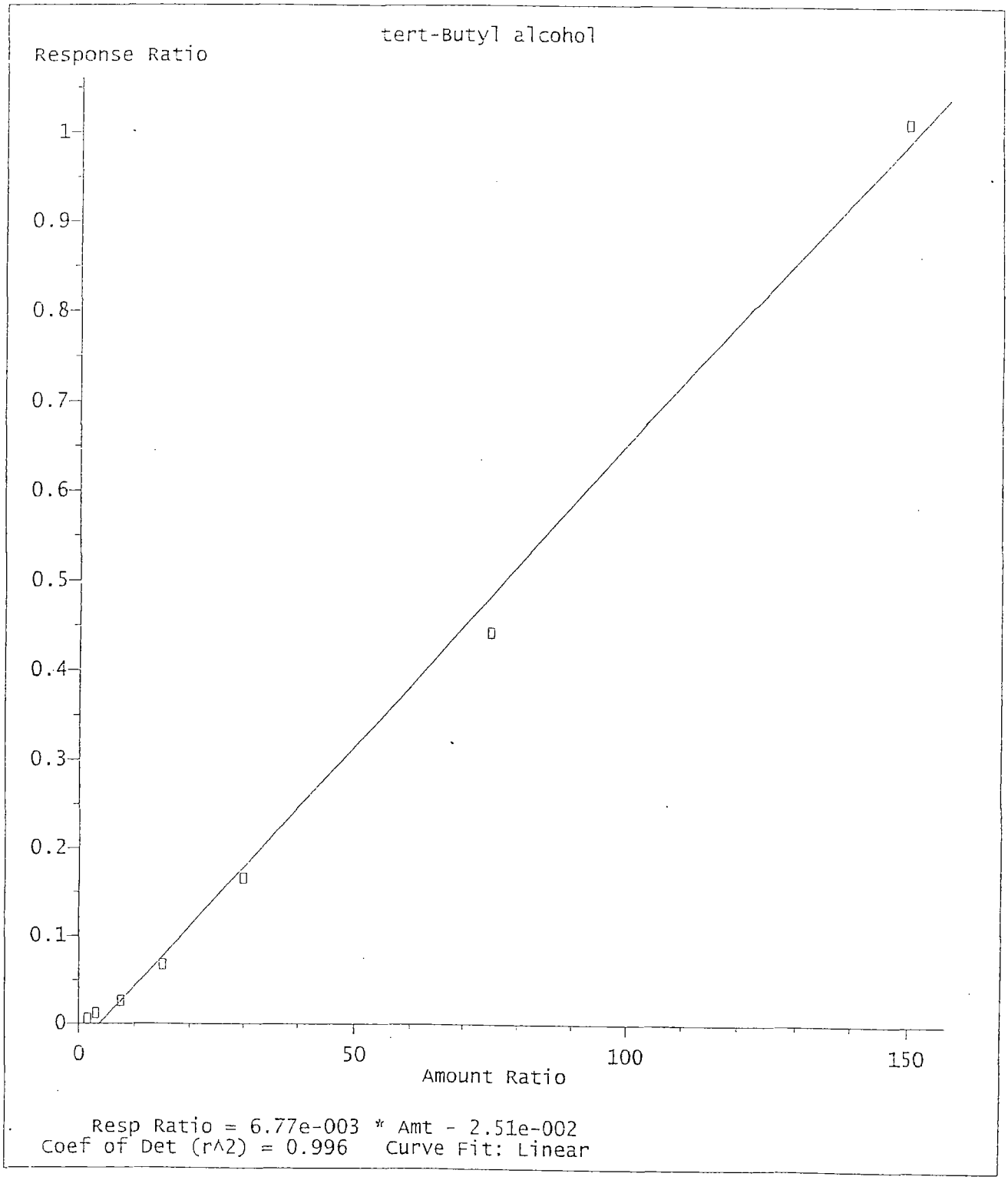
Calibration Files

	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Fluorobenzene (IS)	ISTD										
Dichlorodifluoromethane	0.448	0.455	0.434	0.448	0.430	0.419	0.406	0.434	4.033		
Chloromethane (SPCC)	0.411	0.420	0.393	0.427	0.403	0.405	0.406	0.409	2.717		
Vinyl chloride (CCC)	0.286	0.283	0.273	0.300	0.279	0.276	0.271	0.281	3.512		
Bromomethane	✓	0.104	0.119	0.146	0.139	0.146	0.138	0.132	12.784		
Ethylene oxide	✓	✓	0.015	0.016	0.015	0.015	0.013	0.015	6.880		
Chloroethane	0.265	0.264	0.255	0.264	0.238	0.228	0.179	0.242	12.959		
Trichlorofluoromethane	0.499	0.497	0.474	0.489	0.458	0.439	0.413	0.467	6.930		
Ethyl ether	0.142	0.160	0.144	0.160	0.162	0.164	0.161	0.156	5.879		
Ethanol	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	17.384		
1,1-Dichloroethene (CCC)	0.264	0.256	0.246	0.264	0.254	0.251	0.243	0.254	3.293		
Carbon disulfide	0.773	0.729	0.714	0.790	0.787	0.795	0.776	0.766	4.170		
1,1,2-Trichlorotrifluoroethane	0.306	0.297	0.276	0.288	0.275	0.272	0.265	0.283	5.219		
Propylene oxide	✓	✓	0.020	0.023	0.023	0.025	0.025	0.023	8.164		
Iodomethane	0.226	0.233	0.252	0.276	0.250	0.235	0.210	0.240	8.879		
Bromoethane	0.186	0.186	0.176	0.186	0.178	0.177	0.170	0.180	3.469		
Acrolein		0.008	0.009	0.010	0.010	0.012	0.012	0.010	15.047		
3-Chloropropene	0.326	0.334	0.341	0.373	0.358	0.347	0.319	0.343	5.494		
Methylene chloride	0.268	0.269	0.245	0.262	0.249	0.247	0.242	0.255	4.390		
Acetone	✓	✓	0.019	0.021	0.020	0.021	0.024	0.021	8.945		
trans-1,2-Dichloroethene	0.301	0.306	0.287	0.309	0.291	0.279	0.268	0.292	5.147		
Methyl acetate	✓	0.022	0.019	0.021	0.020	0.021	0.022	0.021	4.306		
Hexane	0.111	0.111	0.113	0.122	0.119	0.117	0.115	0.115	3.651		
Methyl tert-butyl ether (MTBE)	0.379	0.423	0.386	0.440	0.457	0.475	0.481	0.434	9.394		
tert-Butyl alcohol	0.004	0.004	0.003	0.005	0.006	0.006	0.007	0.005	25.378	0.996	
Acetonitrile	✓	✓	0.004	0.004	0.005	0.005	0.005	0.004	12.313		

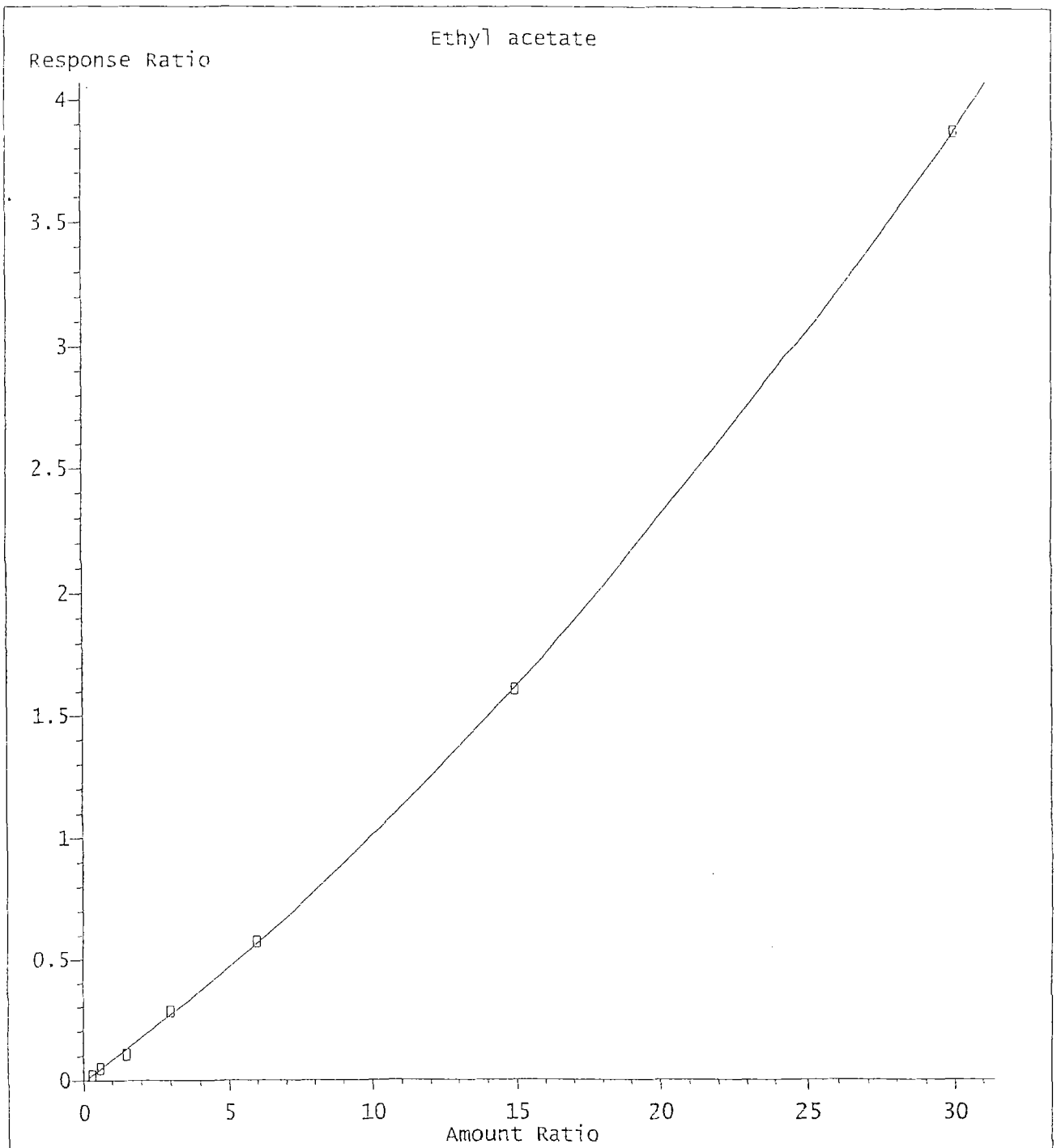
Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Isopropyl ether	0.648	0.707	0.686	0.783	0.796	0.806	0.786	0.745	8.465		
2-Chloro-1,3-butadiene	0.196	0.196	0.203	0.232	0.234	0.240	0.239	0.219	10.438		
1,1-Dichloroethane (SPCC)	0.551	0.565	0.531	0.576	0.546	0.536	0.508	0.545 ✓	4.130		
Acrylonitrile	✓	0.035	0.033	0.038	0.038	0.040	0.040	0.037	6.830		
Vinyl acetate	✓	0.191	0.185	0.227	0.250	0.273	0.279	0.234	17.118		
cis-1,2-Dichloroethene	0.296	0.299	0.286	0.307	0.288	0.278	0.269	0.289	4.450		
2,2-Dichloropropane	0.361	0.372	0.370	0.415	0.416	0.433	0.434	0.400	7.854		
Cyclohexane	0.723	0.734	0.732	0.781	0.742	0.713	0.664	0.727	4.818		
Bromochloromethane	0.124	0.124	0.112	0.119	0.116	0.117	0.114	0.118	3.894		
2-Methylhexane	0.565	0.621	0.614	0.648	0.627	0.596	0.546	0.603	5.997		
Chloroform (CCC)	0.479	0.483	0.449	0.481	0.459	0.454	0.436	0.463	3.972 ✓		
Carbon tetrachloride	0.311	0.310	0.308	0.333	0.325	0.332	0.324	0.320	3.372		
3-Methylhexane	0.246	0.263	0.255	0.276	0.270	0.261	0.244	0.259	4.589		
Ethyl acetate	0.065	0.081	0.071	0.094	0.096	0.107	0.130	0.092	24.069		1.000
Tetrahydrofuran	0.038	0.044	0.035	0.044	0.048	0.051	0.044	0.043	12.741		
Dibromofluoromethane (Surr)	0.235	0.231	0.221	0.238	0.230	0.226	0.217	0.228	3.297		
1,1,1-Trichloroethane	0.384	0.398	0.389	0.421	0.407	0.408	0.398	0.401	3.133		
1,1-Dichloropropene	0.406	0.414	0.407	0.450	0.433	0.432	0.422	0.423	3.784		
2-Butanone (MEK)	✓	✓	0.035	0.035	0.036	0.038	0.039	0.037	5.221		
Benzene	1.310	1.337	1.260	1.335	1.268	1.240	1.169	1.274	4.690		
Heptane	0.220	0.241	0.249	0.272	0.265	0.258	0.242	0.249	6.918		
Propionitrile	✓	0.011	0.009	0.010	0.010	0.010	0.011	0.010	7.848		
Methacrylonitrile	0.037	0.044	0.042	0.050	0.052	0.053	0.052	0.047	13.342		
1,2-Dichloroethane-d4 (Surr)	0.140	0.139	0.118	0.128	0.124	0.118	0.117	0.126	7.693		
1,2-Dichloroethane	0.272	0.279	0.257	0.273	0.268	0.264	0.250	0.266	3.825		
Isobutyl alcohol	✓	✓	0.001	0.002	0.002	0.002	0.003	0.002	31.469	0.996	
Methylcyclohexane	0.559	0.564	0.546	0.585	0.557	0.540	0.498	0.550	4.896		
Trichloroethene	0.299	0.304	0.287	0.307	0.295	0.294	0.282	0.295	3.052		
Dibromomethane	0.096	0.094	0.087	0.096	0.095	0.093	0.087	0.093	4.078		
n-Butanol	✓	0.001	0.001	0.001	0.001	0.001	0.002	0.001	47.949		1.000
1,2-Dichloropropane (CCC)	0.259	0.266	0.255	0.279	0.275	0.276	0.269	0.268	3.390 ✓		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Bromodichloromethane	0.264	0.267	0.256	0.290	0.293	0.307	0.307	0.284	7.454		
1,4-Dioxane	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	20.723	OK BM 3/27/05	
Methyl methacrylate	0.041	0.046	0.046	0.062	0.076	0.090	0.097	0.066	34.615	0.998	
1-Bromo-2-chloroethane	0.230	0.248	0.227	0.256	0.254	0.261	0.263	0.249	5.891		
cis-1,3-Dichloropropene	0.265	0.298	0.303	0.362	0.380	0.404	0.408	0.346	16.453		
2-Chloroethyl vinyl ether	✓	✓	0.036	0.047	0.053	0.061	0.064	0.052	21.905	1.000	
Toluene-d8 (Surr)	0.914	0.954	0.940	1.046	1.018	1.009	0.970	0.979	4.840		
Chlorobenzene-d5 (IS)	ISTD										
Toluene (CCC)	6.547	6.701	6.394	6.958	6.553	6.446	6.406	6.572	3.055 ✓		
Epichlorohydrin	✓	✓	0.031	0.040	0.043	0.045	0.048	0.041	16.305		
2-Nitropropane to be updated →	✓	0.070	0.057	0.071	0.082	0.105	0.135	0.087	33.263		1.000
Tetrachloroethene	1.321	1.336	1.257	1.355	1.285	1.296	1.346	1.314	2.711		
4-Methyl-2-pentanone (MIBK)	✓	0.268	0.254	0.321	0.382	0.435	0.481	0.357	25.672	0.998	
trans-1,3-Dichloropropene	1.013	1.139	1.126	1.381	1.456	1.565	1.659	1.334	18.378		
1,1,2-Trichloroethane	0.741	0.759	0.705	0.771	0.754	0.755	0.787	0.753	3.393		
4-Methyl-2-pentanol (MIBC)	✓	0.024	0.020	0.027	0.037	0.052	0.075	0.039	53.293		1.000
Ethyl methacrylate	0.364	0.429	0.494	0.690	0.859	0.975	1.086	0.700	40.357	0.997	
Dibromochloromethane	0.587	0.639	0.592	0.712	0.751	0.798	0.858	0.705	14.774		
1,3-Dichloropropane	1.491	1.578	1.434	1.572	1.519	1.532	1.563	1.527	3.377		
1,2-Dibromoethane (EDB)	0.564	0.605	0.572	0.650	0.654	0.668	0.709	0.632	8.447		
2-Hexanone	✓	✓	0.123	0.168	0.209	0.254	0.300	0.211	33.024	0.996	
Chlorobenzene (SPCC)	4.028	3.994	3.690	3.941	3.712	3.617	3.454	3.777 ✓	5.710		
1-Chlorohexane	1.908	1.707	1.508	1.572	1.461	1.344	1.260	1.537	14.266		
Ethylbenzene (CCC)	2.152	2.197	2.161	2.331	2.201	2.183	2.134	2.194	2.965 ✓		
1,1,1,2-Tetrachloroethane	1.027	1.046	0.953	1.082	1.067	1.087	1.127	1.056	5.237		
m&p-Xylene	2.557	2.723	2.666	2.873	2.771	2.617	2.338	2.649	6.478		
o-Xylene	2.116	2.267	2.275	2.582	2.498	2.487	2.439	2.380	6.923		
Bromoform (SPCC)	0.226	0.246	0.227	0.281	0.297	0.334	0.365	0.282 ✓	18.939		
Styrene	2.244	2.733	3.072	3.695	3.796	3.845	3.823	3.315	19.307		
Isopropylbenzene	5.553	6.016	6.055	6.735	6.414	6.253	5.951	6.140	6.112		
Bromobenzene	1.030	1.115	1.044	1.149	1.131	1.140	1.160	1.110	4.679		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
n-Propylbenzene	1.431	1.597	1.625	1.777	1.703	1.688	1.636	1.637	6.638		
1,1,2,2-Tetrachloroethane (SPCC)	0.615	0.640	0.566	0.630	0.638	0.638	0.638	0.624	4.332		
1,4-Bromofluorobenzene (Surr)	1.681	1.560	1.492	1.664	1.615	1.606	1.609	1.604	3.962		
1,4-Dichlorobenzene-d4 (IS)	ISTD										
2-Chlorotoluene	1.194	1.189	1.182	1.257	1.200	1.176	1.155	1.193	2.659		
Cyclohexanone	✓	✓	0.003	0.004	0.004	0.005	0.005	0.004	26.841	0.998	
1,2,3-Trichloropropane	0.183	0.191	0.176	0.188	0.187	0.184	0.185	0.185	2.539		
trans-1,4-Dichloro-2-butene	✓	0.024	0.020	0.030	0.038	0.048	0.059	0.036	40.718		1.000
3-Ethyltoluene	4.313	4.656	4.872	5.341	5.068	4.926	4.562	4.820	7.072		
4-Chlorotoluene	1.119	1.189	1.196	1.265	1.208	1.191	1.172	1.192	3.664		
1,3,5-Trimethylbenzene	3.832	4.086	4.301	4.643	4.419	4.266	3.951	4.214	6.625		
2-Ethyltoluene	4.490	4.696	4.876	5.215	4.986	4.834	4.547	4.806	5.265		
tert-Butylbenzene	2.306	2.418	2.453	2.612	2.432	2.375	2.227	2.403	5.043		
Pentachloroethane	0.331	0.324	0.326	0.354	0.368	0.394	0.401	0.357	9.040		
1,2,4-Trimethylbenzene	3.613	3.850	4.036	4.342	4.201	4.109	3.870	4.003	5.113		
sec-Butylbenzene	5.199	5.461	5.576	5.982	5.649	5.387	5.000	5.465	5.819		
p-Isopropyltoluene	3.657	4.088	4.389	4.771	4.586	4.475	4.125	4.299	8.659		
1,3-Dichlorobenzene	1.987	2.052	1.899	2.015	1.936	1.918	1.878	1.955	3.282		
1,4-Dichlorobenzene	2.130	2.038	1.880	1.999	1.901	1.886	1.845	1.954	5.327		
Benzyl chloride	✓	0.083	0.088	0.120	0.147	0.190	0.215	0.141	38.289	0.996	
n-Butylbenzene	0.832	0.895	0.980	1.105	1.078	1.071	1.014	0.996	10.198		
1,2-Dichlorobenzene	1.529	1.531	1.439	1.547	1.503	1.505	1.511	1.509	2.311		
1,3,5-Trichlorobenzene	1.069	1.112	1.062	1.169	1.164	1.179	1.053	1.115	4.917		
1,2-Dibromo-3-chloropropane (DBCP)	✓	✓	0.034	0.045	0.047	0.057	0.067	0.050	25.186	0.996	
Hexachlorobutadiene	0.478	0.483	0.455	0.476	0.474	0.472	0.444	0.469	2.957		
1,2,4-Trichlorobenzene	0.600	0.643	0.591	0.681	0.704	0.771	0.737	0.675	10.036		
Naphthalene	✓	0.517	0.497	0.675	0.820	1.072	1.118	0.783	34.322	0.998	
1,2,3-Trichlorobenzene	0.369	0.420	0.366	0.438	0.474	0.535	0.509	0.445	14.696		
Tue Mar 27 14:11:51 2007											



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

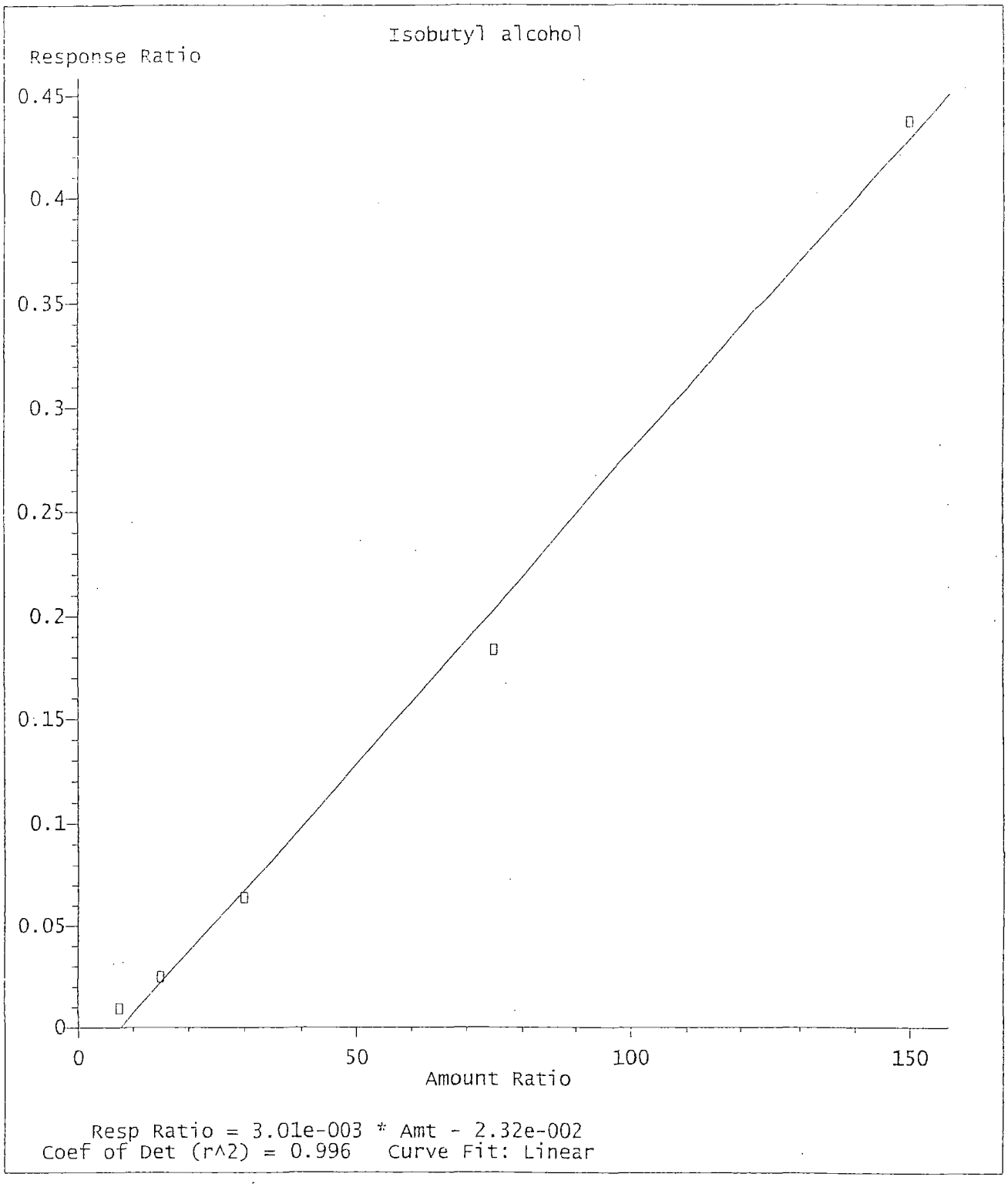


R = 1.43e-003 A*A + 8.69e-002 A - 6.69e-003
Curve Fit: Quadratic

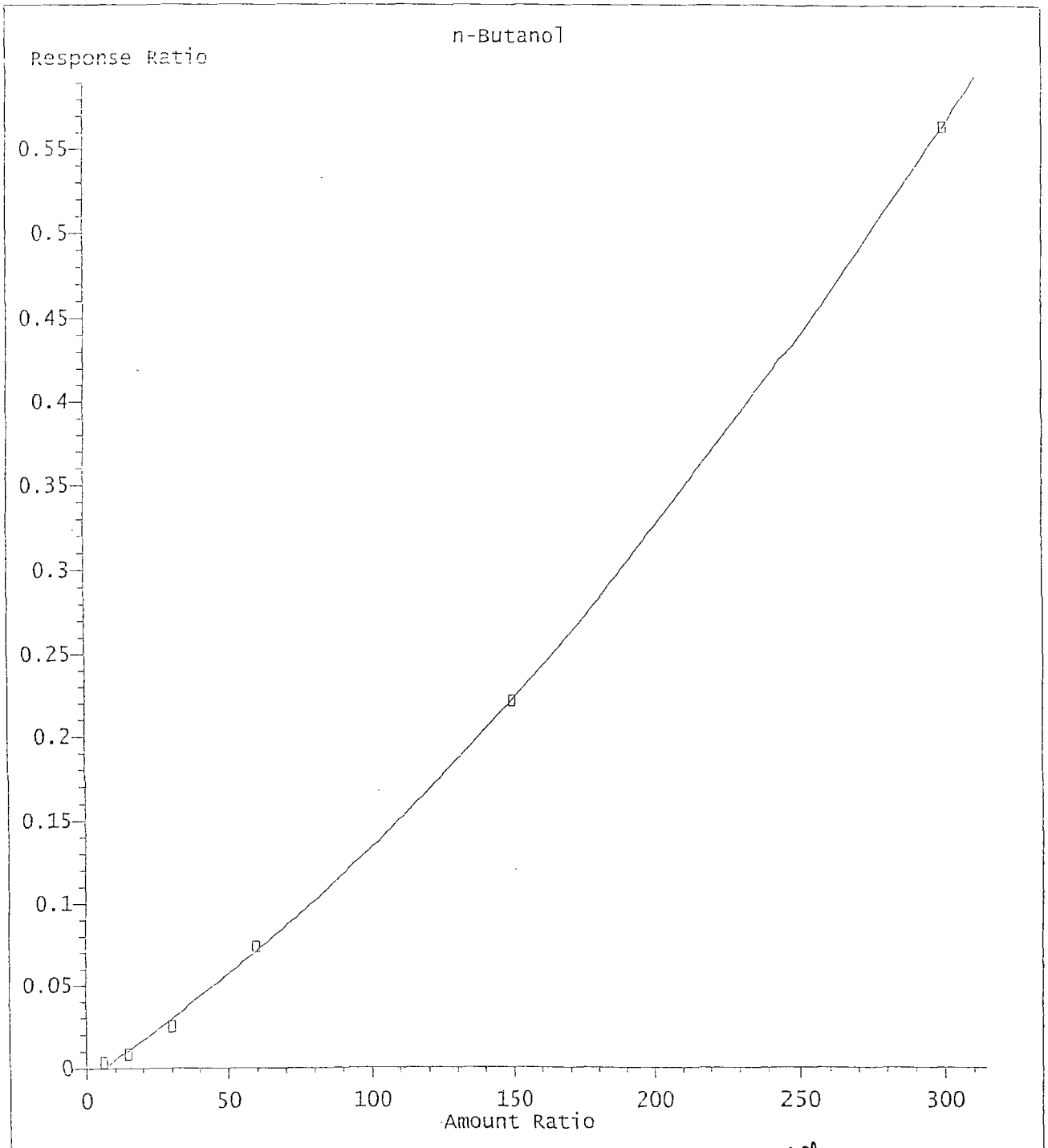
r^2 = 1.000
16 pts

Bm
MAR 27 2007

Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

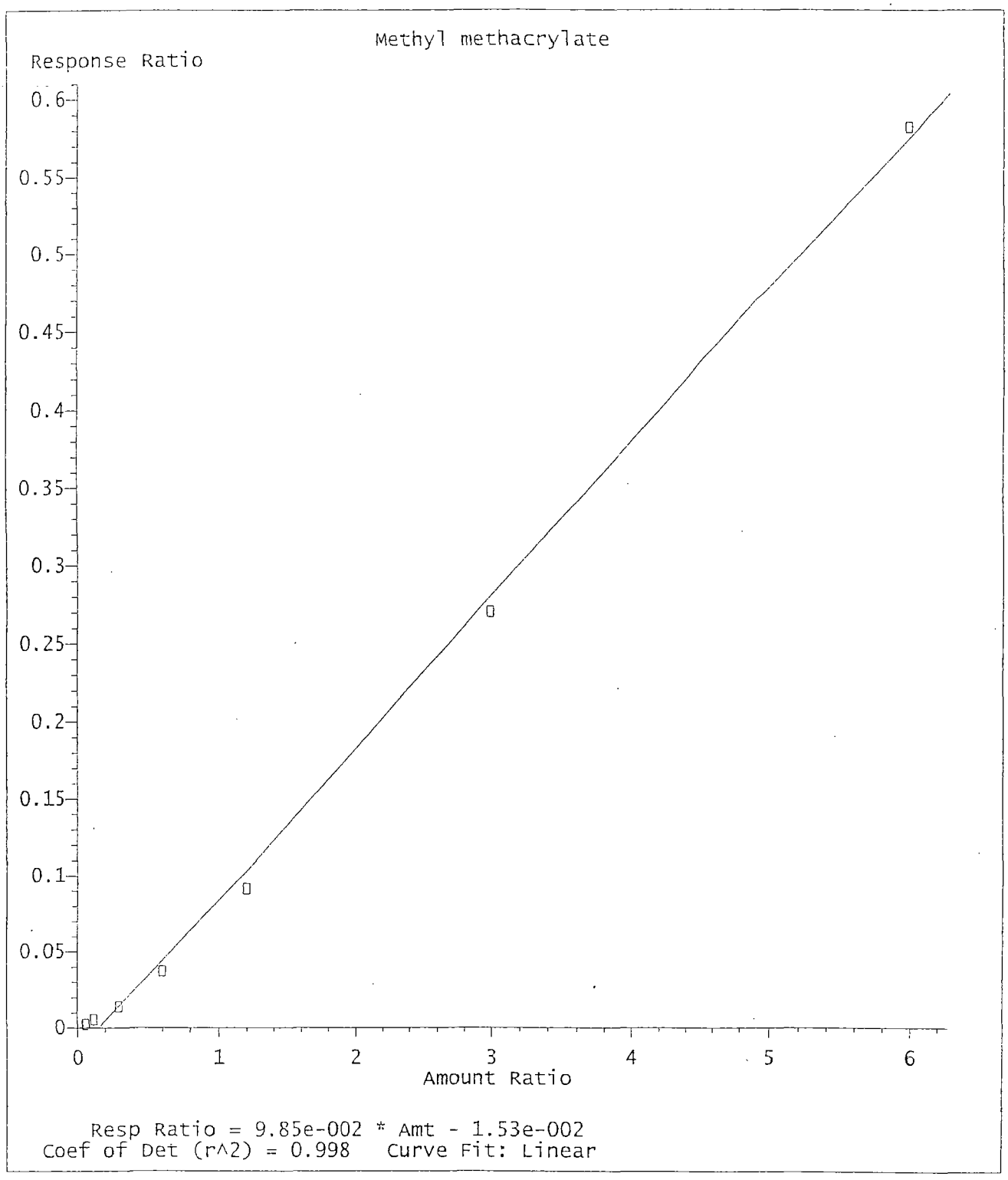


R = 2.54e-006 A*A + 1.15e-003 A - 7.24e-003
.Curve Fit: Quadratic

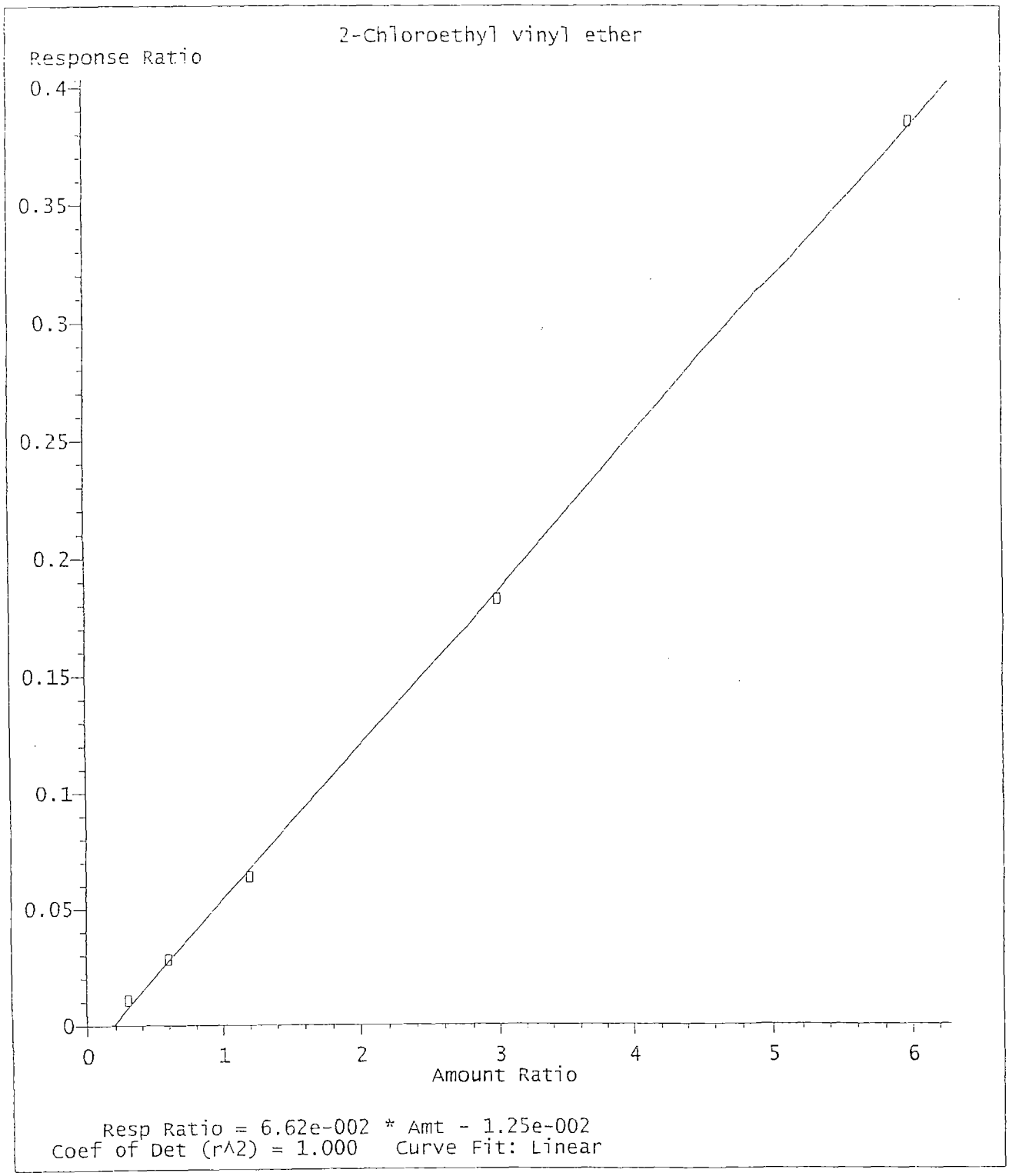
R^2 = 1.000 6 pts

BM MAR 27 2007

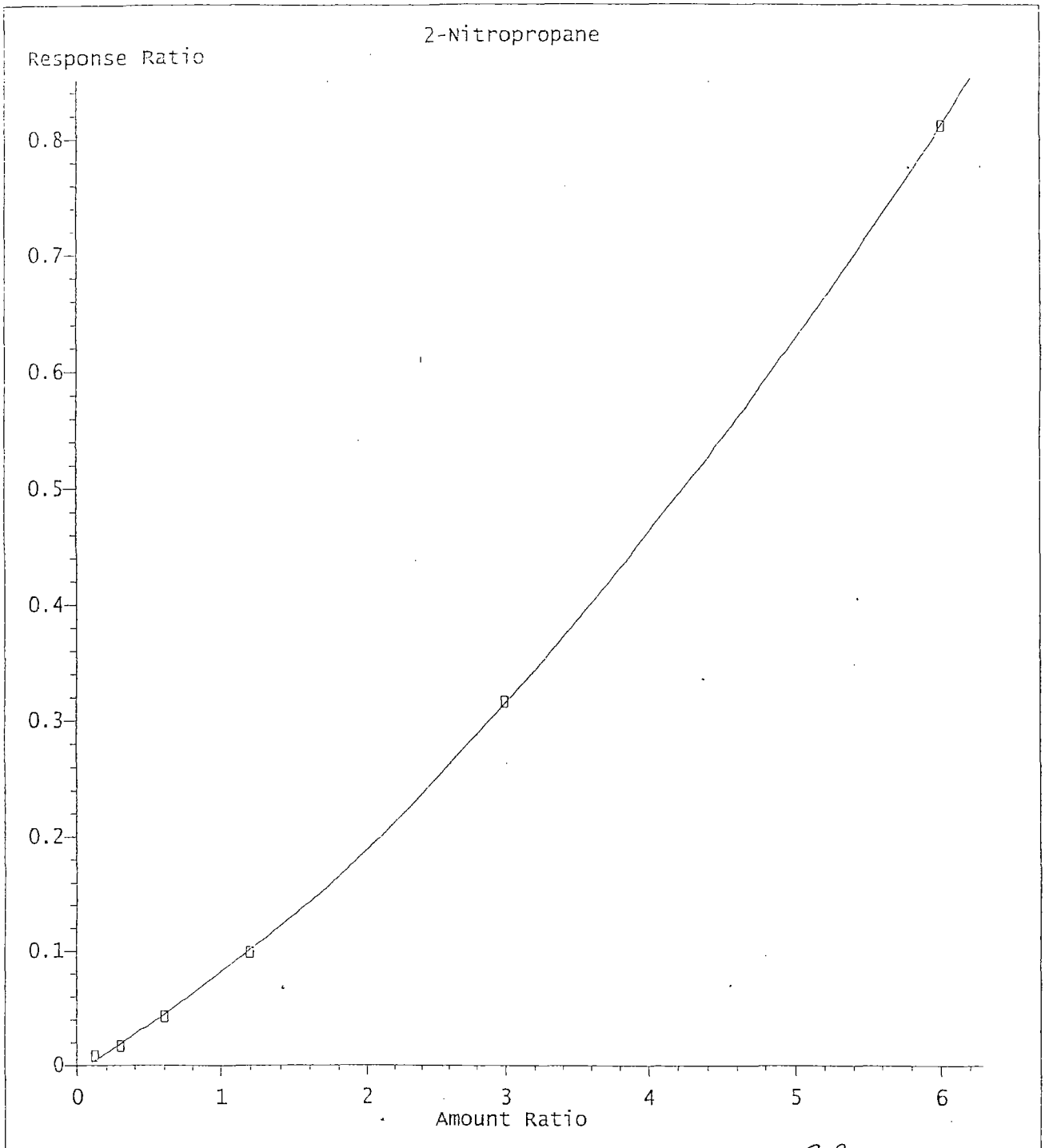
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

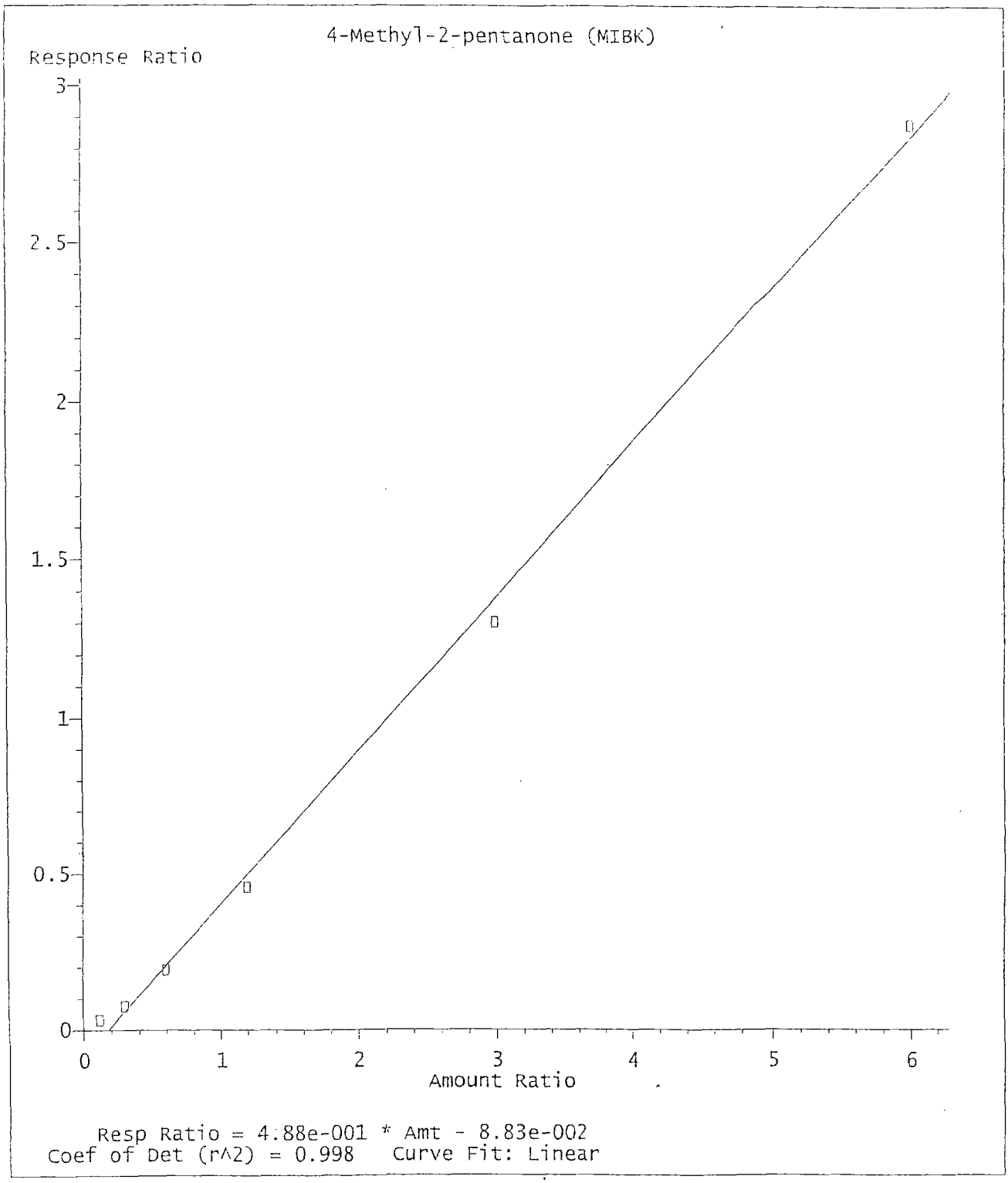


R = 1.00e-002 A*A + 7.65e-002 A - 5.00e-003
Curve Fit: Quadratic

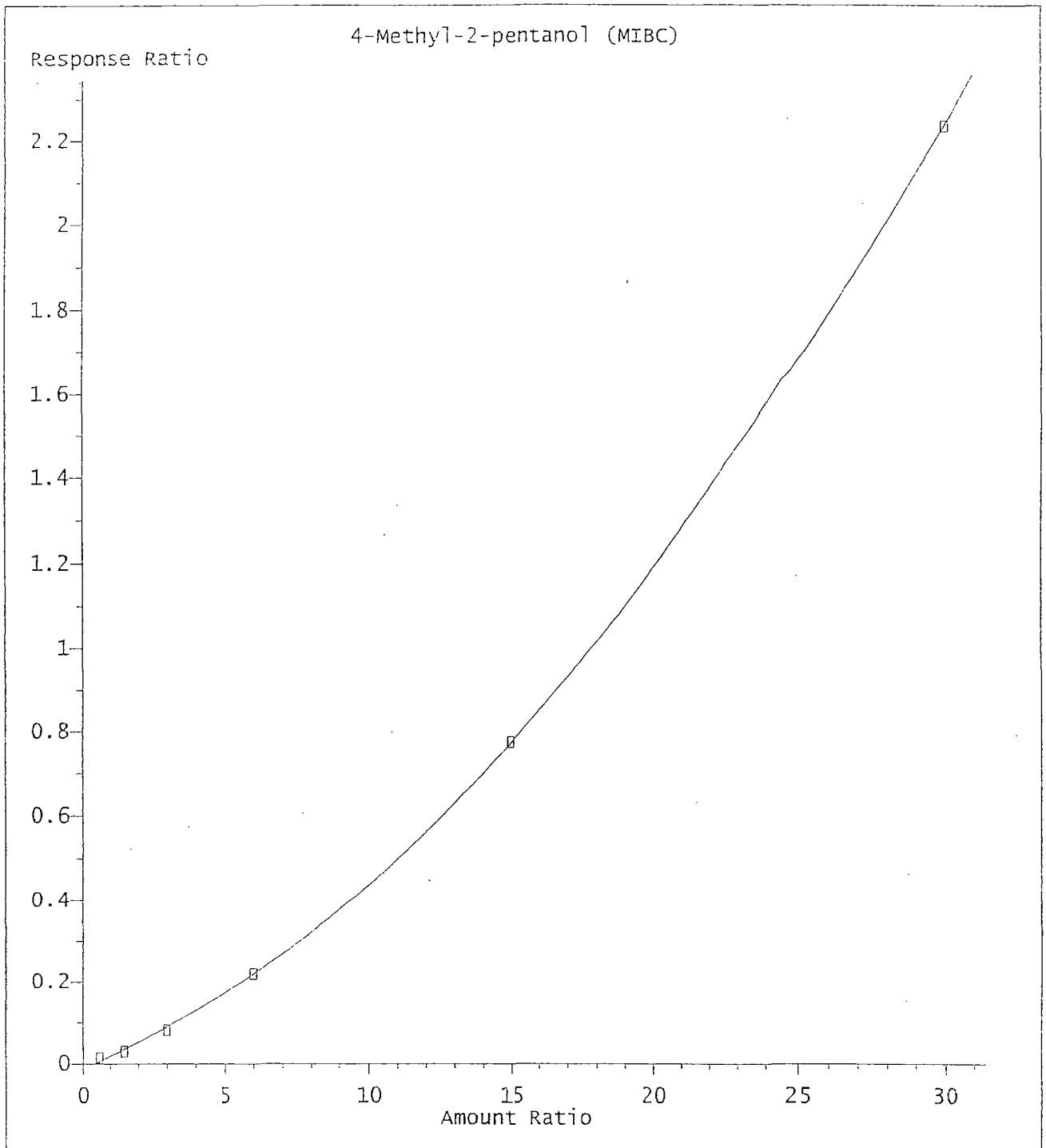
R^2 = 1.000
✓ 6 pts

BOP
MAR 27 2007

Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



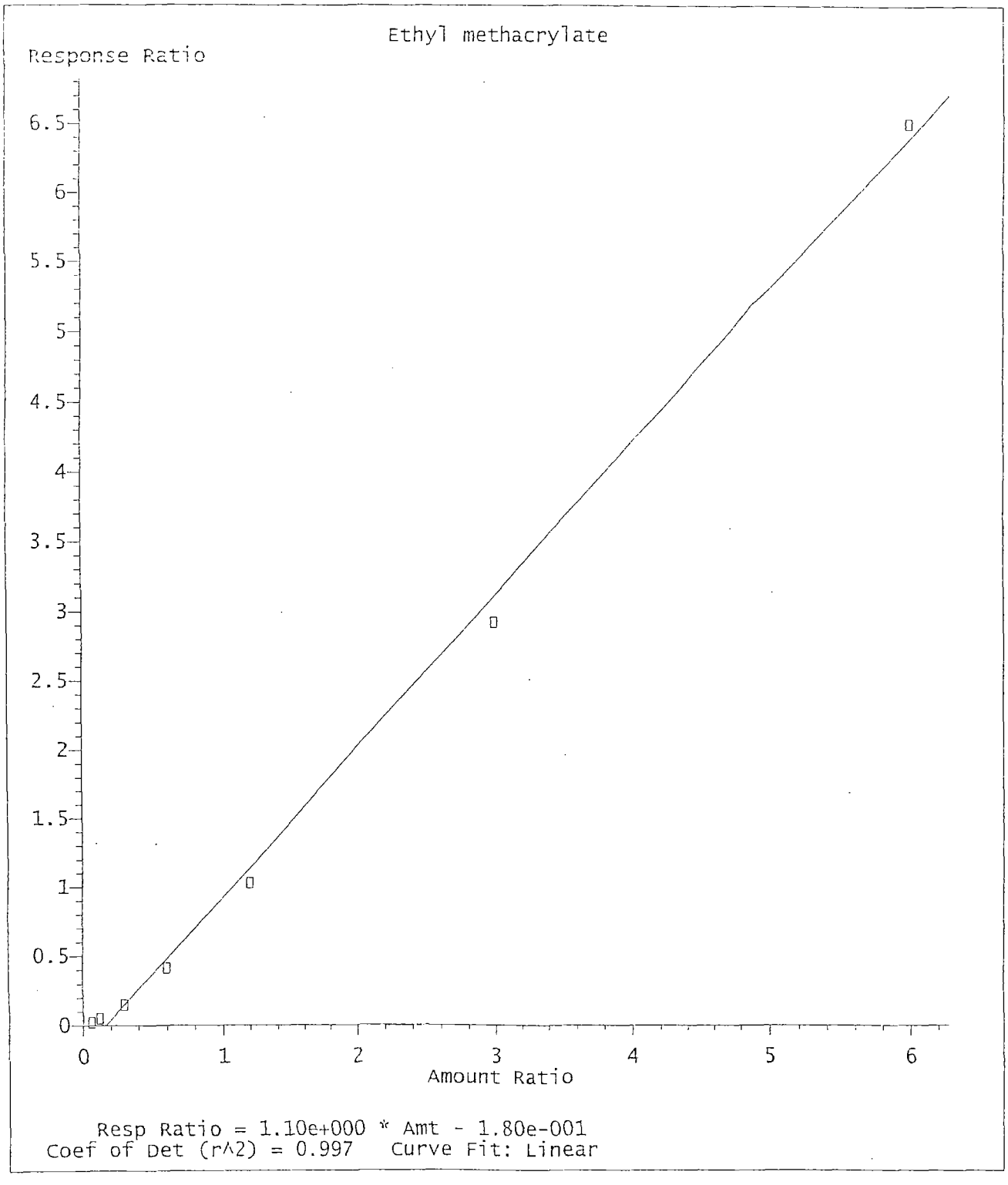
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



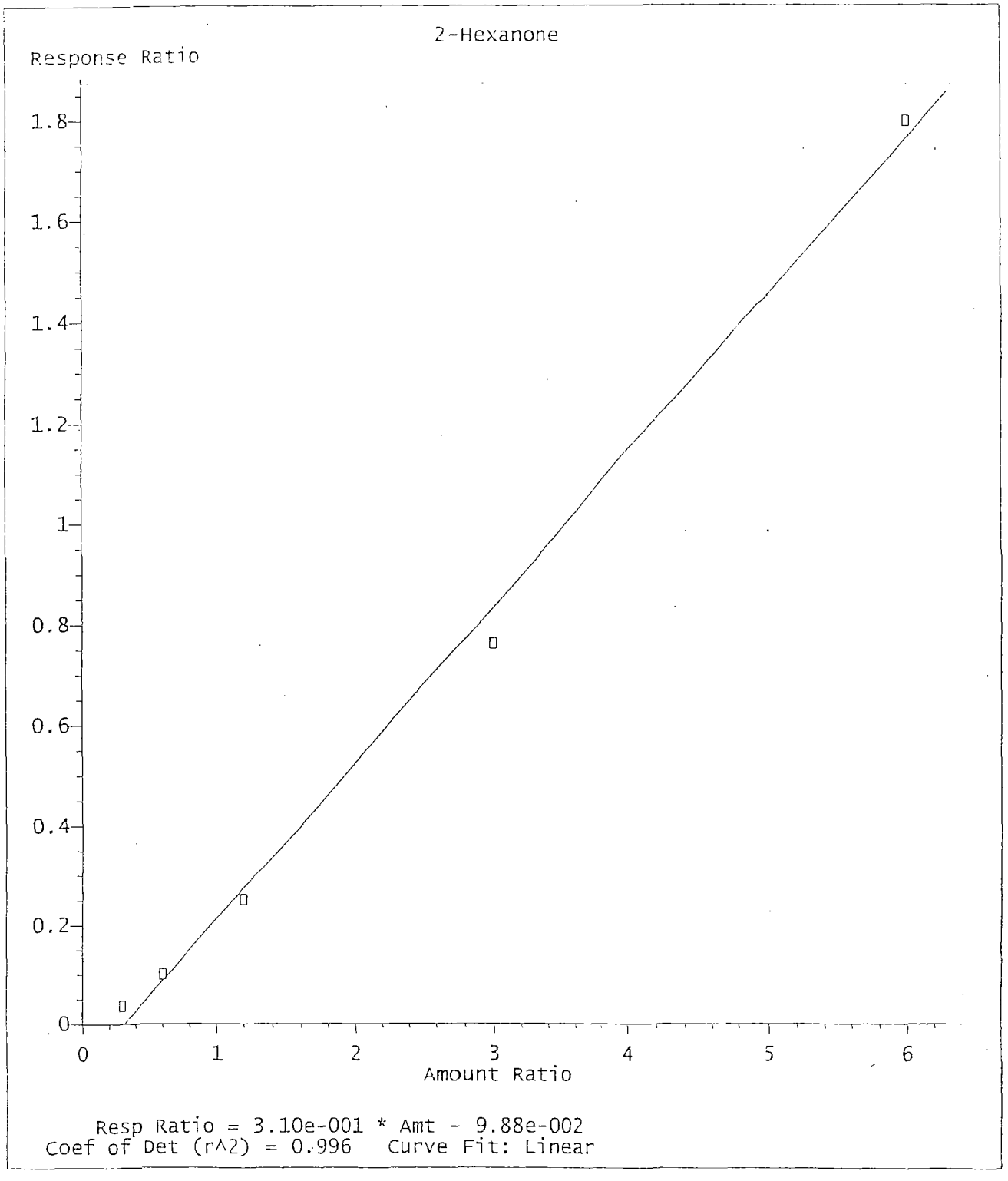
R = 1.52e-003 A*A + 2.95e-002 A - 1.33e-002
Curve Fit: Quadratic

$R^2 = 1.000$ Bop
✓ GPS MAR 27 2007

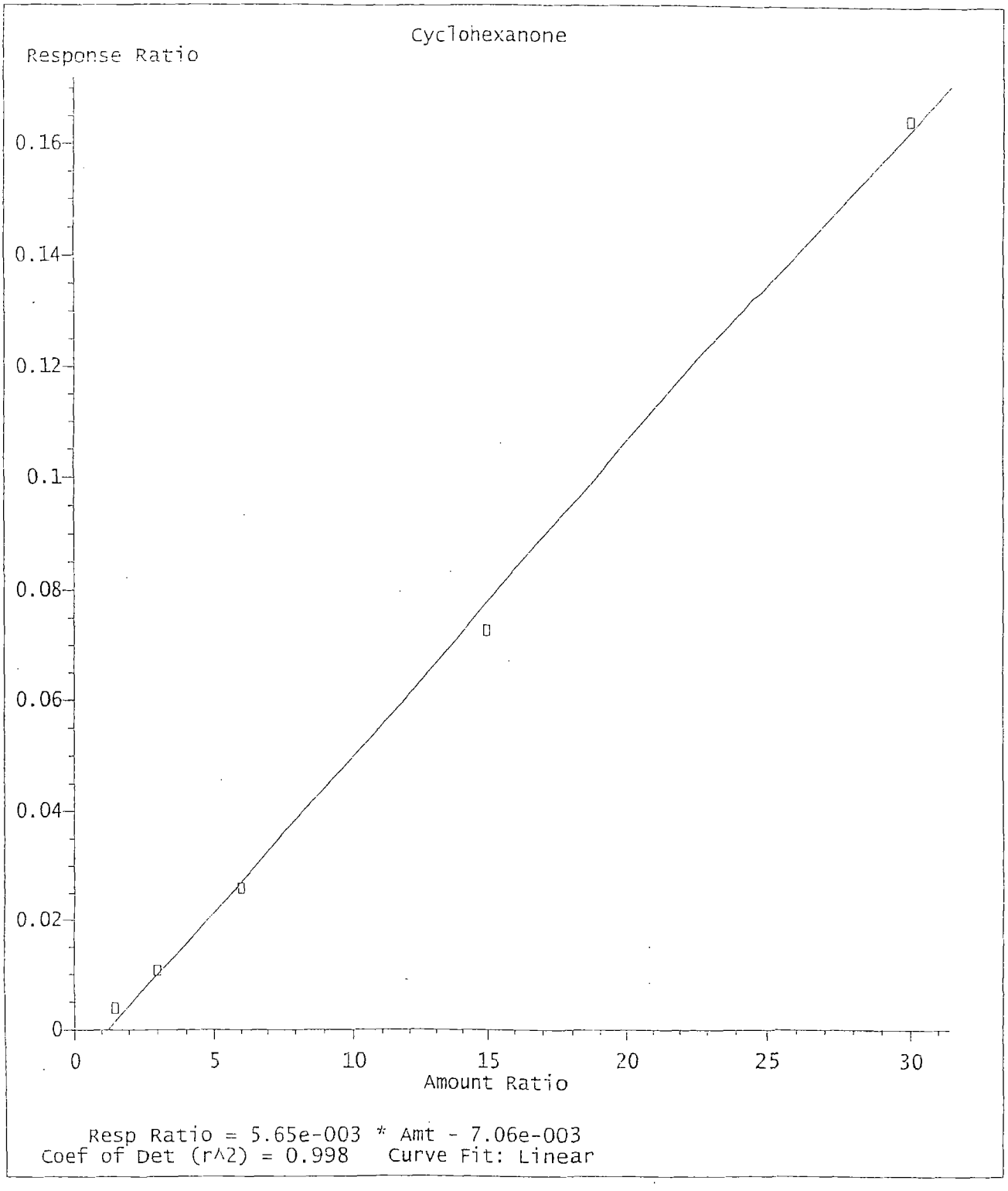
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



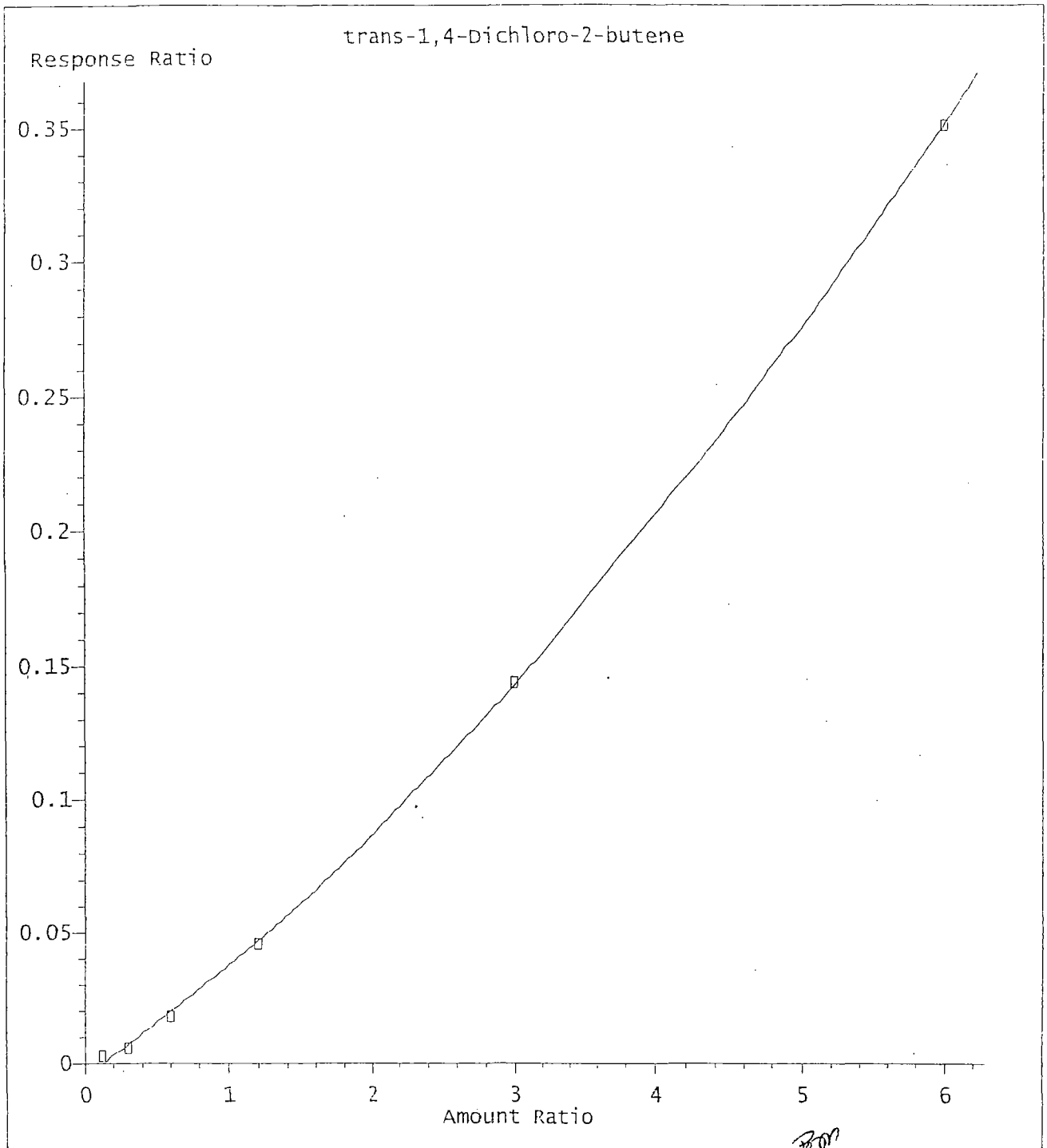
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



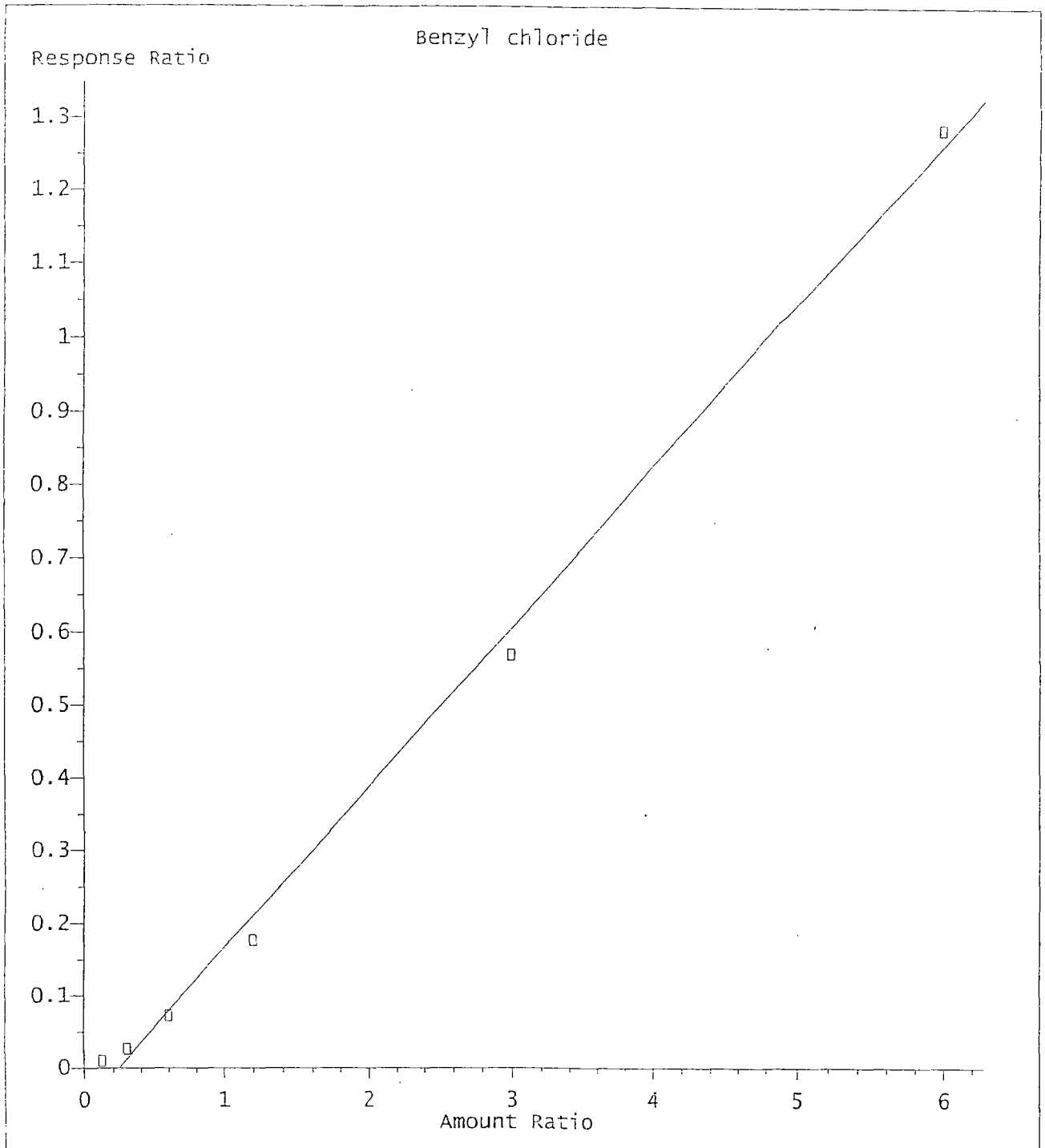
R = 3.44e-003 A*A + 3.89e-002 A - 4.81e-003
Curve Fit: Quadratic

R^2 = 1.000 6 pts

BDM

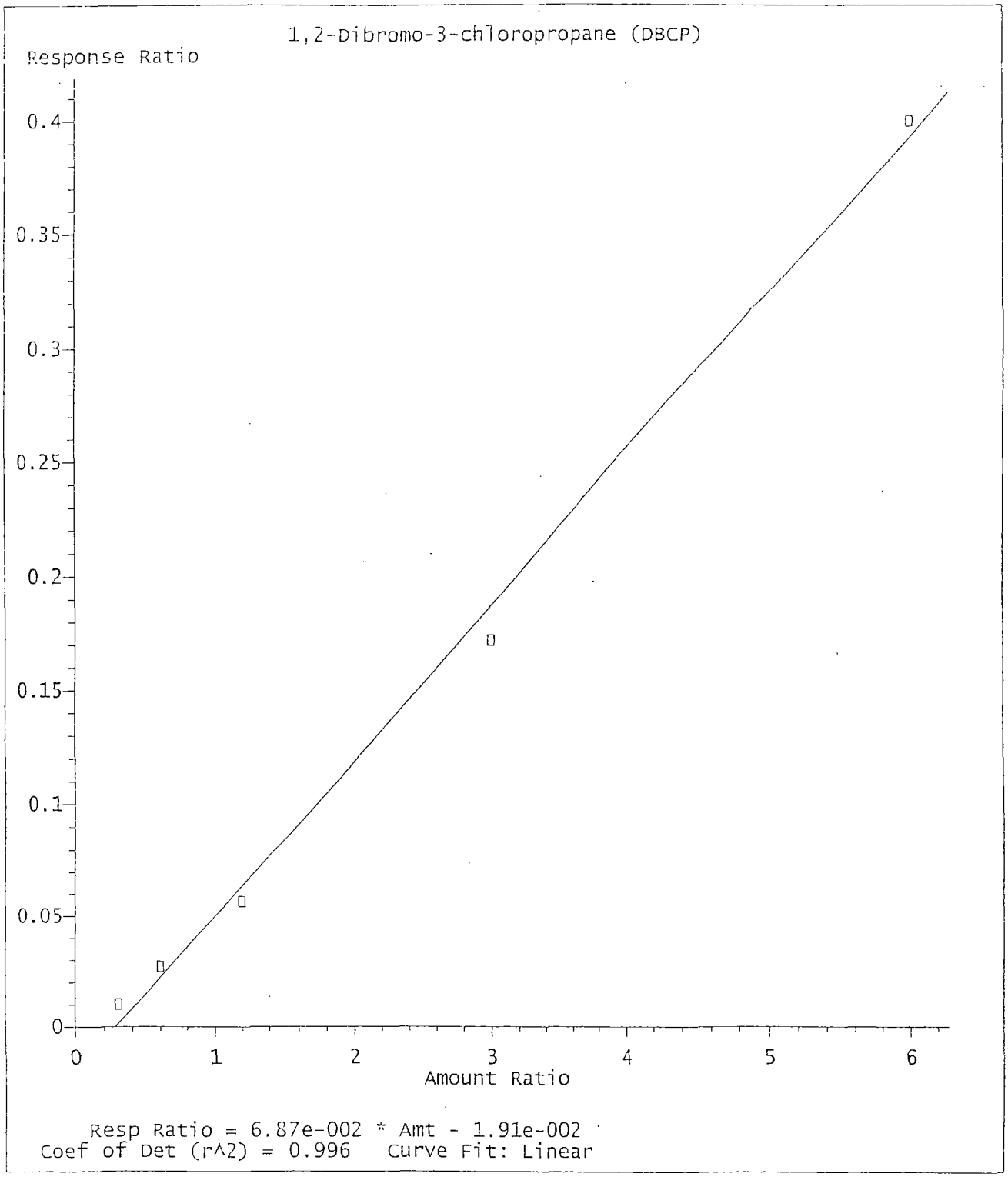
MAR 27 2007

Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

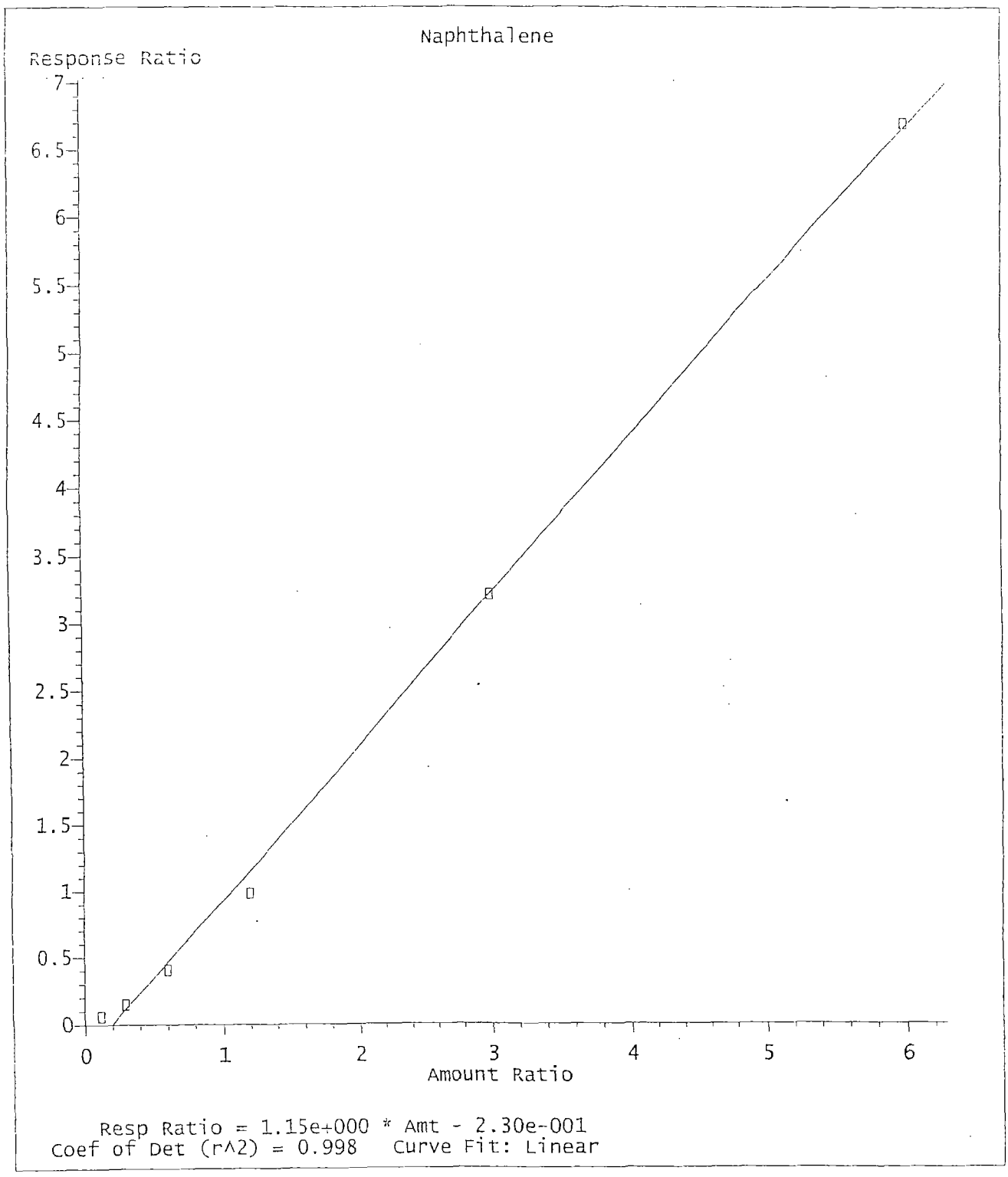


Resp Ratio = 2.20e-001 * Amt - 5.34e-002
Coef of Det (r^2) = 0.996 Curve Fit: Linear

Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

INITIAL CALIBRATION REVIEW FORM

Instrument	MSI
Date Analyzed	3/26/07
Matrix	Water

	Analyst check	Peer Reviewer check
Checked to be sure all CCC and SPCC compounds pass criteria.	✓	✓
Checked to be sure all other compounds pass one of the following criteria: RSD<20 for Avg RF, r^2>=0.995 for linear, r^2 >=0.990 for quadratic(minimum 6 points)	✓	✓
Checked to be sure correct levels were used (i.e. none inappropriately skipped).	✓	✓
Checked to be sure that there are at least 5 points for each compound.	✓	✓
Checked to be sure the internal standard concentration is correct (i.e. 16.7 for waters, 50.0 for soils).	✓	✓
Checked to be sure that lowest point matches SOP PQL.	✓	✓
Checked INITIAL CALIBRATION CHECK FORM to be sure all analytes were picked up (i.e. there were no RT values of 0).	✓	✓
Checked INITIAL CALIBRATION CHECK FORM to be sure all isomers have unique RTs (i.e. no analytes at same RT with same primary ion).	✓	✓
Checked that the quant reports for manually-integrated compounds are in the folder and the area counts match those in the method.	✓	✓
If additional compound(s) calibrated for separately, be sure they use appropriate additional levels (e.g. 1a,2a,3a,4a,5a).	N/A	✓
Included a tune file and sequence file in the ICAL folder.	✓	✓
Included a list of compounds form (shows fit) and plots for those analytes using linear regression (if applicable).	✓	✓
Print ICV form for data folder and instrument. Write NCM for failing ICVs and print NCM for data folder.	N/A	✓
Ran CALEXCEL and saved .csv file in data subdirectory.	✓	✓
Copy Data for Curve Date to Appropriate "DataForCurrentCurve" folder	✓	✓
Verify that (CCV and LCS) macro forms are picking up all analytes	✓	✓
Initial/Date	BM 3/27/07	DW 3-27-07

If new analyst or reviewing a new analyst, please take extra time and care.

Notes: BM

Sequence Name: H:\MSI.I\SEQUENCE\I032607.S
Comment:
Operator: BJP
Data Path: C:\HPCHEM\1\DATA\I032607.B\
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	Blank	~~1~~	~~I526701~~	~~I70326W~~	~~BLANK;BLANK~~
2	Blank	~~2~~	~~I326702~~	~~I70326W~~	~~BLANK;BLANK~~
3	Blank	3	I326703	~~I70326W~~	~~BLANK;BLANK~~
4	Blank	4	~~I326704~~	~~I70326W~~	~~BLANK;BLANK~~
5	Blank	5	I326705	I70326W	STD 1 PPB;ALL ANALYTES 17:12
6	Blank	6	I326706	I70326W	STD 2 PPB;ALL ANALYTES
7	Blank	7	I326707	I70326W	STD 5 PPB;ALL ANALYTES
8	Blank	8	I326708	I70326W	STD 10 PPB;ALL ANALYTES
9	Blank	9	I326709	I70326W	STD 20 PPB;ALL ANALYTES
10	Blank	10	I326710	I70326W	STD 50 PPB;ALL ANALYTES
11	Blank	11	I326711	I70326W	STD 100 PPB;ALL ANALYTES
12	Blank	~~12~~	~~I326712~~	~~I70326W~~	~~BLANK;BLANK~~
13	Blank	13	~~I326713~~	~~I70326W~~	~~BLANK;BLANK~~
14	Blank	14	~~I326714~~	~~I70326W~~	~~BLANK;BLANK~~
15	Blank	15	~~I326715~~	~~I70326W~~	~~BLANK;BLANK~~
16	Blank	~~16~~	~~I326716~~	~~I70326W~~	~~BLANK;BLANK~~
17	Blank	17	I326717	I70326W	ICV 50 PPB;COMPOSITE MIX,COMP
18	Blank	18	I326718	I70326W	ICV 50 PPB;SUPELCO MIX 5,MIX5
19	Blank	19	I326719	I70326W	ICV 50 PPB;ULTRA CUSTOM MIX,U
20	Blank	20	I326720	I70326W	ICV 50 PPB;REACTIVES MIX;RC
21	Blank	21	I326721	I70326W	ICV 50 PPB;SPECIAL ANALYTES Mix
22	Blank	22	I326722	I70326W	ICV 50 PPB;t-1,4-dichloro-2-butene Rerun
23					

not used warm up/stability check.

BJM 3/27/07

Not used - clean up check.

STL AUSTIN

PAGE #: 14

INSTRUMENT GCMS-II
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME: 3/26/07 17:12

ANALYST / DATE: BOM 3/26/07
METHOD / TEST: 8260B
SOP #: AUS-MS-0004, current revision

DAILY CHECK ✓	COLUMN CHANGED N	P&T MAINT. (Describe) N	
M PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, etc. Column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: Atune.u
Elect Mult. 1153 volts
Tuning Performance: BFB
Sampling Rate 2^N 4
Scan Range 35-300 amu
Interface: Open-Split

GC PROGRAM:

GC Meth. I70326W
Inj. Temp 150 C
Carrier Gas: Helium
Flow/Pressure 1.3
Initial Temp. 35 C
Init.Hold 2 min
Ramp 9 C/min
Final Temp. 85 C
Final Hold 0 min
2nd Ramp 30 C/min
2nd Temp 210 C
2nd Hold 4 min
3rd Ramp C/min
3rd Temp C
3rd Hold min

GC COLUMN:

Column ID#: MSVOAID 010
Phases/Loadings: RTXVMS
Capillary i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap Tekmar Velocity/Solatek
Split 120:1 Splitless

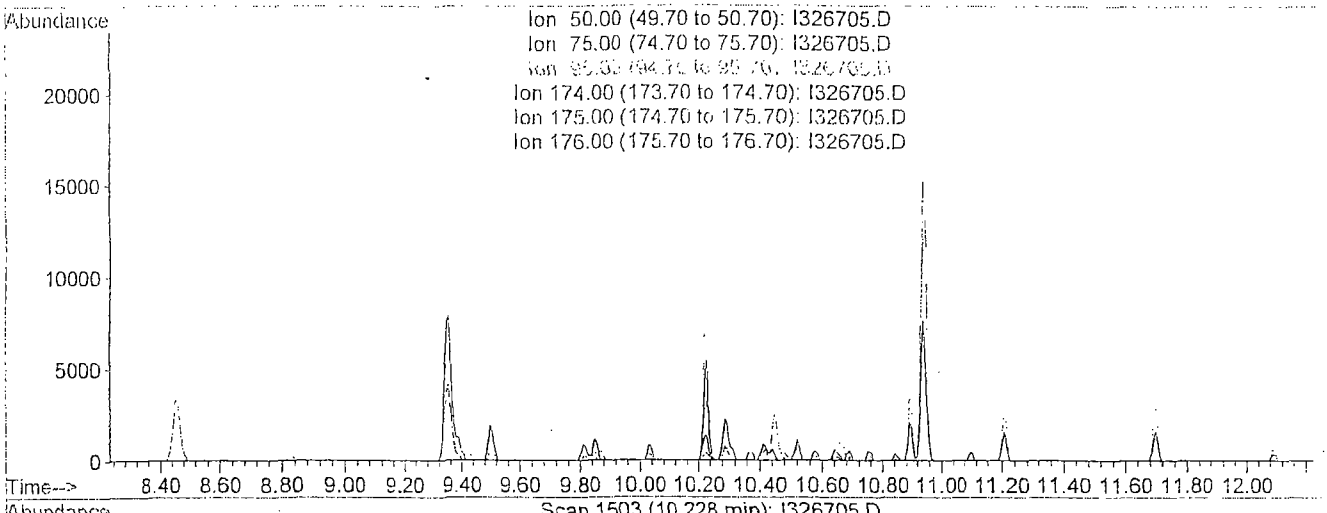
INSTRUMENT SEQUENCE:

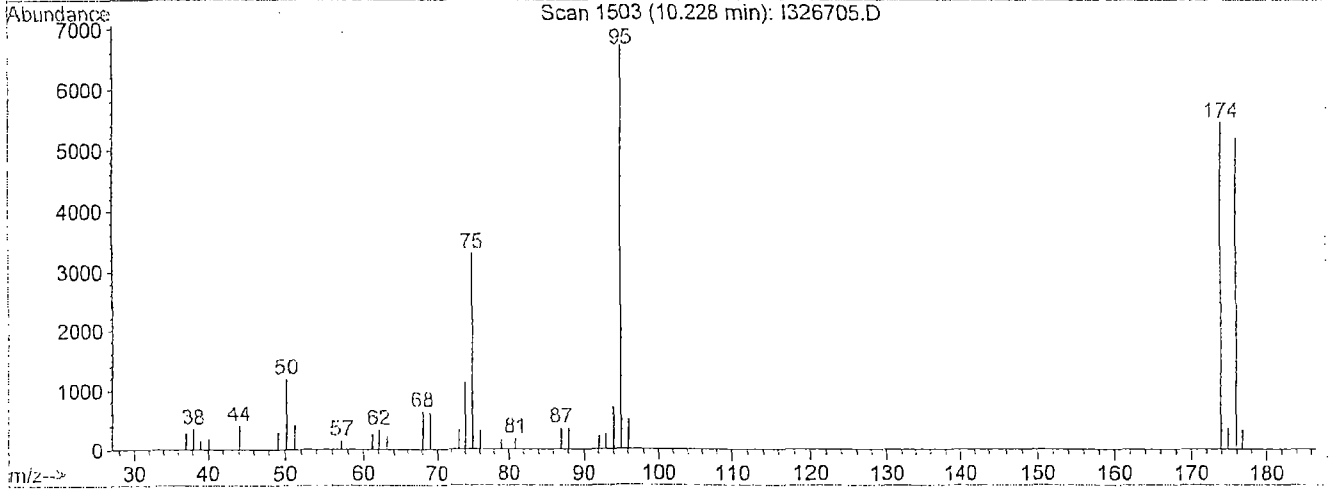
Sample Name, Sample Number, Dilution, etc. Autosampler #

1 ~~I326701 I70326W BLANK;BLANK~~
2 ~~I326702 I70326W BLANK;BLANK~~
3 ~~I326703 I70326W BLANK;BLANK~~
4 ~~I326704 I70326W BLANK;BLANK~~
} not used warm up/stability check. BOM 3/27/07
5 I326705 I70326W STD 1 PPB;ALL ANALYTES 17:12
6 I326706 I70326W STD 2 PPB;ALL ANALYTES
7 I326707 I70326W STD 5 PPB;ALL ANALYTES
8 I326708 I70326W STD 10 PPB;ALL ANALYTES
9 I326709 I70326W STD 20 PPB;ALL ANALYTES
10 I326710 I70326W STD 50 PPB;ALL ANALYTES
11 I326711 I70326W STD 100 PPB;ALL ANALYTES
12 ~~I326712 I70326W BLANK;BLANK~~
13 ~~I326713 I70326W BLANK;BLANK~~
14 ~~I326714 I70326W BLANK;BLANK~~
15 ~~I326715 I70326W BLANK;BLANK~~
16 ~~I326716 I70326W BLANK;BLANK~~
} not used - clean up check. BOM 3/27/07
17 I326717 I70326W ICV 50 PPB;COMPOSITE MIX,COMP
18 I326718 I70326W ICV 50 PPB;SUPELCO MIX 5,MIX5
19 I326719 I70326W ICV 50 PPB;ULTRA CUSTOM MIX,U
20 I326720 I70326W ICV 50 PPB;REACTIVES MIX;RC
21 I326721 I70326W ICV 50 PPB;SPECIAL ANALYTES Mix
22 I326722 I70326W ICV 50 PPB;t-1,4-dichloro-2-butene Rem

BFB

Data File : C:\HPCHEM\1\DATA\I032607.B\I326705.D Vial: 5
Acq On : 26 Mar 2007 5:12 pm Operator: BJP
Sample : STD 1 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,1uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water





Spectrum Information: Scan 1503

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	1191	PASS
75	95	30	60	49.0	3290	PASS
95	95	100	100	100.0	6721	PASS
96	95	5	9	7.4	499	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	5460	PASS
175	174	5	9	6.6	362	PASS
176	174	95	101	95.2	5199	PASS
177	176	5	9	6.3	330	PASS

Injection Log

Directory: h:\msi.i\i032607.b

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	I326701.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 11:2
2	2	I326702.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 11:5
3	3	I326703.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 12:1
4	4	I326704.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 16:3
5	5	I326705.D	1.	STD 1 PPB;ALL ANALYTES	1,1, 07MSV0245,1uL/50mL	26 Mar 07 17:1
6	6	I326706.D	1.	STD 2 PPB;ALL ANALYTES	1,1, 07MSV0245,2uL/50mL	26 Mar 07 17:3
7	7	I326707.D	1.	STD 5 PPB;ALL ANALYTES	1,1, 07MSV0245,5uL/50mL	26 Mar 07 18:0
8	8	I326708.D	1.	STD 10 PPB;ALL ANALYTES	1,1, 07MSV0245,10uL/50mL	26 Mar 07 18:3
9	9	I326709.D	1.	STD 20 PPB;ALL ANALYTES	1,1, 07MSV0245,20uL/50mL	26 Mar 07 18:5
10	10	I326710.D	1.	STD 50 PPB;ALL ANALYTES	1,1, 07MSV0245,50uL/50mL	26 Mar 07 19:2
11	11	I326711.D	1.	STD 100 PPB;ALL ANALYTES	1,1, 07MSV0245,100uL/50mL	26 Mar 07 19:5
12	12	I326712.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 20:1
13	13	I326713.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 20:4
14	14	I326714.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 21:0
15	15	I326715.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	27 Mar 07 10:0
16	16	I326716.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	27 Mar 07 10:2
17	17	I326717.D	1.	ICV 50 PPB;COMPOSITE MIX,COMP	1,1, 07MSV0231,12.5uL/50mL	27 Mar 07 11:4
18	18	I326718.D	1.	ICV 50 PPB;SUPELCO MIX 5,MIX5	1,1, 07MSV0232,12.5uL/50mL	27 Mar 07 12:1
19	19	I326719.D	1.	ICV 50 PPB;ULTRA CUSTOM MIX,ULTRA	1,1, 07MSV0233,12.5uL/50mL	27 Mar 07 12:4
20	20	I326720.D	1.	ICV 50 PPB;REACTIVES MIX,RC	1,1, 07MSV0234,12.5uL/50mL	27 Mar 07 13:1
21	21	I326721.D	1.	ICV 50 PPB;SPECIAL ANALYTES MIX,SPECIAL	1,1, 07MSV0235,12.5uL/50mL	27 Mar 07 13:4
22	22	I326722.D	1.	ICV 50 PPB;t-14-dichloro-2-butene,T14DC	1,1, 07MSV0232,12.5uL/50mL	27 Mar 07 14:2

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.17	96	522464	16.7000	PPB		-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	95790	16.7000	PPB		-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	105461	16.7000	PPB		-0.02
System Monitoring Compounds							
42) Dibromofluoromethane (Surr	5.30	113	7358	1.0296	PPB		-0.03
Spiked Amount 16.700			Recovery	=	6.17%		
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	4370	1.1057	PPB		-0.04
Spiked Amount 16.700			Recovery	=	6.65%		
64) Toluene-d8 (Surr)	7.98	98	28580	0.9336	PPB		0.00
Spiked Amount 16.700			Recovery	=	5.57%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	9641	1.0480	PPB		-0.02
Spiked Amount 16.700			Recovery	=	6.29%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.48	85	14016	1.0373	PPB		99
3) Chloromethane (SPCC)	1.65	50	12868	1.0055	PPB		99
4) Vinyl chloride (CCC)	1.74	62	8941	1.0189	PPB		99
5) Bromomethane	2.06	94	2902	0.7033	PPB		95
6) Ethylene oxide	2.16	44	8834	19.1393	PPB		83
7) Chloroethane	2.19	64	8293	1.1150	PPB		95
8) Trichlorofluoromethane	2.34	101	15617	1.0814	PPB		91
9) Ethyl ether	2.67	59	4455	0.9114	PPB		95
11) 1,1-Dichloroethene (CCC)	2.85	96	8266	1.0403	PPB		98
12) Carbon disulfide	2.87	76	24190	1.0088	PPB		73
13) 1,1,2-Trichlorotrifluoroet	2.91	101	9562	1.0814	PPB		97
14) Propylene oxide	2.99	58	3146	4.3535	PPB	#	95
15) Iodomethane	2.98	142	7055	0.9394	PPB		98
16) Bromoethane	3.12	108	5828	1.0367	PPB		100
17) Acrolein	3.21	56	1205	3.7825	PPB		97
18) 3-Chloropropene	3.34	41	10200	0.9512	PPB		99
19) Methylene chloride	3.45	84	8374	1.0513	PPB	#	73
21) trans-1,2-Dichloroethene	3.61	96	9425	1.0334	PPB		99
22) Methyl acetate	3.65	74	1329	2.0375	PPB	#	100
23) Hexane	3.71	86	3461	0.9580	PPB		92
24) Methyl tert-butyl ether (M	3.74	73	11847	0.8717	PPB		86
25) tert-Butyl alcohol	3.86	59	2902	17.7041	PPB	#	96
26) Acetonitrile	3.99	40	1111	7.1644	PPB	#	100
27) Isopropyl ether	4.14	45	20260	0.8698	PPB		95
28) 2-Chloro-1,3-butadiene	4.23	88	5822	0.8511	PPB	#	54
29) 1,1-Dichloroethane (SPCC)	4.24	63	17244	1.0117	PPB		99
30) Acrylonitrile	4.31	53	4754	4.0745	PPB	#	54
31) Vinyl acetate	4.54	43	5001	0.6823	PPB	#	85
32) cis-1,2-Dichloroethene	4.81	96	9255	1.0238	PPB		84
33) 2,2-Dichloropropane	4.92	77	11296	0.9023	PPB	#	91
34) Cyclohexane	5.01	56	22630	0.8553	PPB		83
35) Bromochloromethane	5.01	130	3867	1.0475	PPB	#	80
36) 2-Methylhexane	5.02	43	17667	0.9372	PPB	#	85
37) Chloroform (CCC)	5.10	83	14993	1.0354	PPB	#	70
38) Carbon tetrachloride	5.23	117	9715	0.9695	PPB		98
39) 3-Methylhexane	5.22	57	7682	0.9469	PPB		92
40) Ethyl acetate	5.26	43	10243m	2.1317	PPB		
41) Tetrahydrofuran	5.26	42	1178m	0.3426	PPB		
43) 1,1,1-Trichloroethane	5.31	97	11998	0.9573	PPB		99
44) 1,1-Dichloropropene	5.44	75	12693	0.9584	PPB		98

(m) manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45) 2-Butanone (MEK)	5.45	43	1061	0.9283	PPB		97
46) Benzene	5.71	78	40983	1.0282	PPB		91
47) Heptane	5.69	57	6888	0.8828	PPB		95
49) Methacrylonitrile	5.77	67	5752	3.9024	PPB	#	77
51) 1,2-Dichloroethane	5.93	62	8511	1.0222	PPB		95
52) Isobutyl alcohol	6.01	43	756	136.5361	PPB	#	67
53) Methylcyclohexane	6.34	83	43705	2.5401	PPB		97
54) Trichloroethene	6.36	130	9345	1.0112	PPB		95
55) Dibromomethane	6.83	93	2999	1.0360	PPB		93
56) n-Butanol	6.82	56	546	118.7623	ug/L	#	75
57) 1,2-Dichloropropane (CCC)	6.96	63	8102	0.9651	PPB		92
58) Bromodichloromethane	7.04	83	8249	0.9296	PPB		99
60) Methyl methacrylate	7.25	69	1292	3.0060	PPB		85
61) 1-Bromo-2-chloroethane	7.59	63	7202	0.9151	PPB	#	90
62) cis-1,3-Dichloropropene	7.78	75	8287	0.7662	PPB		95
63) 2-Chloroethyl vinyl ether	7.75	63	898	0.5495	PPB	#	65
66) Toluene (CCC)	8.04	91	37555	0.9962	PPB		98
68) 2-Nitropropane	8.28	43	219	0.4396	PPB	#	100
69) Tetrachloroethene	8.41	164	7579	1.0057	PPB		98
70) 4-Methyl-2-pentanone (MIBK	8.44	43	1240	0.5772	PPB	#	68
71) trans-1,3-Dichloropropene	8.45	75	5808	0.7590	PPB		82
72) 1,1,2-Trichloroethane	8.59	97	4251	0.9838	PPB		88
74) Ethyl methacrylate	8.62	69	2089	3.0740	PPB		96
75) Dibromochloromethane	8.74	129	3366	0.8322	PPB		95
76) 1,3-Dichloropropane	8.83	76	8553	0.9765	PPB		97
77) 1,2-Dibromoethane (EDB)	8.93	107	3233	0.8920	PPB		97
79) Chlorobenzene (SPCC)	9.36	112	23103	1.0665	PPB		91
80) 1-Chlorohexane	9.35	55	10946	1.2414	PPB		82
81) Ethylbenzene (CCC)	9.39	106	12343	0.9807	PPB		70
82) 1,1,1,2-Tetrachloroethane	9.41	131	5892	0.9730	PPB	#	1
83) m&p-Xylene	9.50	106	29329	1.9301	PPB		97
84) o-Xylene	9.81	106	12139	0.8891	PPB		97
85) Bromoform (SPCC)	9.87	173	1298	0.7757	PPB		94
86) Styrene	9.85	104	12873	0.6734	PPB		92
87) Isopropylbenzene	10.03	105	31850	0.9044	PPB		97
88) Bromobenzene	10.29	156	5907	0.9279	PPB	#	89
89) n-Propylbenzene	10.31	120	8207	0.8742	PPB	#	74
90) 1,1,2,2-Tetrachloroethane	10.37	83	3528	0.9864	PPB		91
93) 2-Chlorotoluene	10.42	126	7540	1.0006	PPB		99
95) 1,2,3-Trichloropropane	10.45	110	1155	0.9893	PPB		89
96) trans-1,4-Dichloro-2-buten	10.48	89	150	2.6423	PPB	#	1
97) 3-Ethyltoluene	10.37	105	27239	0.8949	PPB	#	72
98) 4-Chlorotoluene	10.52	126	7065	0.9390	PPB	#	80
99) 1,3,5-Trimethylbenzene	10.44	105	24200	0.9094	PPB		71
100) 2-Ethyltoluene	10.58	105	28353	0.9342	PPB	#	38
101) tert-Butylbenzene	10.65	91	14564	0.9597	PPB		89
102) Pentachloroethane	10.66	167	2093	0.9173	PPB	#	1
103) 1,2,4-Trimethylbenzene	10.69	105	22817	0.9029	PPB		85
104) sec-Butylbenzene	10.76	105	32830	0.9512	PPB		98
105) p-Isopropyltoluene	10.84	119	23092	0.8507	PPB		97
106) 1,3-Dichlorobenzene	10.90	146	12546	1.0162	PPB		94
107) 1,4-Dichlorobenzene	10.95	146	13453	1.0901	PPB		93
108) Benzyl chloride	11.11	126	436	4.3754	PPB	#	1
109) n-Butylbenzene	11.10	134	5251	0.8346	PPB	#	68
110) 1,2-Dichlorobenzene	11.21	146	9653	1.0129	PPB		97

(#) = qualifier out of range (m) = manual integration (c) = analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
111) 1,3,5-Trichlorobenzene	11.70	180	16880	2.3799 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	171	5.0464 PPB	#	1
113) Hexachlorobutadiene	12.06	225	3020	1.0197 PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	3791	0.8888 PPB		99
115) Naphthalene	12.31	128	3008	3.7531 PPB		92
116) 1,2,3-Trichlorobenzene	12.44	180	2333	0.8311 PPB		96

(#) qualifier out of range (m)=manual integration (S)=analyte in sublist

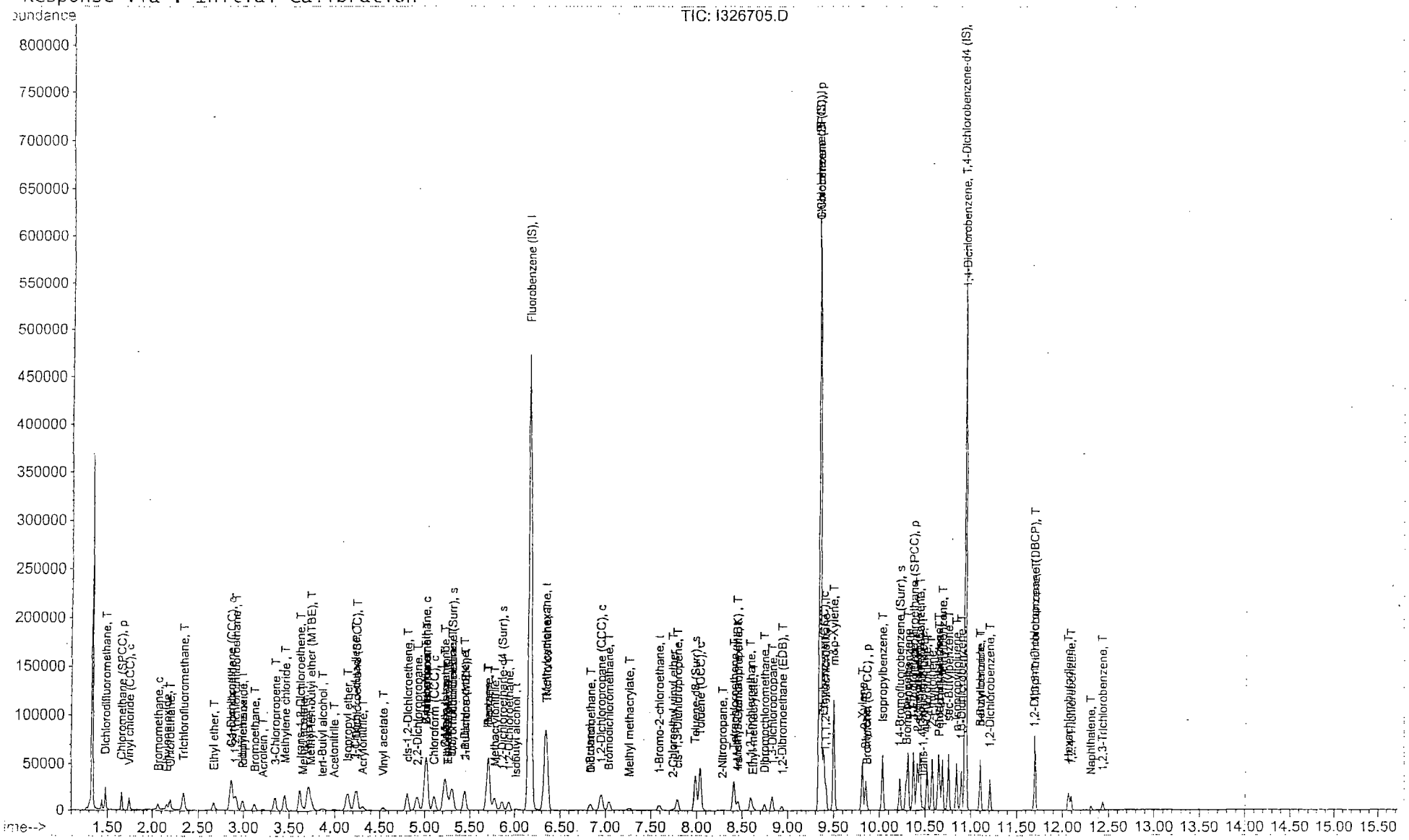
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

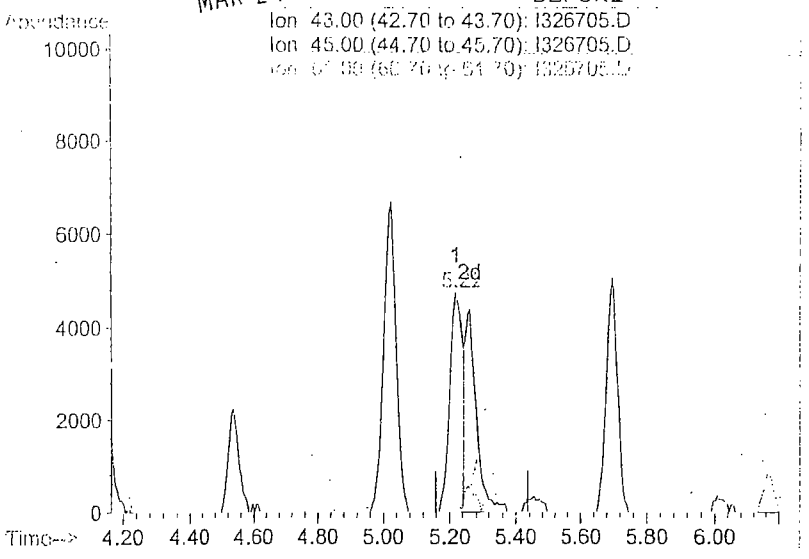


Ethyl acetate I326705.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 11:59:50 2007

BJP

MAR 27 2007

BEFORE



TIC: I326705.D

(40) Ethyl acetate (T)

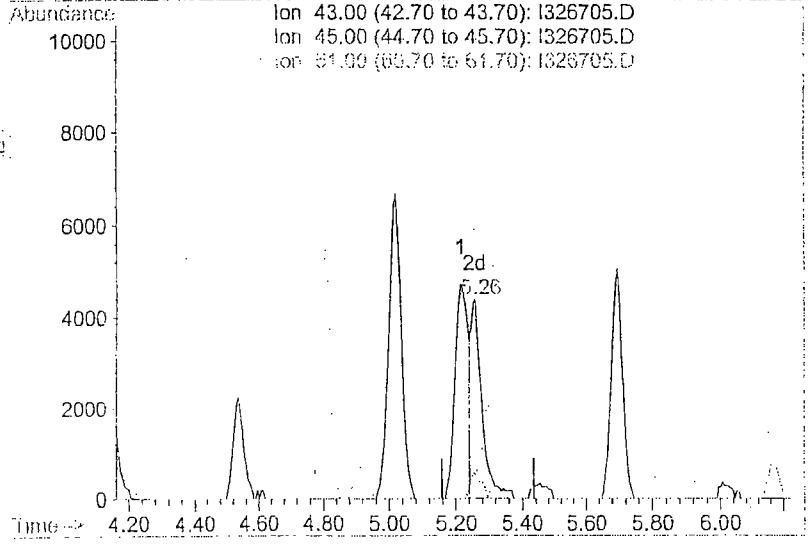
5.22min 2.62PPB

response 12589

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326705.D

(40) Ethyl acetate (T)

5.26min 2.13PPB m

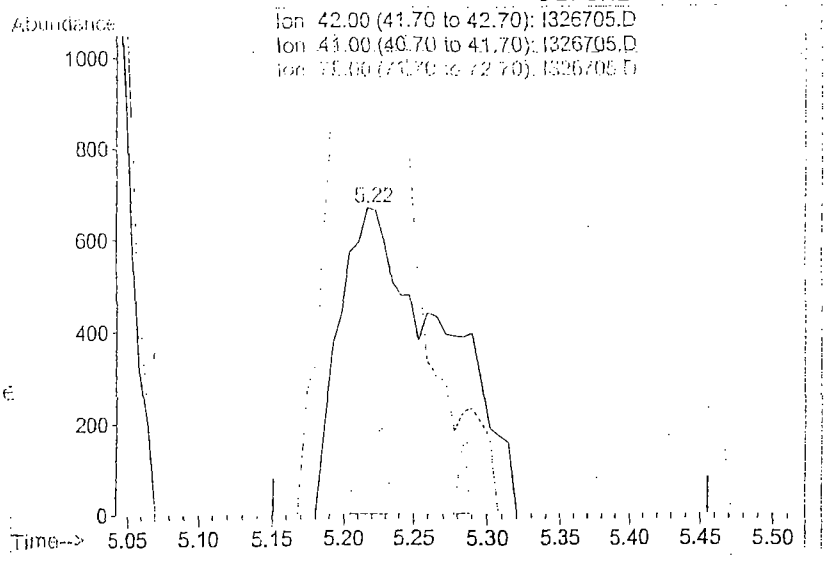
response 10243

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

Tetrahydrofuran I326705.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:02:04 2007

MAR 27 2007

BEFORE



TIC: I326705.D

(41) Tetrahydrofuran (T

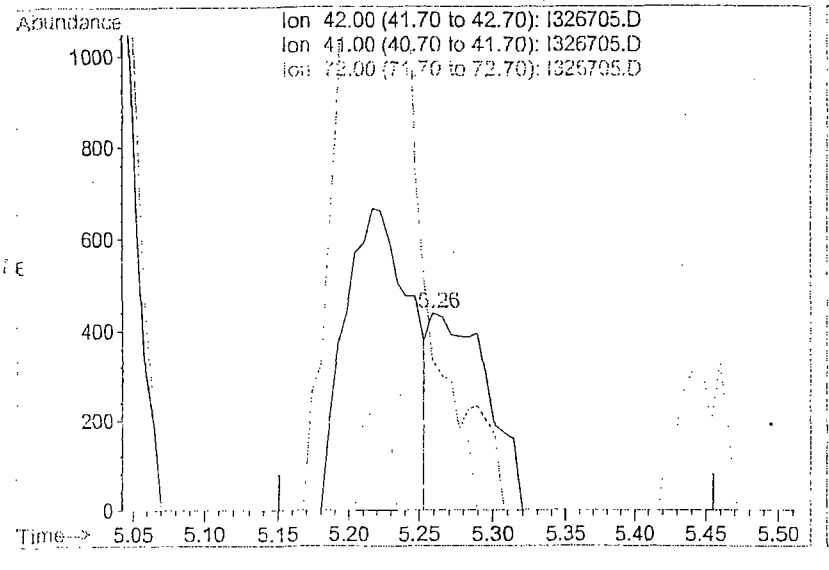
5.22min 0.97PPB

response 3335

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	240.
72.00	30.60	8.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326705.D

(41) Tetrahydrofuran (T

5.26min 0.34PPB m

response 1178

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	681.
72.00	30.60	24.7
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	533017	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	98473	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	111791	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.30	113	14732	2.0206 PPB	-0.03
Spiked Amount 16.700			Recovery	= 12.10%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	8886	2.2039 PPB	-0.04
Spiked Amount 16.700			Recovery	= 13.17%	
64) Toluene-d8 (Surr)	7.98	98	60907	1.9501 PPB	0.00
Spiked Amount 16.700			Recovery	= 11.68%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	18395	1.9451 PPB	-0.02
Spiked Amount 16.700			Recovery	= 11.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	29032	2.1061 PPB		100
3) Chloromethane (SPCC)	1.65	50	26830	2.0550 PPB		99
4) Vinyl chloride (CCC)	1.74	62	18046	2.0158 PPB		100
5) Bromomethane	2.06	94	6648	1.5792 PPB		98
6) Ethylene oxide	2.16	44	14457	30.7017 PPB		93
7) Chloroethane	2.19	64	16837	2.2190 PPB		97
8) Trichlorofluoromethane	2.34	101	31741	2.1544 PPB		91
9) Ethyl ether	2.67	59	10199	2.0453 PPB		99
11) 1,1-Dichloroethene (CCC)	2.85	96	16364	2.0187 PPB		98
12) Carbon disulfide	2.87	76	46514	1.9015 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	18973	2.1033 PPB		98
14) Propylene oxide	2.98	58	7010	9.5086 PPB	#	94
15) Iodomethane	2.98	142	14876	1.9415 PPB		99
16) Bromoethane	3.12	108	11857	2.0673 PPB		100
17) Acrolein	3.20	56	2682	8.2520 PPB		96
18) 3-Chloropropene	3.34	41	21341	1.9508 PPB		98
19) Methylene chloride	3.45	84	17155	2.1110 PPB	#	76
20) Acetone	3.51	43	1327	1.9957 PPB		67
21) trans-1,2-Dichloroethene	3.61	96	19536	2.0996 PPB		99
22) Methyl acetate	3.65	74	3466	5.2086 PPB	#	100
23) Hexane	3.71	86	7081	1.9213 PPB	#	90
24) Methyl tert-butyl ether (M	3.74	73	27010	1.9480 PPB		85
25) tert-Butyl alcohol	3.86	59	6480	38.7497 PPB	#	91
26) Acetonitrile	3.99	40	2443	15.4420 PPB	#	100
27) Isopropyl ether	4.14	45	45117	1.8986 PPB		94
28) 2-Chloro-1,3-butadiene	4.23	88	12509	1.7925 PPB		89
29) 1,1-Dichloroethane (SPCC)	4.24	63	36095	2.0758 PPB		100
30) Acrylonitrile	4.30	53	11191	9.4015 PPB	#	55
31) Vinyl acetate	4.53	43	12203	1.6319 PPB	#	88
32) cis-1,2-Dichloroethene	4.80	96	19078	2.0686 PPB		86
33) 2,2-Dichloropropane	4.91	77	23745	1.8591 PPB	#	90
34) Cyclohexane	5.01	56	46851	1.7356 PPB		81
35) Bromochloromethane	5.01	130	7931	2.1058 PPB	#	84
36) 2-Methylhexane	5.02	43	39638	2.0611 PPB	#	79
37) Chloroform (CCC)	5.11	83	30843	2.0879 PPB	#	70
38) Carbon tetrachloride	5.23	117	19775	1.9343 PPB		99
39) 3-Methylhexane	5.22	57	16818	2.0319 PPB		92
40) Ethyl acetate	5.25	43	25813m	5.2656 PPB		
41) Tetrahydrofuran	5.27	42	2789m	0.7952 PPB		
43) 1,1,1-Trichloroethane	5.31	97	25436	1.9894 PPB		99

(#) qualifier out of range (m)-manual integration (S)-analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	1,1-Dichloropropene	5.44	75	26406	1.9543 PPB		97
45)	2-Butanone (MEK)	5.45	43	2596	2.2262 PPB		85
46)	Benzene	5.71	78	85328	2.0983 PPB		98
47)	Heptane	5.69	57	15386	1.9329 PPB		96
48)	Propionitrile	5.76	54	3396	12.6033 PPB	#	11
49)	Methacrylonitrile	5.78	67	13932	9.2649 PPB	#	87
51)	1,2-Dichloroethane	5.93	62	17811	2.0968 PPB		98
52)	Isobutyl alcohol	6.01	43	2364	153.0943 PPB	#	73
53)	Methylcyclohexane	6.34	83	90031	5.1290 PPB		97
54)	Trichloroethene	6.36	130	19409	2.0587 PPB		98
55)	Dibromomethane	6.83	93	5984	2.0262 PPB		98
56)	n-Butanol	6.80	56	1953	155.5714 ug/L	#	96
57)	1,2-Dichloropropane (CCC)	6.95	63	16994	1.9843 PPB		87
58)	Bromodichloromethane	7.04	83	17050	1.8833 PPB		99
60)	Methyl methacrylate	7.26	69	2922	3.5160 PPB		81
61)	1-Bromo-2-chloroethane	7.59	63	15824	1.9708 PPB		93
62)	cis-1,3-Dichloropropene	7.79	75	19016	1.7235 PPB		97
63)	2-Chloroethyl vinyl ether	7.74	63	2153	1.2915 PPB		92
66)	Toluene (CCC)	8.04	91	79023	2.0391 PPB		98
67)	Epichlorohydrin	8.06	57	1884	7.7046 PPB	#	57
68)	2-Nitropropane	8.28	43	824	1.6089 PPB	#	100
69)	Tetrachloroethene	8.40	164	15751	2.0331 PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.43	43	3155	1.4285 PPB	#	73
71)	trans-1,3-Dichloropropene	8.45	75	13434	1.7078 PPB		83
72)	1,1,2-Trichloroethane	8.59	97	8956	2.0162 PPB		92
73)	4-Methyl-2-pentanol (MIBC)	8.54	45	1436	5.8097 PPB	#	100
74)	Ethyl methacrylate	8.62	69	5062	3.5247 PPB		92
75)	Dibromochloromethane	8.74	129	7540	1.8134 PPB		99
76)	1,3-Dichloropropane	8.83	76	18609	2.0668 PPB		99
77)	1,2-Dibromoethane (EDB)	8.93	107	7139	1.9160 PPB		98
78)	2-Hexanone	9.15	43	1414	6.0846 PPB		80
79)	Chlorobenzene (SPCC)	9.36	112	47107	2.1154 PPB		94
80)	1-Chlorohexane	9.35	55	20135	2.2213 PPB		88
81)	Ethylbenzene (CCC)	9.39	106	25915	2.0030 PPB		80
82)	1,1,1,2-Tetrachloroethane	9.41	131	12341	1.9825 PPB	#	1
83)	m&p-Xylene	9.50	106	64224	4.1113 PPB		97
84)	o-Xylene	9.81	106	26731	1.9044 PPB		96
85)	Bromoform (SPCC)	9.86	173	2907	1.6900 PPB		98
86)	Styrene	9.85	104	32232m	1.6403 PPB		
87)	Isopropylbenzene	10.03	105	70952	1.9599 PPB		99
88)	Bromobenzene	10.29	156	13148	2.0091 PPB		92
89)	n-Propylbenzene	10.31	120	18838	1.9519 PPB	#	79
90)	1,1,2,2-Tetrachloroethane	10.36	83	7553	2.0542 PPB		92
93)	2-Chlorotoluene	10.41	126	15920	1.9931 PPB		93
95)	1,2,3-Trichloropropane	10.45	110	2557	2.0662 PPB		95
96)	trans-1,4-Dichloro-2-buten	10.48	89	328	3.2721 PPB	#	1
97)	3-Ethyltoluene	10.37	105	62332	1.9318 PPB	#	72
98)	4-Chlorotoluene	10.52	126	15925	1.9966 PPB		88
99)	1,3,5-Trimethylbenzene	10.44	105	54702	1.9391 PPB		68
100)	2-Ethyltoluene	10.57	105	62871	1.9542 PPB	#	38
101)	tert-Butylbenzene	10.64	91	32373	2.0124 PPB		93
102)	Pentachloroethane	10.66	167	4335	1.7924 PPB	#	1
103)	1,2,4-Trimethylbenzene	10.69	105	51539	1.9240 PPB		78
104)	sec-Butylbenzene	10.76	105	73116	1.9985 PPB		99
105)	p-Isopropyltoluene	10.84	119	54736	1.9022 PPB		96

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
106) 1,3-Dichlorobenzene	10.90	146	27477	2.0995 PPB		95
107) 1,4-Dichlorobenzene	10.95	146	27285	2.0857 PPB		98
108) Benzyl chloride	11.10	126	1115	4.8195 PPB	#	1
109) n-Butylbenzene	11.10	134	11981	1.7964 PPB	#	63
110) 1,2-Dichlorobenzene	11.21	146	20498	2.0290 PPB		99
111) 1,3,5-Trichlorobenzene	11.70	180	37211	4.9493 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	484	5.7048 PPB	#	1
113) Hexachlorobutadiene	12.06	225	6464	2.0590 PPB		98
114) 1,2,4-Trichlorobenzene	12.09	180	8608	1.9039 PPB		99
115) Naphthalene	12.31	128	6915	4.2371 PPB		97
116) 1,2,3-Trichlorobenzene	12.44	180	5628	1.8913 PPB		98

(#) = qualifier out of range (m)=manual integration (s)=analyte in sublist

Quantitation Report

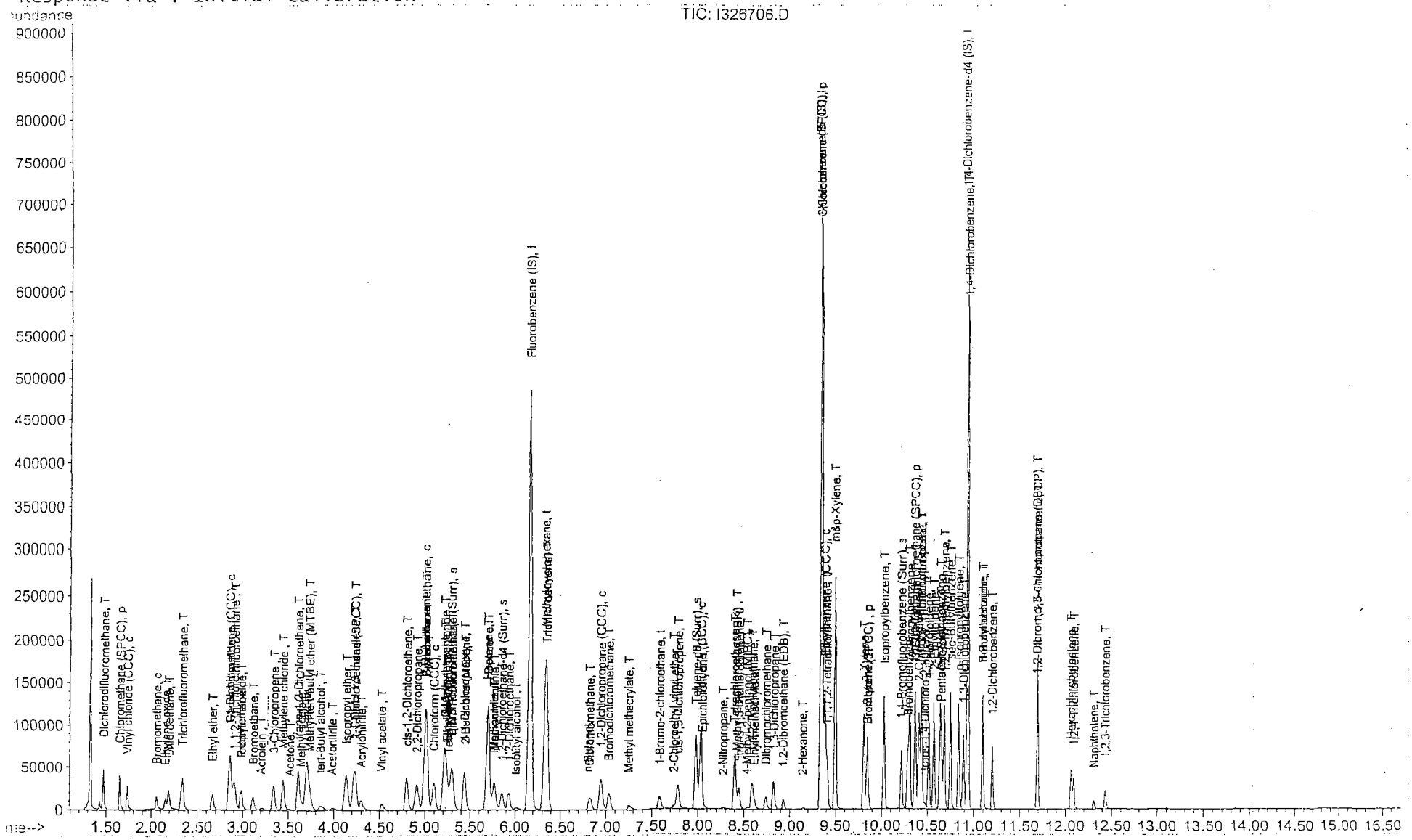
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

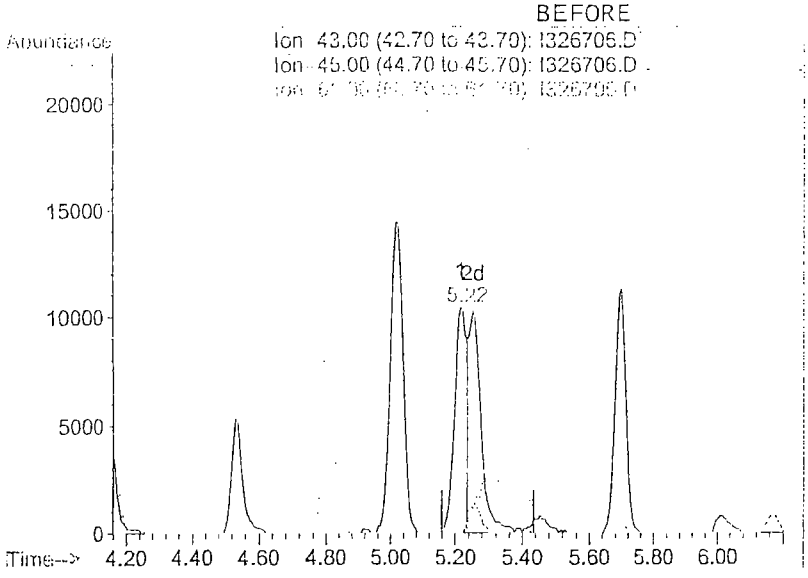
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



Ethyl acetate I326706.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:00:27 2007

MAR 27 2007

BEFORE



TIC: I326706.D

(40) Ethyl acetate (T)

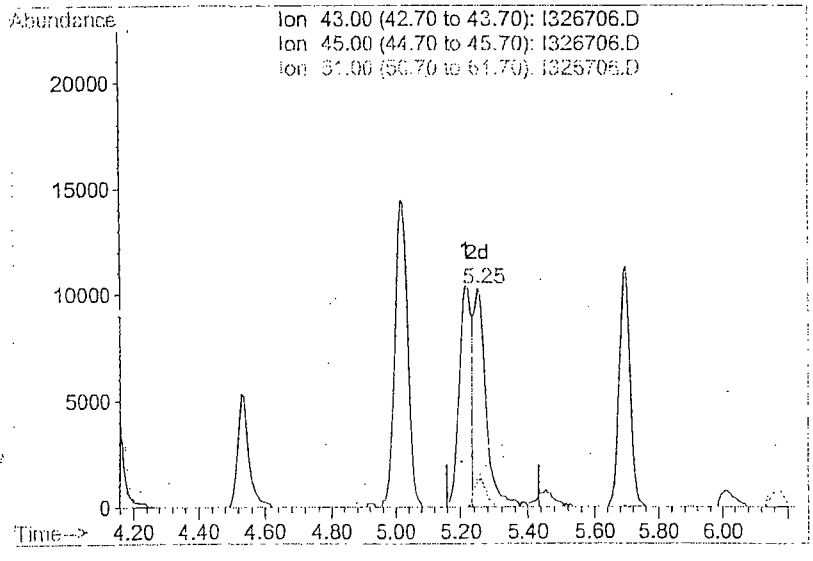
5.22min 5.27PPB

response 25856

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326706.D

(40) Ethyl acetate (T)

5.25min 5.27PPB m

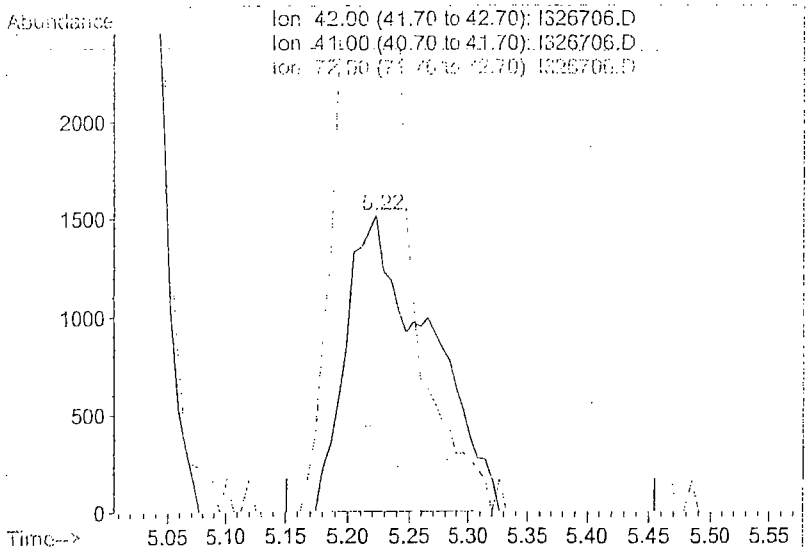
response 25813

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

Tetrahydrofuran I326706.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: ~~BJP~~ Tue Mar 27 13:02:25 2007

MAR 2 7 2007

BEFORE



TIC: I326706.D

(41) Tetrahydrofuran (T

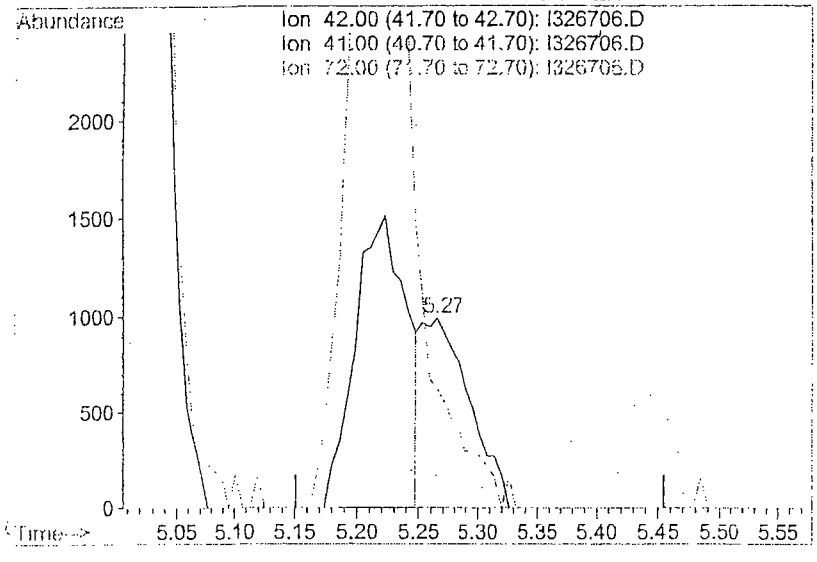
5.22min 2.04PPB

response 7148

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	237.
72.00	30.60	16.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326706.D

(41) Tetrahydrofuran (T

5.27min 0.80PPB m

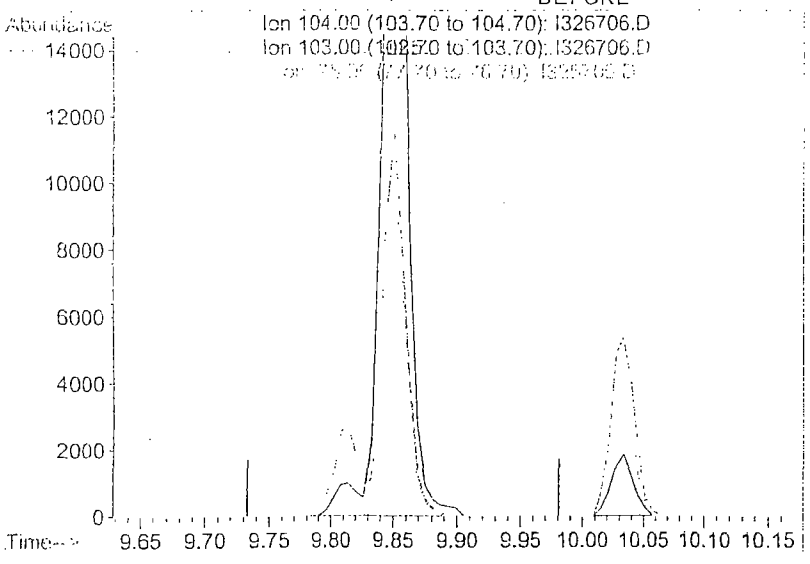
response 2789

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	607.
72.00	30.60	42.9
0.00	0.00	0.00

Styrene I326706.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:02:20 2007

MAR 27 2007

BEFORE



TIC: I326706.D

(86) Styrene (T)

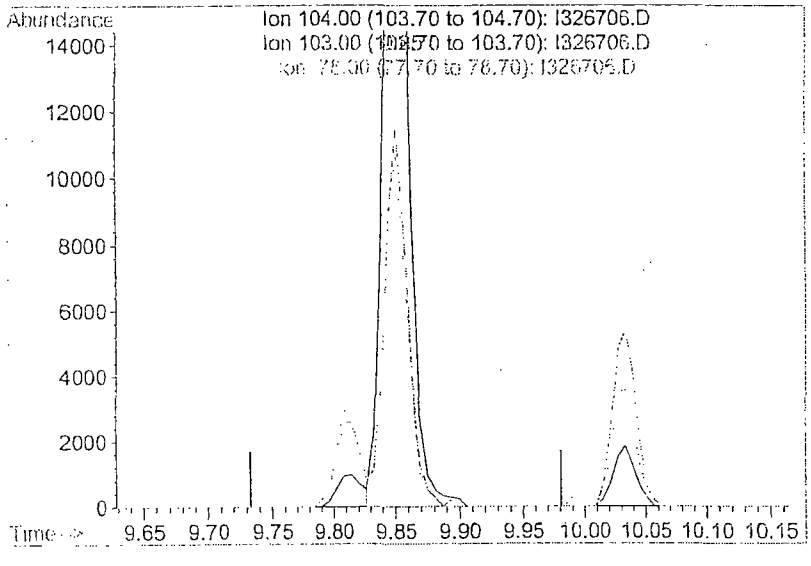
9.85min 1.71PPB

response 33638

Ion	Exp%	Act%
104.00	100	100
103.00	53.10	53.(
78.00	50.90	51.8
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326706.D

(86) Styrene (T)

9.85min 1.64PPB m

response 32232

Ion	Exp%	Act%
104.00	100	100
103.00	53.10	56.(
78.00	50.90	54.1
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	540159	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	100055	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	108630	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	35803	4.8458 PPB	-0.04
Spiked Amount 16.700			Recovery	= 29.04%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	19162	4.6896 PPB	-0.03
Spiked Amount 16.700			Recovery	= 28.08%	
64) Toluene-d8 (Surr)	7.98	98	151972	4.8015 PPB	0.00
Spiked Amount 16.700			Recovery	= 28.74%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	44685	4.6504 PPB	-0.01
Spiked Amount 16.700			Recovery	= 27.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	70110	5.0188 PPB		99
3) Chloromethane (SPCC)	1.65	50	63622	4.8086 PPB		99
4) Vinyl chloride (CCC)	1.74	62	44166	4.8682 PPB		99
5) Bromomethane	2.06	94	19180	4.4958 PPB		99
6) Ethylene oxide	2.16	44	30314	63.5254 PPB		96
7) Chloroethane	2.20	64	41219	5.3606 PPB		95
8) Trichlorofluoromethane	2.34	101	76606	5.1310 PPB		91
9) Ethyl ether	2.66	59	23225	4.5959 PPB		99
10) Ethanol	2.86	45	1566	94.9046 PPB		88
11) 1,1-Dichloroethene (CCC)	2.85	96	39745	4.8383 PPB		96
12) Carbon disulfide	2.86	76	115497	4.6590 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	44565	4.8751 PPB		99
14) Propylene oxide	2.99	58	16200	21.6837 PPB	#	92
15) Iodomethane	2.99	142	40688	5.2401 PPB		98
16) Bromoethane	3.12	108	28435	4.8922 PPB		100
17) Acrolein	3.20	56	6975	21.1771 PPB		95
18) 3-Chloropropene	3.34	41	55208	4.9800 PPB		98
19) Methylene chloride	3.45	84	39623	4.8114 PPB	#	75
20) Acetone	3.51	43	3030	4.4966 PPB		82
21) trans-1,2-Dichloroethene	3.61	96	46414	4.9224 PPB		98
22) Methyl acetate	3.64	74	7789	11.5503 PPB		100
23) Hexane	3.71	86	18317	4.9042 PPB		95
24) Methyl tert-butyl ether (M	3.74	73	62414	4.4419 PPB	#	72
25) tert-Butyl alcohol	3.85	59	14118	83.3078 PPB	#	96
26) Acetonitrile	3.98	40	2932m	18.2879 PPB		
27) Isopropyl ether	4.14	45	111007	4.6096 PPB		97
28) 2-Chloro-1,3-butadiene	4.22	88	32826	4.6418 PPB		98
29) 1,1-Dichloroethane (SPCC)	4.24	63	85831	4.8708 PPB		100
30) Acrylonitrile	4.31	53	27034	22.4109 PPB	#	99
31) Vinyl acetate	4.53	43	29978	3.9559 PPB	#	93
32) cis-1,2-Dichloroethene	4.80	96	46317	4.9557 PPB		96
33) 2,2-Dichloropropane	4.92	77	59838	4.6231 PPB	#	97
34) Cyclohexane	5.01	56	118352	4.3265 PPB		83
35) Bromochloromethane	5.01	130	18165	4.7592 PPB		96
36) 2-Methylhexane	5.02	43	99273	5.0938 PPB	#	80
37) Chloroform (CCC)	5.10	83	72565	4.8473 PPB	#	71
38) Carbon tetrachloride	5.23	117	49759	4.8028 PPB		98
39) 3-Methylhexane	5.22	57	41207	4.9127 PPB		93
40) Ethyl acetate	5.25	43	57339m	11.5420 PPB		
41) Tetrahydrofuran	5.26	42	5686m	1.5997 PPB		

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D Vial: 7
Acq On : 26 Mar 2007 6:05 pm Operator: BJP
Sample : STD 5 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 1,1,1-Trichloroethane	5.30	97	62855	4.8510	PPB		98
44) 1,1-Dichloropropene	5.44	75	65848	4.8089	PPB		98
45) 2-Butanone (MEK)	5.44	43	5638	4.7710	PPB		94
46) Benzene	5.71	78	203831	4.9461	PPB		98
47) Heptane	5.69	57	40248	4.9893	PPB		96
48) Propionitrile	5.75	54	7000m	25.6351	PPB		
49) Methacrylonitrile	5.77	67	34168	22.4216	PPB	#	54
51) 1,2-Dichloroethane	5.93	62	41514	4.8226	PPB		99
52) Isobutyl alcohol	6.01	43	5060	180.4266	PPB	#	75
53) Methylcyclohexane	6.34	83	220585	12.4004	PPB		97
54) Trichloroethene	6.36	130	46334	4.8496	PPB		97
55) Dibromomethane	6.84	93	14061	4.6982	PPB		97
56) n-Butanol	6.81	56	4470	219.5547	ug/L	#	91
57) 1,2-Dichloropropane (CCC)	6.95	63	41170	4.7436	PPB		92
58) Bromodichloromethane	7.04	83	41470	4.5202	PPB		98
59) 1,4-Dioxane	7.30	88	1520	85.6268	PPB		92
60) Methyl methacrylate	7.25	69	7472	4.9315	PPB		84
61) 1-Bromo-2-chloroethane	7.59	63	36651	4.5044	PPB		92
62) cis-1,3-Dichloropropene	7.78	75	48972	4.3797	PPB		98
63) 2-Chloroethyl vinyl ether	7.74	63	5795	3.4301	PPB		98
66) Toluene (CCC)	8.03	91	191542	4.8643	PPB		99
67) Epichlorohydrin	8.06	57	4594	18.4901	PPB	#	51
68) 2-Nitropropane	8.26	43	1695	3.2572	PPB	#	100
69) Tetrachloroethene	8.40	164	37653	4.7834	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.43	43	7610	3.3911	PPB	#	78
71) trans-1,3-Dichloropropene	8.45	75	33728	4.2198	PPB		83
72) 1,1,2-Trichloroethane	8.59	97	21133	4.6822	PPB		93
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	2992	11.9135	PPB	#	100
74) Ethyl methacrylate	8.62	69	14804	4.9952	PPB		88
75) Dibromochloromethane	8.74	129	17736	4.1980	PPB		99
76) 1,3-Dichloropropane	8.83	76	42952	4.6950	PPB		98
77) 1,2-Dibromoethane (EDB)	8.93	107	17136	4.5264	PPB		98
78) 2-Hexanone	9.15	43	3688	7.2950	PPB		83
79) Chlorobenzene (SPCC)	9.36	112	110527	4.8848	PPB		97
80) 1-Chlorohexane	9.35	55	45169	4.9042	PPB		95
81) Ethylbenzene (CCC)	9.39	106	64744	4.9251	PPB		90
82) 1,1,1,2-Tetrachloroethane	9.41	131	28554	4.5144	PPB	#	1
83) m&p-Xylene	9.50	106	159747	10.0644	PPB		98
84) o-Xylene	9.81	106	68141	4.7779	PPB		96
85) Bromoform (SPCC)	9.86	173	6794	3.8873	PPB		98
86) Styrene	9.85	104	92029	4.6093	PPB		98
87) Isopropylbenzene	10.03	105	181377	4.9308	PPB		98
88) Bromobenzene	10.29	156	31277	4.7036	PPB		92
89) n-Propylbenzene	10.31	120	48680	4.9642	PPB	#	83
90) 1,1,2,2-Tetrachloroethane	10.36	83	16945	4.5357	PPB		90
93) 2-Chlorotoluene	10.41	126	38437	4.9521	PPB		92
94) Cyclohexanone	10.48	42	425	15.1647	PPB	#	71
95) 1,2,3-Trichloropropane	10.45	110	5730	4.7650	PPB		92
96) trans-1,4-Dichloro-2-buten	10.48	89	635	4.4738	PPB	#	1
97) 3-Ethyltoluene	10.37	105	158448	5.0536	PPB	#	35
98) 4-Chlorotoluene	10.52	126	38904	5.0196	PPB	#	87
99) 1,3,5-Trimethylbenzene	10.44	105	139883	5.1030	PPB	#	1
100) 2-Ethyltoluene	10.58	105	158587	5.0726	PPB	#	1
101) tert-Butylbenzene	10.64	91	79767	5.1028	PPB		91
102) Pentachloroethane	10.66	167	10587	4.5049	PPB	#	1

(#) = qualifier out of range (m) = manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.68	105	131254	5.0423	PPB		80
104) sec-Butylbenzene	10.76	105	181357	5.1013	PPB		100
105) p-Isopropyltoluene	10.84	119	142749	5.1052	PPB		96
106) 1,3-Dichlorobenzene	10.89	146	61775	4.8575	PPB	#	33
107) 1,4-Dichlorobenzene	10.95	146	61158	4.8111	PPB	#	21
108) Benzyl chloride	11.10	126	2855	6.0597	PPB	#	1
109) n-Butylbenzene	11.10	134	31886	4.9201	PPB	#	66
110) 1,2-Dichlorobenzene	11.21	146	46799	4.7672	PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	86367	11.8217	PPB		98
112) 1,2-Dibromo-3-chloropropan	11.69	157	1095	7.1030	PPB	#	1
113) Hexachlorobutadiene	12.07	225	14811	4.8551	PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	19231	4.3772	PPB		99
115) Naphthalene	12.31	128	16176	5.5011	PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	11912	4.1195	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

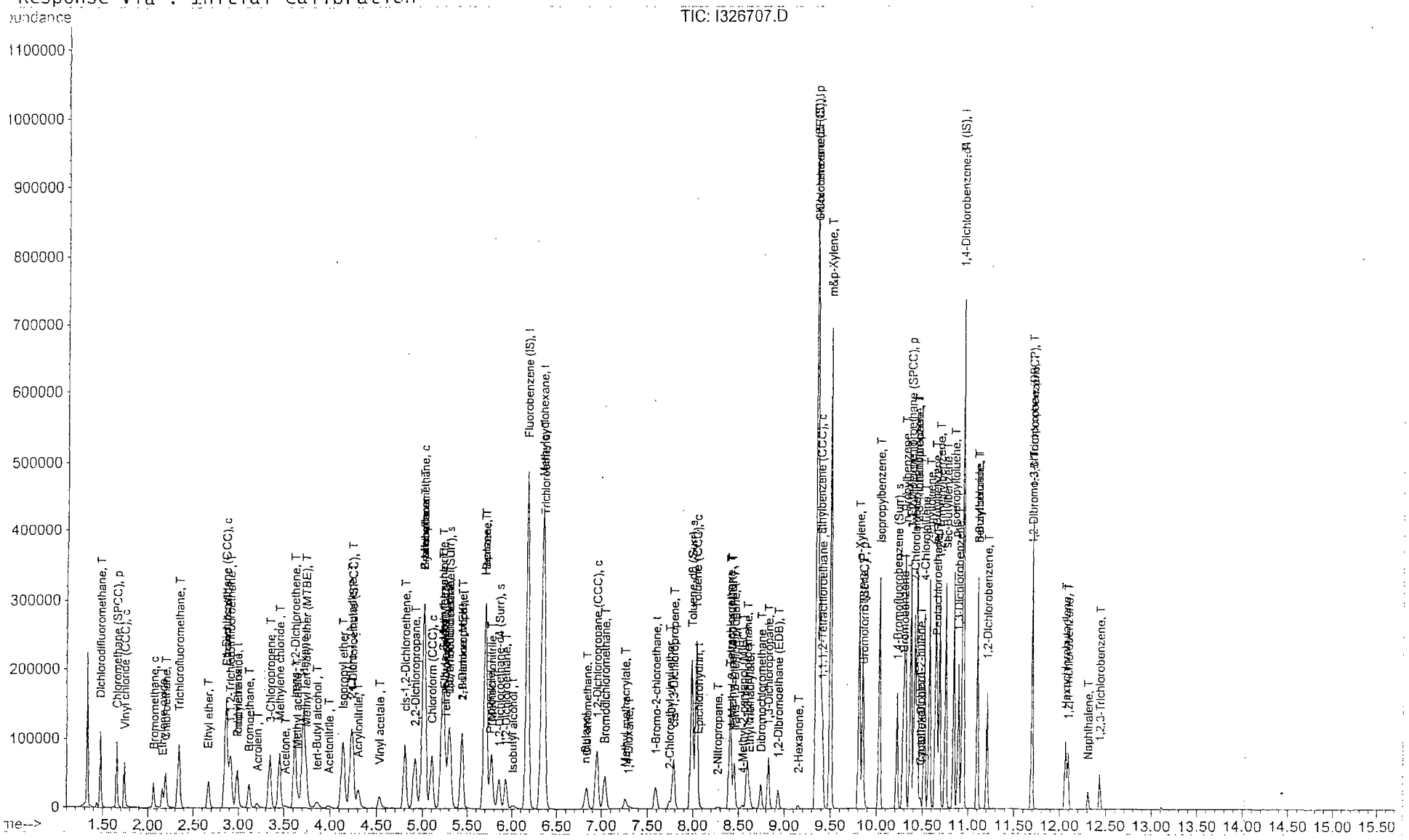
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

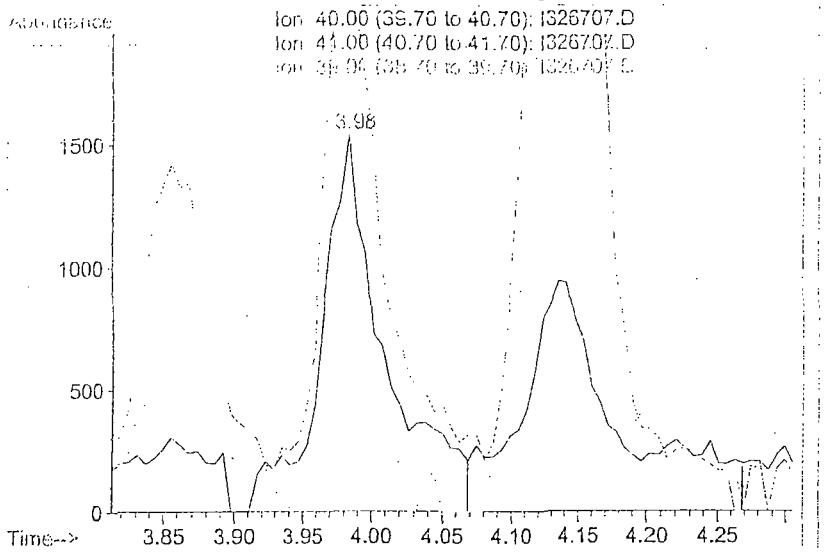


272

Acetonitrile I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:28:09 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(26) Acetonitrile (T)

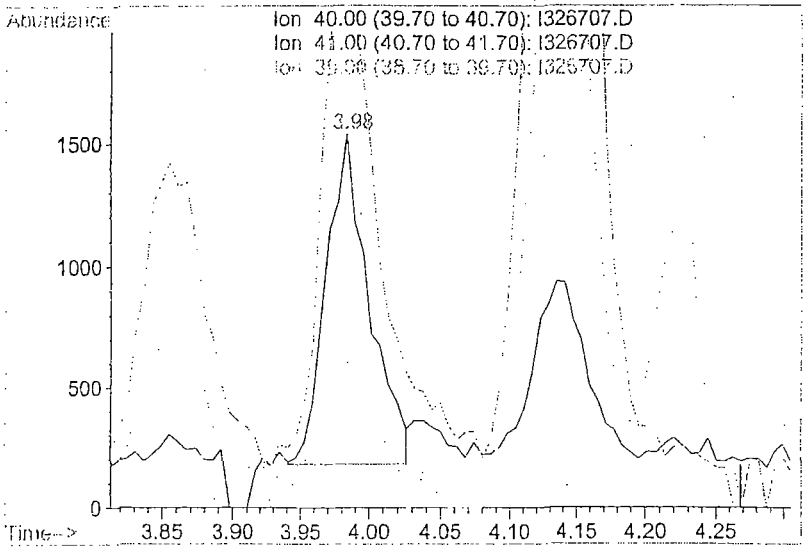
3.98min 30.96PPB

response 4964

Ion	Exp%	Act%
40.00	100	100
41.00	0.00	0.00
39.00	0.00	34.9
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326707.D

(26) Acetonitrile (T)

3.98min 18.29PPB m

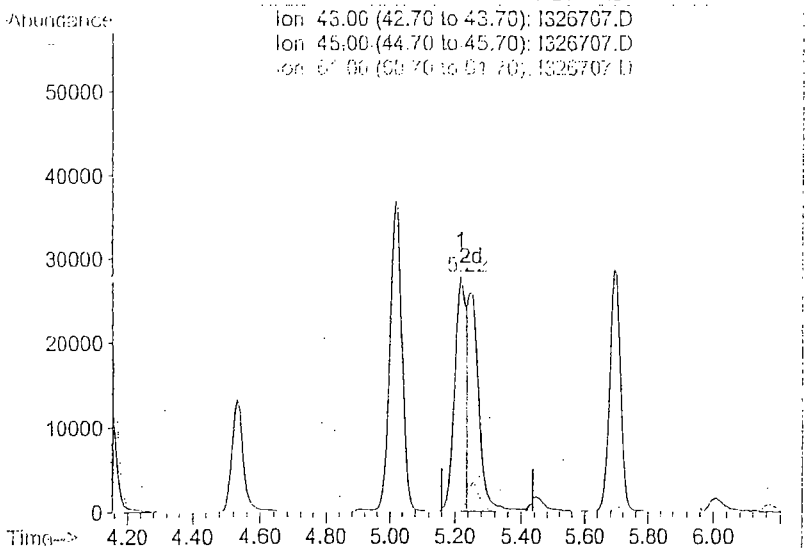
response 2932

Ion	Exp%	Act%
40.00	100	100
41.00	0.00	0.00
39.00	0.00	59.1
0.00	0.00	0.00

Ethyl acetate I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:03:04 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(40) Ethyl acetate (T)

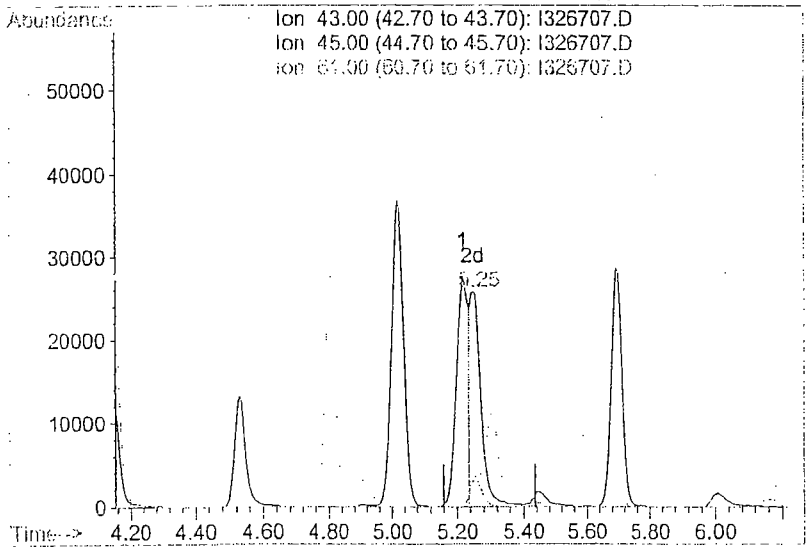
5.22min 13.86PPB

response 68846

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326707.D

(40) Ethyl acetate (T)

5.25min 11.54PPB m

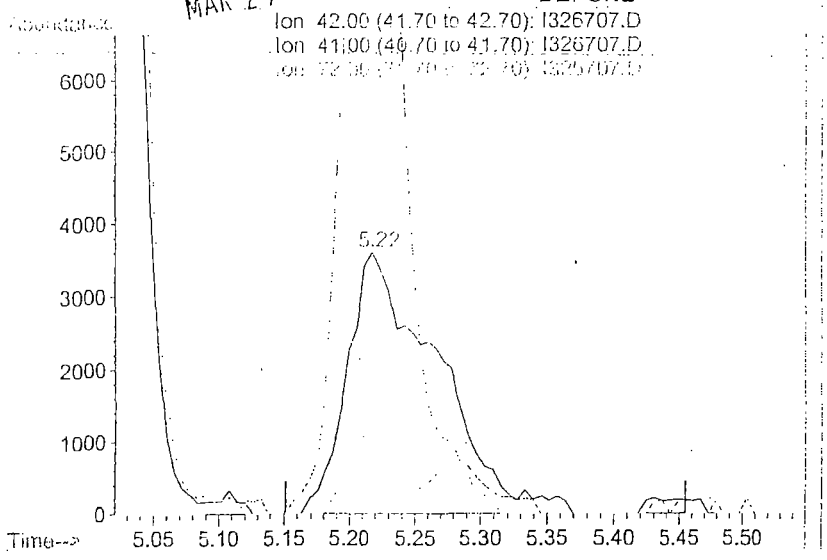
response 57339

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

Tetrahydrofuran I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJR Tue Mar 27 13:02:50 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(41) Tetrahydrofuran (T

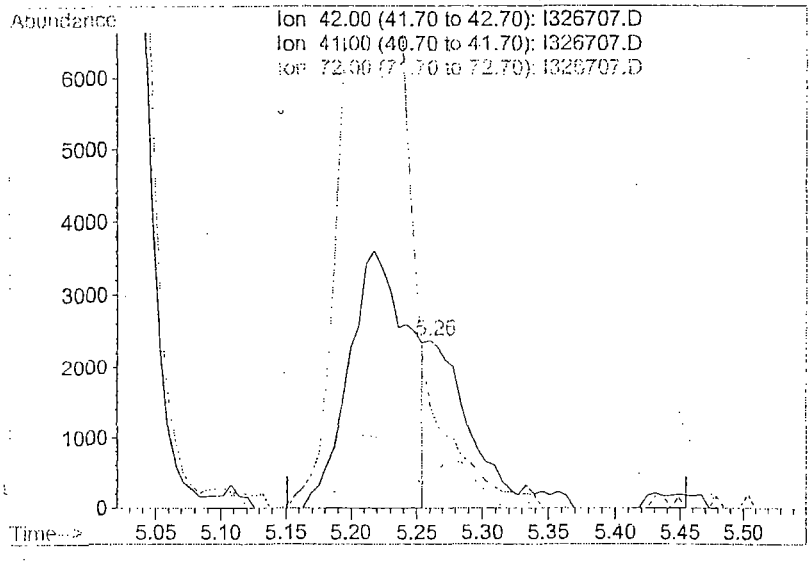
5.22min 4.85PPB

response 17245

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	233.
72.00	30.60	26.1
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326707.D

(41) Tetrahydrofuran (T

5.26min 1.60PPB m

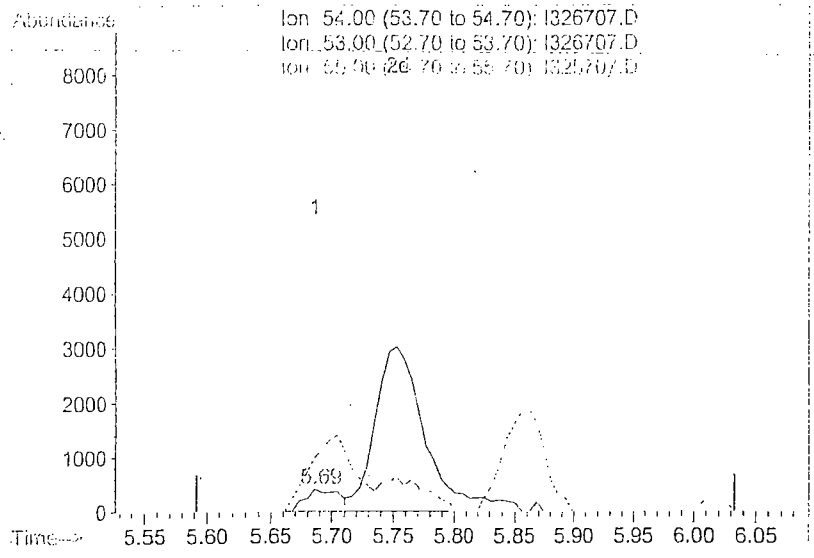
response 5686

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	709.
72.00	30.60	79.2
0.00	0.00	0.00

Propionitrile I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:04:54 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(48) Propionitrile (T)

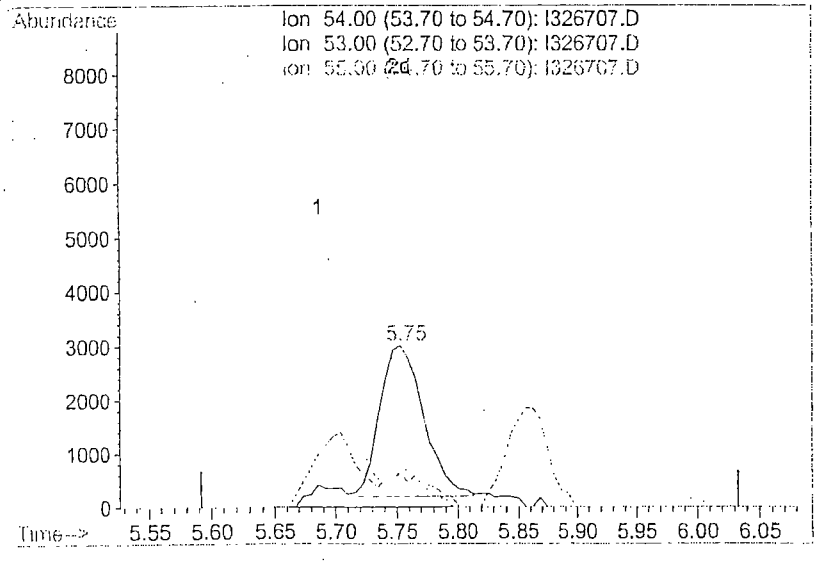
5.69min 2.82PPB

response 769

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	660.8
55.00	108.20	165[illegible]
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326707.D

(48) Propionitrile (T)

5.75min 25.64PPB m

response 7000

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	72.6
55.00	108.20	182.
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	541797	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	101525	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	112635	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	77335	10.4354 PPB	-0.04
Spiked Amount 16.700			Recovery	= 62.51%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	41368	10.0937 PPB	-0.04
Spiked Amount 16.700			Recovery	= 60.42%	
64) Toluene-d8 (Surr)	7.98	98	339420	10.6915 PPB	0.00
Spiked Amount 16.700			Recovery	= 64.01%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	101158	10.3751 PPB	-0.01
Spiked Amount 16.700			Recovery	= 62.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	145289	10.3691 PPB		99
3) Chloromethane (SPCC)	1.65	50	138373	10.4267 PPB		99
4) Vinyl chloride (CCC)	1.74	62	97464	10.7104 PPB		99
5) Bromomethane	2.06	94	47320	11.0584 PPB		98
6) Ethylene oxide	2.16	44	65298	136.4235 PPB		96
7) Chloroethane	2.19	64	85510	11.0871 PPB		97
8) Trichlorofluoromethane	2.34	101	158590	10.5900 PPB		92
9) Ethyl ether	2.66	59	51904	10.2400 PPB		99
10) Ethanol	2.83	45	3711	224.2186 PPB		99
11) 1,1-Dichloroethene (CCC)	2.86	96	85678	10.3984 PPB		97
12) Carbon disulfide	2.87	76	256428	10.3127 PPB		98
13) 1,1,2-Trichlorotrifluoroet	2.91	101	93413	10.1879 PPB		99
14) Propylene oxide	2.99	58	37064	49.4602 PPB	#	97
15) Iodomethane	2.99	142	89414	11.4806 PPB		99
16) Bromoethane	3.12	108	60185	10.3234 PPB		99
17) Acrolein	3.20	56	16146	48.8733 PPB		98
18) 3-Chloropropene	3.34	41	121147	10.8950 PPB		99
19) Methylene chloride	3.45	84	84975	10.2873 PPB	#	78
20) Acetone	3.51	43	6792	10.0490 PPB		89
21) trans-1,2-Dichloroethene	3.61	96	100157	10.5900 PPB		98
22) Methyl acetate	3.64	74	16943	25.0489 PPB	#	100
23) Hexane	3.71	86	39465	10.5344 PPB		95
24) Methyl tert-butyl ether (M	3.74	73	142608	10.1185 PPB		79
25) tert-Butyl alcohol	3.85	59	36574	215.1641 PPB	#	84
26) Acetonitrile	3.98	40	6890	42.8454 PPB	#	100
27) Isopropyl ether	4.13	45	254069	10.5183 PPB		98
28) 2-Chloro-1,3-butadiene	4.22	88	75238	10.6069 PPB		99
29) 1,1-Dichloroethane (SPCC)	4.24	63	186847	10.5714 PPB		99
30) Acrylonitrile	4.30	53	60871	50.3089 PPB	#	98
31) Vinyl acetate	4.53	43	73730	9.6999 PPB	#	96
32) cis-1,2-Dichloroethene	4.80	96	99516	10.6155 PPB		98
33) 2,2-Dichloropropane	4.91	77	134757	10.3798 PPB	#	98
34) Cyclohexane	5.01	56	253449m	9.2371 PPB		
35) Bromochloromethane	5.01	130	38671	10.1012 PPB		89
36) 2-Methylhexane	5.02	43	210347	10.7605 PPB	#	96
37) Chloroform (CCC)	5.10	83	155898	10.3823 PPB	#	75
38) Carbon tetrachloride	5.23	117	107960	10.3890 PPB		100
39) 3-Methylhexane	5.22	57	89674	10.6586 PPB		95
40) Ethyl acetate	5.25	43	152573m	30.6191 PPB		
41) Tetrahydrofuran	5.25	42	14118m	3.9600 PPB		

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D Vial: 8
Acq On : 26 Mar 2007 6:30 pm Operator: BJP
Sample : STD 10 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,10uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,1,1-Trichloroethane	5.30	97	136500	10.5028 PPB		99
44)	1,1-Dichloropropene	5.44	75	145897	10.6227 PPB		99
45)	2-Butanone (MEK)	5.44	43	11274	9.5115 PPB		93
46)	Benzene	5.71	78	433226	10.4807 PPB		98
47)	Heptane	5.69	57	88122	10.8909 PPB		97
48)	Propionitrile	5.75	54	15605m	56.9752 PPB		
49)	Methacrylonitrile	5.77	67	80570	52.7115 PPB	#	91
51)	1,2-Dichloroethane	5.93	62	88686	10.2713 PPB		100
52)	Isobutyl alcohol	6.01	43	13406	265.6294 PPB		97
53)	Methylcyclohexane	6.34	83	474575	26.5981 PPB		97
54)	Trichloroethene	6.36	130	99691	10.4027 PPB		98
55)	Dibromomethane	6.83	93	31000	10.3267 PPB		99
56)	n-Butanol	6.80	56	13460	441.4128 ug/L	#	86
57)	1,2-Dichloropropane (CCC)	6.95	63	90631	10.4110 PPB		93
58)	Bromodichloromethane	7.04	83	94153	10.2315 PPB		98
59)	1,4-Dioxane	7.29	88	4008	225.1018 PPB		96
60)	Methyl methacrylate	7.25	69	20120	8.8814 PPB		91
61)	1-Bromo-2-chloroethane	7.59	63	83082	10.1798 PPB		91
62)	cis-1,3-Dichloropropene	7.78	75	117512	10.4777 PPB		99
63)	2-Chloroethyl vinyl ether	7.74	63	15170	8.9521 PPB		98
66)	Toluene (CCC)	8.04	91	423028	10.5875 PPB		99
67)	Epichlorohydrin	8.06	57	12171	48.2771 PPB	#	74
68)	2-Nitropropane	8.28	43	4335	8.2096 PPB	#	100
69)	Tetrachloroethene	8.41	164	82371	10.3129 PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.43	43	19524	8.5740 PPB	#	82
71)	trans-1,3-Dichloropropene	8.45	75	83952	10.3514 PPB		97
72)	1,1,2-Trichloroethane	8.59	97	46851	10.2300 PPB		94
73)	4-Methyl-2-pentanol (MIBC)	8.54	45	8170	32.0601 PPB	#	100
74)	Ethyl methacrylate	8.62	69	41936	9.0327 PPB		91
75)	Dibromochloromethane	8.74	129	43257	10.0905 PPB		99
76)	1,3-Dichloropropane	8.82	76	95538	10.2919 PPB		99
77)	1,2-Dibromoethane (EDB)	8.93	107	39539	10.2928 PPB		100
78)	2-Hexanone	9.15	43	10191	10.7118 PPB		86
79)	Chlorobenzene (SPCC)	9.36	112	239617	10.4366 PPB		99
80)	1-Chlorohexane	9.35	55	95588	10.2281 PPB		98
81)	Ethylbenzene (CCC)	9.39	106	141694	10.6226 PPB		92
82)	1,1,1,2-Tetrachloroethane	9.41	131	65753	10.2450 PPB	#	1
83)	m&p-Xylene	9.50	106	349273	21.6864 PPB		98
84)	o-Xylene	9.81	106	156968	10.8468 PPB		98
85)	Bromoform (SPCC)	9.86	173	17101	9.6430 PPB		97
86)	Styrene	9.85	104	224662	11.0892 PPB		99
87)	Isopropylbenzene	10.03	105	409439	10.9697 PPB		98
88)	Bromobenzene	10.29	156	69854	10.3530 PPB	#	62
89)	n-Propylbenzene	10.31	120	108055	10.8594 PPB	#	85
90)	1,1,2,2-Tetrachloroethane	10.36	83	38270	10.0955 PPB		98
93)	2-Chlorotoluene	10.41	126	84771	10.5333 PPB		91
94)	Cyclohexanone	10.48	42	1207m	41.5364 PPB		
95)	1,2,3-Trichloropropane	10.45	110	12695	10.1815 PPB		92
96)	trans-1,4-Dichloro-2-buten	10.48	89	2014	9.2931 PPB	#	1
97)	3-Ethyltoluene	10.37	105	360233	11.0808 PPB	#	72
98)	4-Chlorotoluene	10.52	126	85344	10.6200 PPB	#	86
99)	1,3,5-Trimethylbenzene	10.44	105	313152	11.0178 PPB		58
100)	2-Ethyltoluene	10.57	105	351710	10.8499 PPB	#	4
101)	tert-Butylbenzene	10.64	91	176139	10.8672 PPB		91
102)	Pentachloroethane	10.66	167	23899	9.8076 PPB	#	1

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.69	105	292821	10.8492 PPB		80
104) sec-Butylbenzene	10.76	105	403485	10.9459 PPB		99
105) p-Isopropyltoluene	10.84	119	321771	11.0984 PPB		96
106) 1,3-Dichlorobenzene	10.90	146	135873	10.3042 PPB	#	34
107) 1,4-Dichlorobenzene	10.95	146	134851	10.2311 PPB	#	21
108) Benzyl chloride	11.10	126	8088	9.5219 PPB	#	1
109) n-Butylbenzene	11.10	134	74506	11.0876 PPB	#	64
110) 1,2-Dichlorobenzene	11.21	146	104348	10.2515 PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	197071	26.0154 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	3045	11.2252 PPB	#	1
113) Hexachlorobutadiene	12.06	225	32107	10.1506 PPB		98
114) 1,2,4-Trichlorobenzene	12.10	180	45950	10.0870 PPB		100
115) Naphthalene	12.31	128	45530	9.2082 PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	29544	9.8538 PPB		99

(#) = qualifier out of range (m) = manual integration (c) = analyte in sublist

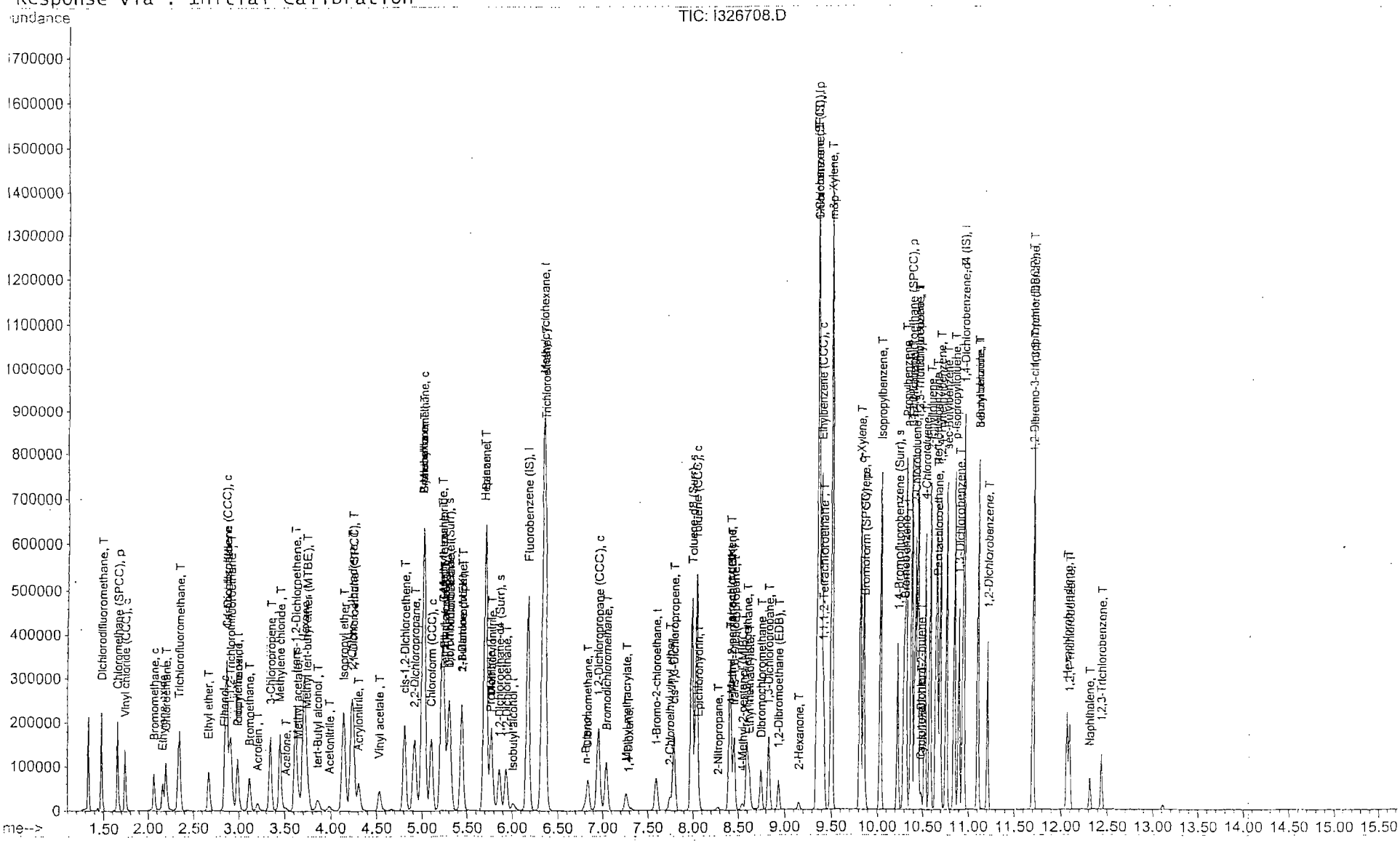
Quantitation Report Page

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



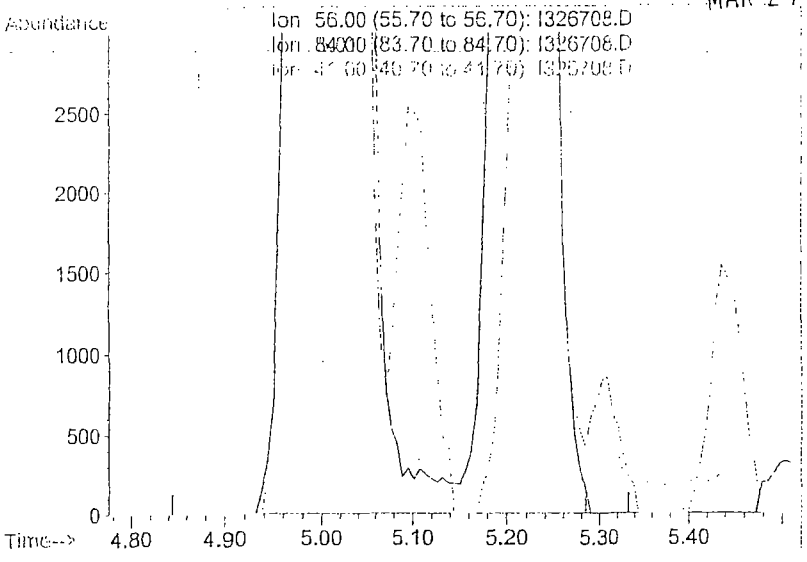
280

Cyclohexane I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:27:08 2007

BJP

MAR 27 2007

BEFORE



TIC: I326708.D

(34) Cyclohexane (T)

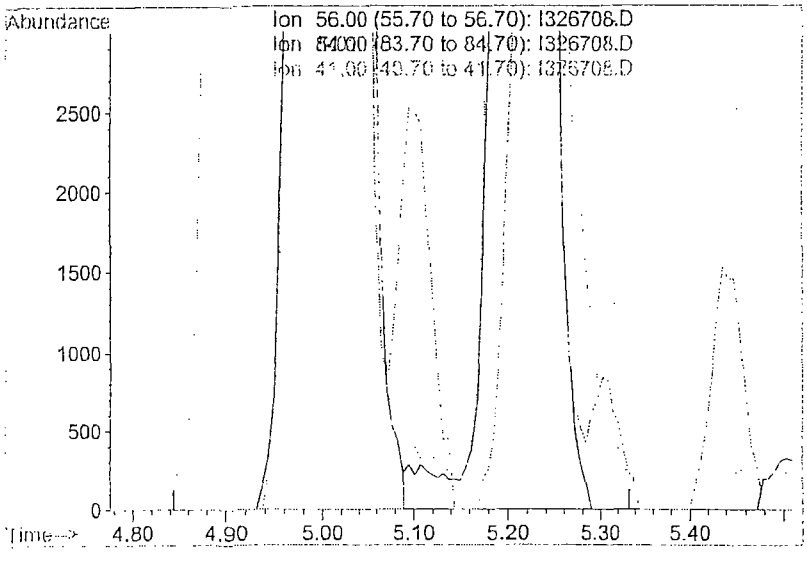
5.01min 11.86PPB

response 325409

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	62.7
41.00	82.10	105.6
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326708.D

(34) Cyclohexane (T)

5.01min 9.24PPB m

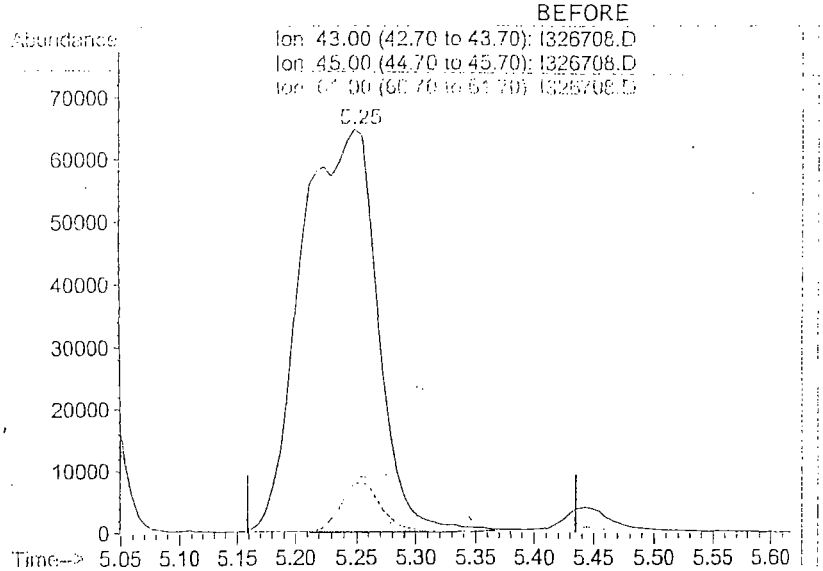
response 253449

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	80.6
41.00	82.10	135.6
0.00	0.00	0.00

Ethyl acetate I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:05:18 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(40) Ethyl acetate (T)

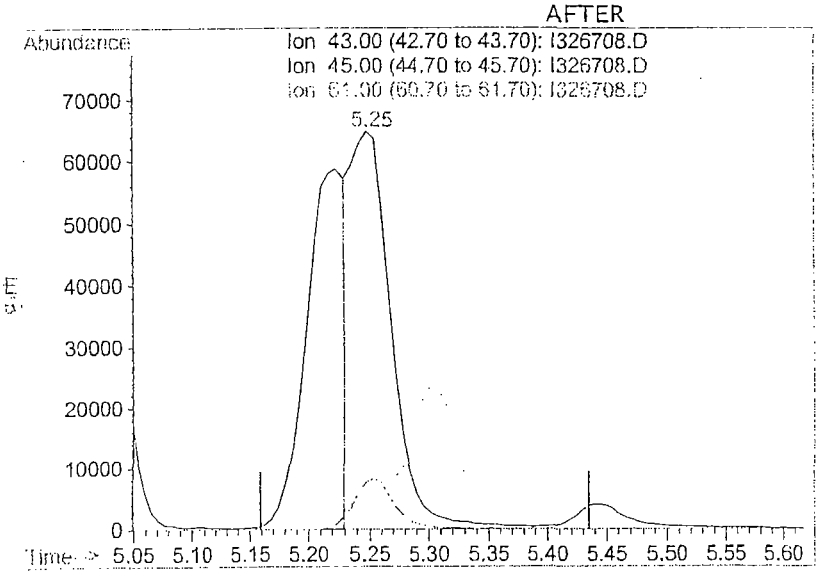
5.25min 56.42PPB

response 281153

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	6.77
61.00	29.70	29.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326708.D

(40) Ethyl acetate (T)

5.25min 30.62PPB m

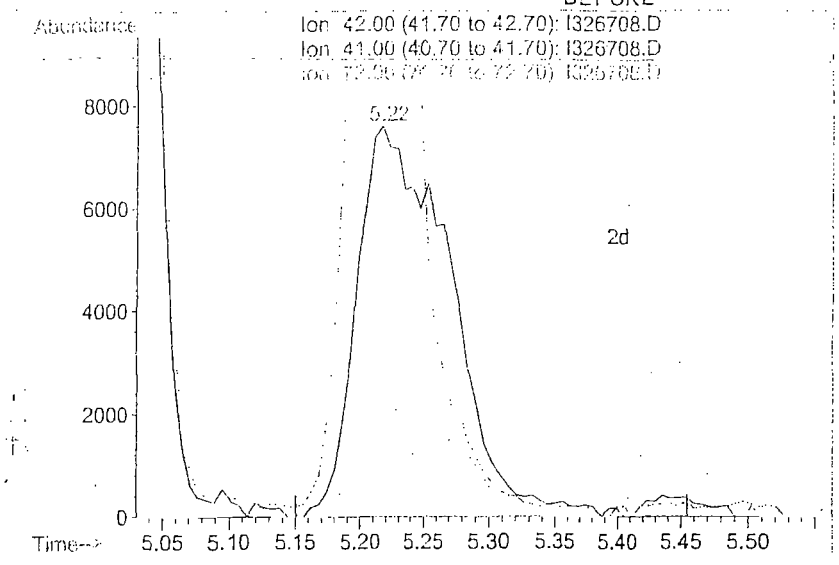
response 152573

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	12.4
61.00	29.70	54.8
0.00	0.00	0.00

Tetrahydrofuran I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BSP Tue Mar 27 13:03:06 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(41) Tetrahydrofuran (T

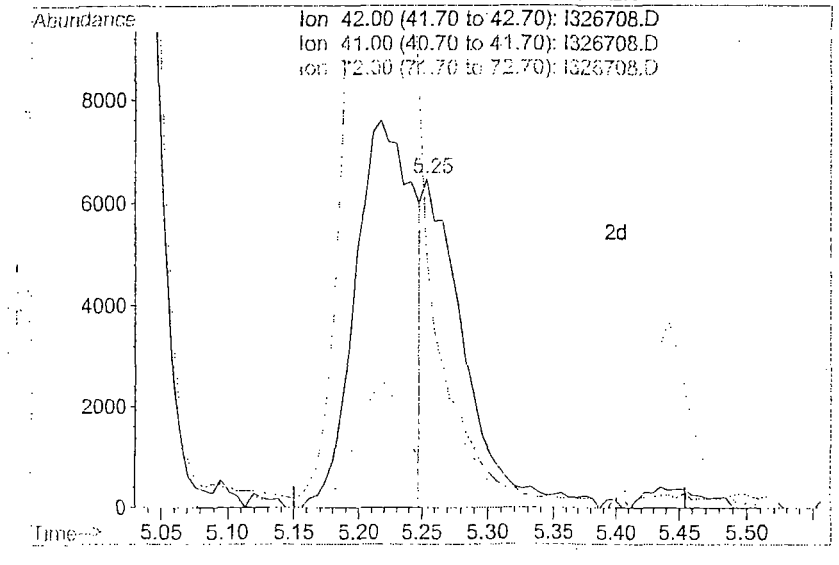
5.22min 10.72PPB

response 38235

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	227.
72.00	30.60	27.5
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326708.D

(41) Tetrahydrofuran (T

5.25min 3.96PPB m

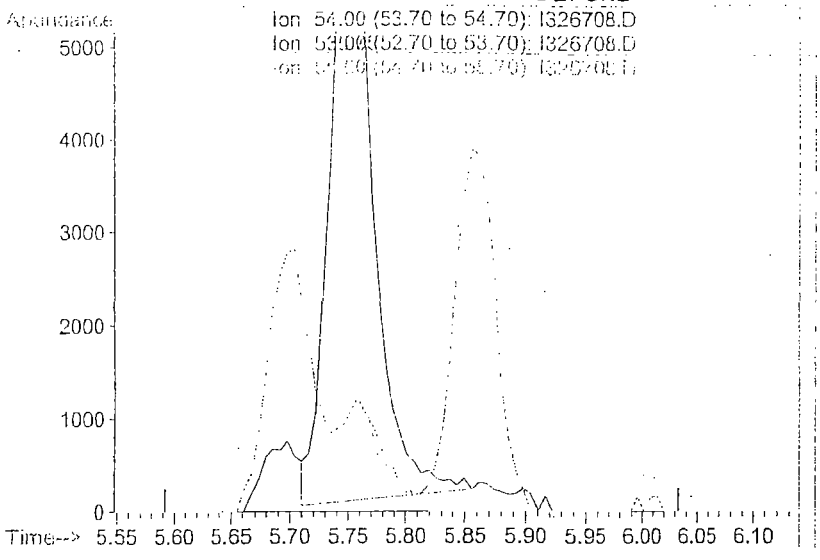
response 14118

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	616.
72.00	30.60	74.5
0.00	0.00	0.00

Propionitrile I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:07:36 2007

BJP
MAR 27 2007

BEFORE



TIC: I326708.D

(48) Propionitrile (T)

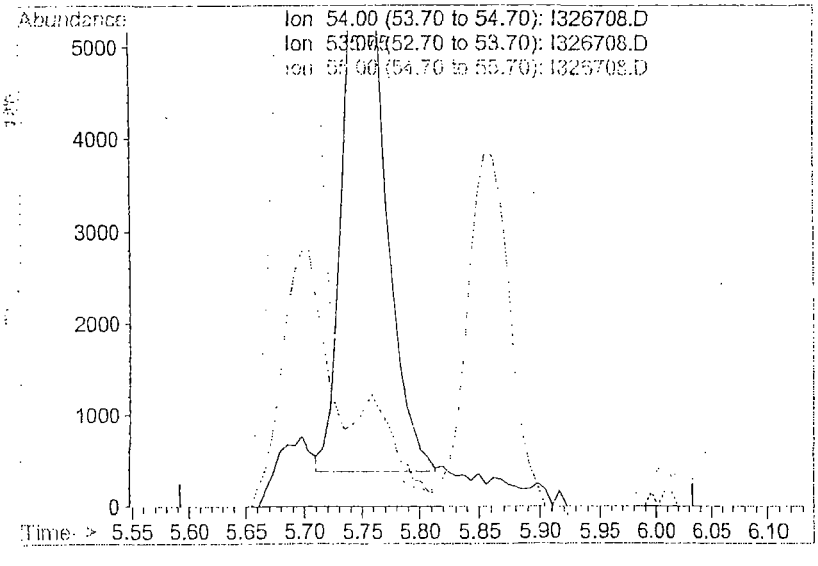
5.75min 64.03PPB

response 17538

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	0.0
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326708.D

(48) Propionitrile (T)

5.75min 56.98PPB m

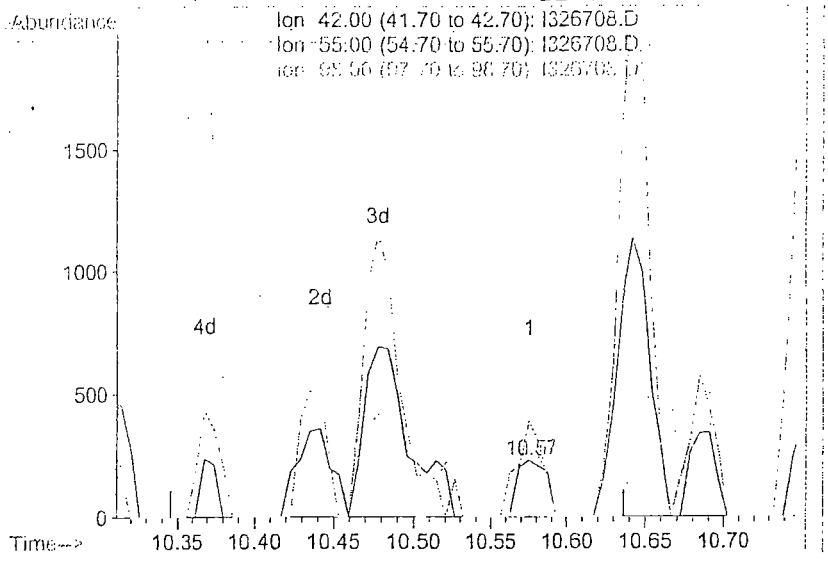
response 15605

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	0.0
0.00	0.00	0.00

Cyclohexanone I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:10:20 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(94) Cyclohexanone (T)

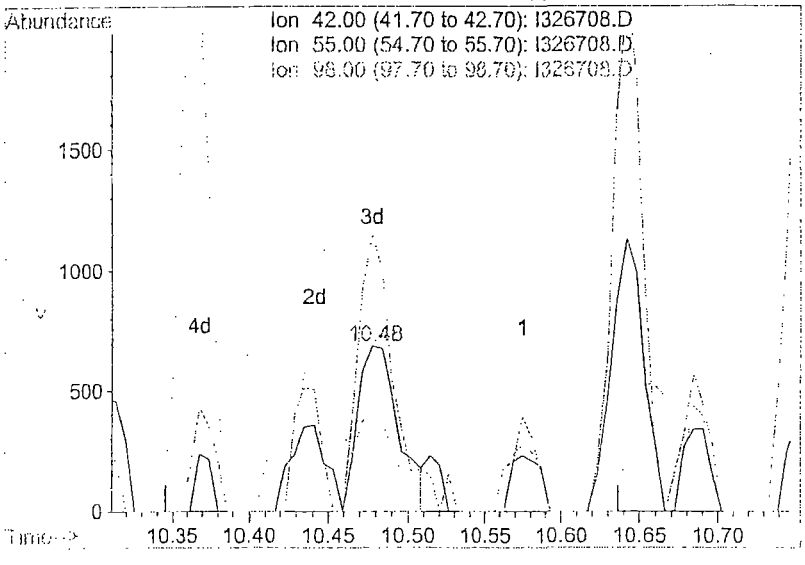
10.57min 10.39PPB

response 302

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	150.
98.00	112.90	112.
0.00	0.00	0.00

DW 3-27 ok

AFTER



TIC: I326708.D

(94) Cyclohexanone (T)

10.48min 41.54PPB m

response 1207

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	37.(
98.00	112.90	28.(
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP
MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	547153	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	104910	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	117043	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.30	113	150803	20.1498 PPB	-0.03
Spiked Amount 16.700			Recovery	= 120.66%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	81448	19.6785 PPB	-0.04
Spiked Amount 16.700			Recovery	= 117.84%	
64) Toluene-d8 (Surr)	7.98	98	667083	20.8070 PPB	0.00
Spiked Amount 16.700			Recovery	= 124.61%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	202917	20.1403 PPB	-0.01
Spiked Amount 16.700			Recovery	= 120.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	282009	19.9296 PPB		99
3) Chloromethane (SPCC)	1.65	50	264195	19.7128 PPB		99
4) Vinyl chloride (CCC)	1.74	62	183104	19.9245 PPB		100
5) Bromomethane	2.06	94	91247	21.1151 PPB		99
6) Ethylene oxide	2.16	44	120872	250.0591 PPB		100
7) Chloroethane	2.19	64	155774	19.9997 PPB		99
8) Trichlorofluoromethane	2.34	101	300084	19.8422 PPB		98
9) Ethyl ether	2.66	59	106477	20.8009 PPB		99
10) Ethanol	2.83	45	9864	590.1489 PPB		89
11) 1,1-Dichloroethene (CCC)	2.85	96	166211	19.9748 PPB		97
12) Carbon disulfide	2.86	76	515719	20.5375 PPB		99
13) 1,1,2-Trichlorotrifluoroet	2.91	101	180303	19.4718 PPB		99
14) Propylene oxide	2.99	58	76495	101.0798 PPB	#	100
15) Iodomethane	2.99	142	164096	20.8634 PPB		100
16) Bromoethane	3.12	108	116504	19.7881 PPB		100
17) Acrolein	3.20	56	33897	101.6004 PPB		99
18) 3-Chloropropene	3.34	41	234546	20.8866 PPB		99
19) Methylene chloride	3.45	84	163351	19.5821 PPB	#	79
20) Acetone	3.51	43	12909	18.9124 PPB		99
21) trans-1,2-Dichloroethene	3.61	96	190749	19.9712 PPB		97
22) Methyl acetate	3.64	74	33527	49.0818 PPB	#	100
23) Hexane	3.71	86	78243	20.6810 PPB		96
24) Methyl tert-butyl ether (M	3.73	73	299438	21.0382 PPB		88
25) tert-Butyl alcohol	3.85	59	90690	528.3049 PPB	#	90
26) Acetonitrile	3.98	40	14907	91.7915 PPB	#	100
27) Isopropyl ether	4.13	45	521307	21.3706 PPB		99
28) 2-Chloro-1,3-butadiene	4.22	88	153321	21.4033 PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	357492	20.0281 PPB		100
30) Acrylonitrile	4.30	53	125882	103.0211 PPB	#	100
31) Vinyl acetate	4.53	43	163817	21.3408 PPB	#	98
32) cis-1,2-Dichloroethene	4.80	96	188594	19.9207 PPB		99
33) 2,2-Dichloropropane	4.91	77	272496	20.7839 PPB	#	98
34) Cyclohexane	5.01	56	485984m	17.5386 PPB		
35) Bromochloromethane	5.01	130	76151	19.6965 PPB		90
36) 2-Methylhexane	5.02	43	411087	20.8237 PPB	#	94
37) Chloroform (CCC)	5.10	83	300593	19.8226 PPB	#	95
38) Carbon tetrachloride	5.23	117	213155	20.3111 PPB		100
39) 3-Methylhexane	5.22	57	176680	20.7945 PPB		96
40) Ethyl acetate	5.25	43	313858m	62.3700 PPB		
41) Tetrahydrofuran	5.25	42	31348m	8.7068 PPB		

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 1,1,1-Trichloroethane	5.30	97	266683	20.3187	PPB		100
44) 1,1-Dichloropropene	5.44	75	283732	20.4563	PPB		98
45) 2-Butanone (MEK)	5.44	43	23560	19.6823	PPB		95
46) Benzene	5.71	78	830677	19.8993	PPB		99
47) Heptane	5.69	57	173465	21.2284	PPB		98
48) Propionitrile	5.75	54	33467m	120.9948	PPB		
49) Methacrylonitrile	5.77	67	169914	110.0751	PPB	#	95
51) 1,2-Dichloroethane	5.93	62	175933	20.1766	PPB		100
52) Isobutyl alcohol	6.01	43	34925	482.2209	PPB		97
53) Methylcyclohexane	6.34	83	913145	50.6773	PPB		98
54) Trichloroethene	6.36	130	193267	19.9698	PPB		98
55) Dibromomethane	6.83	93	62190	20.5139	PPB		99
56) n-Butanol	6.80	56	40241	1034.5337	ug/L	#	95
57) 1,2-Dichloropropane (CCC)	6.95	63	179884	20.4614	PPB		94
58) Bromodichloromethane	7.04	83	192123	20.6734	PPB		100
59) 1,4-Dioxane	7.28	88	10045	558.6361	PPB		95
60) Methyl methacrylate	7.25	69	49822	18.0211	PPB		94
61) 1-Bromo-2-chloroethane	7.59	63	166596	20.2127	PPB		93
62) cis-1,3-Dichloropropene	7.78	75	248805	21.9671	PPB		99
63) 2-Chloroethyl vinyl ether	7.74	63	34886	20.3853	PPB		99
66) Toluene (CCC)	8.04	91	823359	19.9421	PPB		99
67) Epichlorohydrin	8.06	57	26972	103.5343	PPB		87
68) 2-Nitropropane	8.28	43	10365	18.9959	PPB	#	100
69) Tetrachloroethene	8.40	164	161499	19.5673	PPB		100
70) 4-Methyl-2-pentanone (MIBK	8.43	43	47958	20.3813	PPB	#	89
71) trans-1,3-Dichloropropene	8.45	75	182896	21.8237	PPB		99
72) 1,1,2-Trichloroethane	8.59	97	94785	20.0286	PPB		97
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	22936	87.0998	PPB	#	100
74) Ethyl methacrylate	8.62	69	107958	18.4141	PPB		99
75) Dibromochloromethane	8.74	129	94314	21.2906	PPB		99
76) 1,3-Dichloropropane	8.82	76	190869	19.8981	PPB		99
77) 1,2-Dibromoethane (EDB)	8.93	107	82223	20.7137	PPB		99
78) 2-Hexanone	9.15	43	26289	18.7918	PPB		82
79) Chlorobenzene (SPCC)	9.36	112	466386	19.6582	PPB		99
80) 1-Chlorohexane	9.35	55	183533	19.0047	PPB		98
81) Ethylbenzene (CCC)	9.39	106	276579	20.0658	PPB		93
82) 1,1,1,2-Tetrachloroethane	9.41	131	134068	20.2152	PPB	#	1
83) m&p-Xylene	9.50	106	696306	41.8387	PPB		99
84) o-Xylene	9.81	106	313795	20.9843	PPB		98
85) Bromoform (SPCC)	9.86	173	37359	20.3864	PPB		99
86) Styrene	9.85	104	476932	22.7816	PPB		100
87) Isopropylbenzene	10.03	105	805820	20.8929	PPB		98
88) Bromobenzene	10.29	156	142134	20.3859	PPB		94
89) n-Propylbenzene	10.31	120	213912	20.8043	PPB	#	89
90) 1,1,2,2-Tetrachloroethane	10.36	83	80164	20.4647	PPB		98
93) 2-Chlorotoluene	10.41	126	168270	20.1211	PPB		92
94) Cyclohexanone	10.48	42	3026	100.2118	PPB	#	48
95) 1,2,3-Trichloropropane	10.45	110	26169	20.1974	PPB		94
96) trans-1,4-Dichloro-2-buten	10.48	89	5351	19.6615	PPB	#	1
97) 3-Ethyltoluene	10.37	105	710320	21.0266	PPB	#	72
98) 4-Chlorotoluene	10.52	126	169339	20.2785	PPB	#	85
99) 1,3,5-Trimethylbenzene	10.44	105	619479	20.9747	PPB		57
100) 2-Ethyltoluene	10.57	105	698903	20.7485	PPB	#	4
101) tert-Butylbenzene	10.64	91	340845	20.2371	PPB		89
102) Pentachloroethane	10.66	167	51628	20.3891	PPB	#	1

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D Vial: 9
Acq On : 26 Mar 2007 6:57 pm Operator: BJP
Sample : STD 20 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,20uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.68	105	588797	20.9937 PPB		81
104) sec-Butylbenzene	10.76	105	791871	20.6732 PPB	#	83
105) p-Isopropyltoluene	10.84	119	642827	21.3372 PPB		96
106) 1,3-Dichlorobenzene	10.90	146	271427	19.8089 PPB	#	34
107) 1,4-Dichlorobenzene	10.95	146	266421	19.4521 PPB	#	21
108) Benzyl chloride	11.10	126	20655	17.4817 PPB	#	1
109) n-Butylbenzene	11.10	134	151083	21.6367 PPB	#	62
110) 1,2-Dichlorobenzene	11.21	146	210617	19.9125 PPB		99
111) 1,3,5-Trichlorobenzene	11.70	180	407806	51.8072 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	6604	18.3709 PPB	#	1
113) Hexachlorobutadiene	12.06	225	66442	20.2146 PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	98678	20.8460 PPB		100
115) Naphthalene	12.31	128	114905	17.5934 PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	66393	21.3102 PPB		100

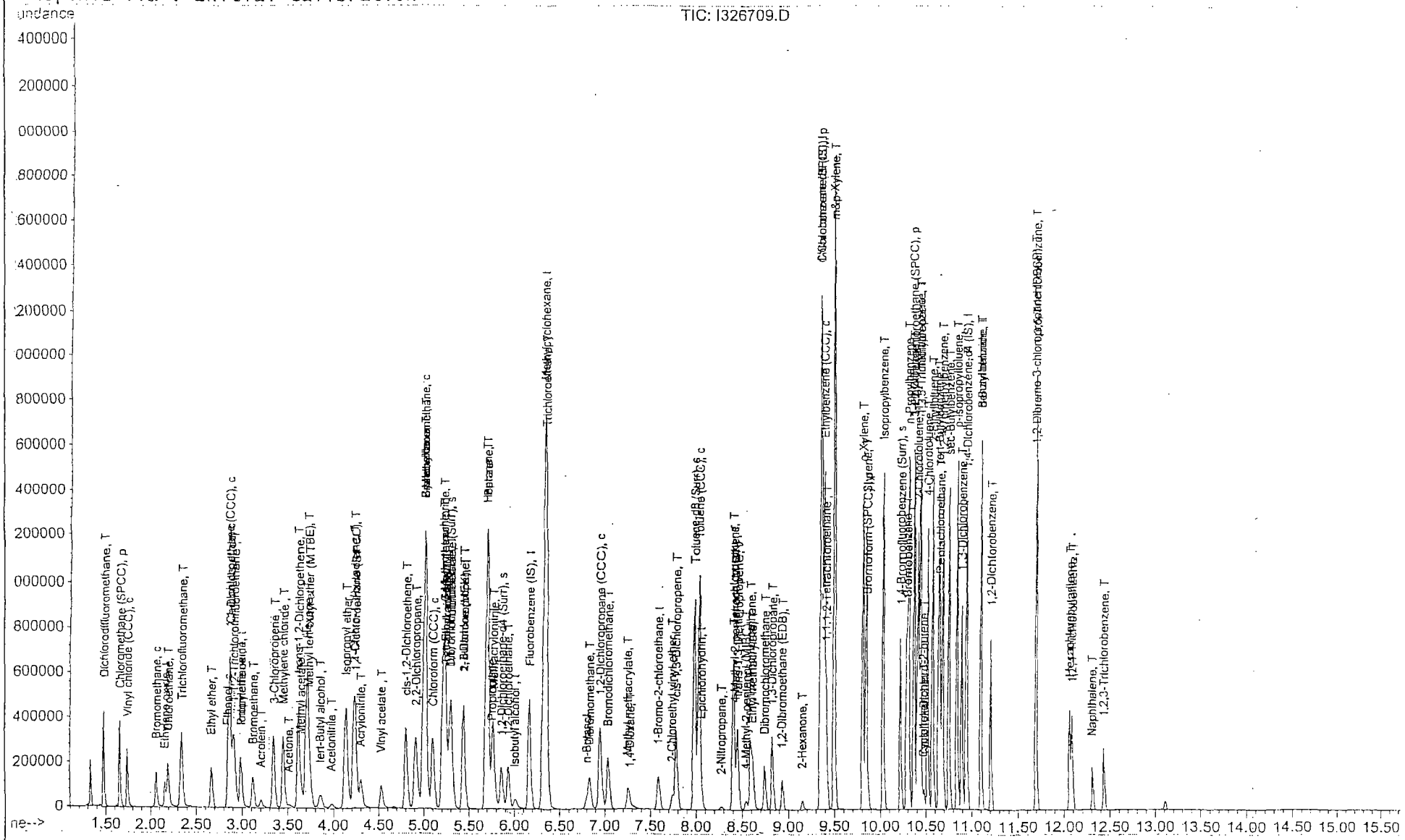
Quantification Report

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

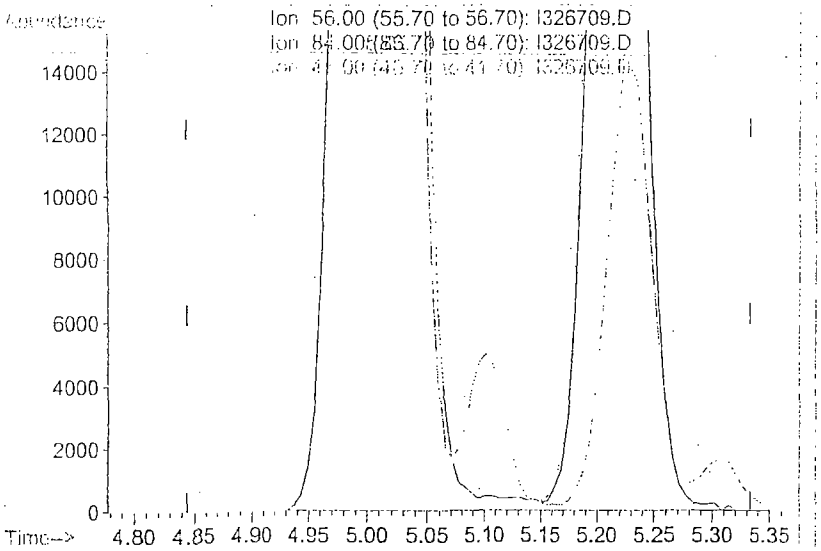
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



Cyclohexane I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:09:28 2007

BJP
MAR 27 2007

BEFORE



TIC: I326709.D

(34) Cyclohexane (T)

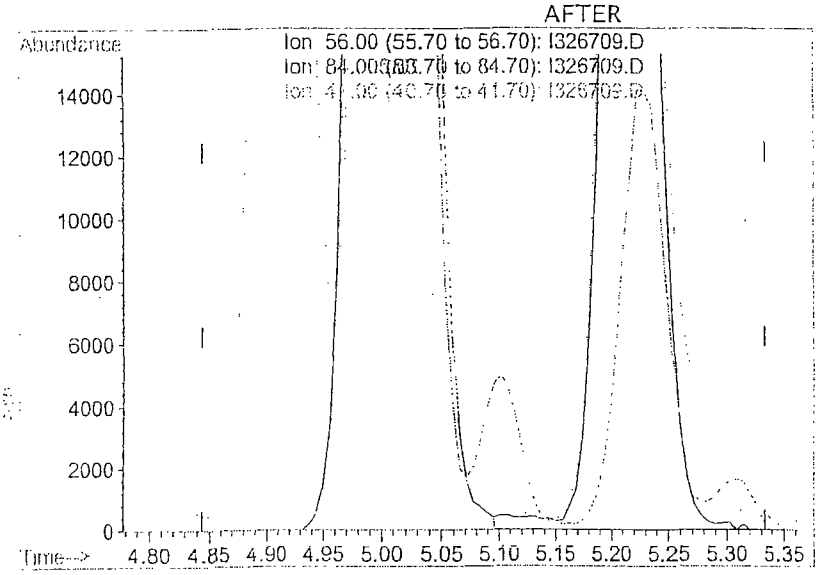
5.01min 22.56PPB

response 625157

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	69.6
41.00	82.10	81.0
0.00	0.00	0.00

RW
3-27-07

AFTER



TIC: I326709.D

(34) Cyclohexane (T)

5.01min 17.54PPB m

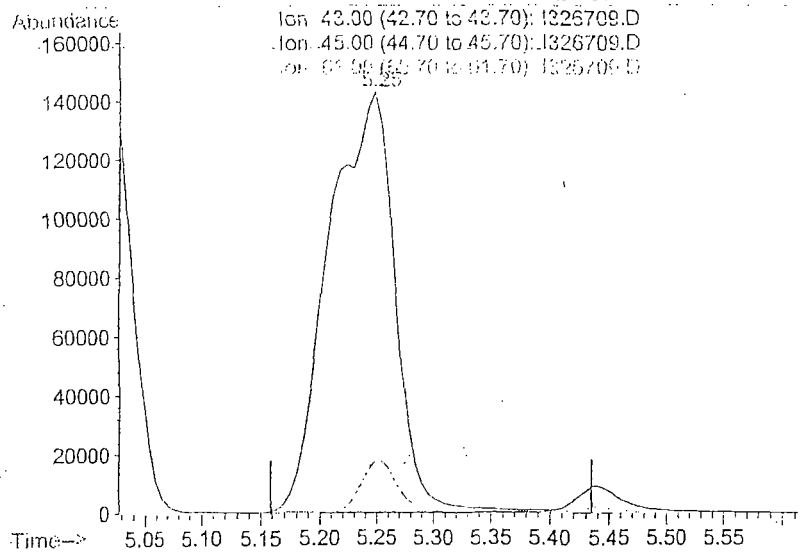
response 485984

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	89.5
41.00	82.10	104.2
0.00	0.00	0.00

Ethyl acetate I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:10:24 2007

Poor
MAR 27 2007

BEFORE



TIC: I326709.D

(40) Ethyl acetate (T)

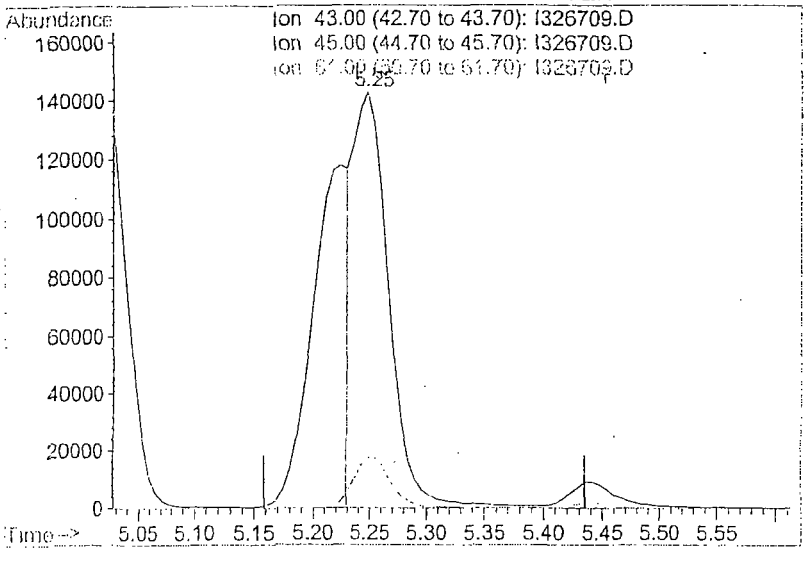
5.25min 113.07PPB

response 568972

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.13
61.00	29.70	28.8
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326709.D

(40) Ethyl acetate (T)

5.25min 62.37PPB m

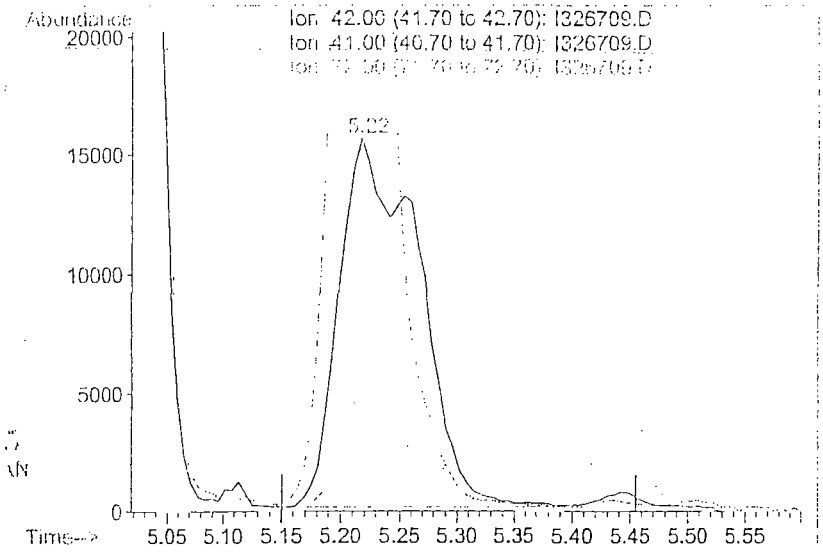
response 313858

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	12.9
61.00	29.70	52.2
0.00	0.00	0.00

Tetrahydrofuran I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:03:29 2007

BJM
MAR 27 2007

BEFORE



TIC: I326709.D

(41) Tetrahydrofuran (T

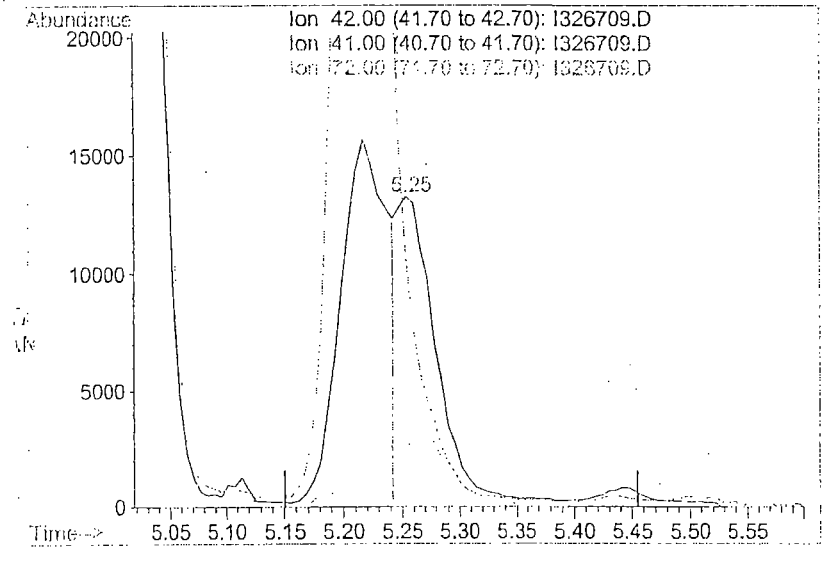
5.22min 20.30PPB

response 73082

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	225.
72.00	30.60	28.6
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326709.D

(41) Tetrahydrofuran (T

5.25min 8.71PPB m

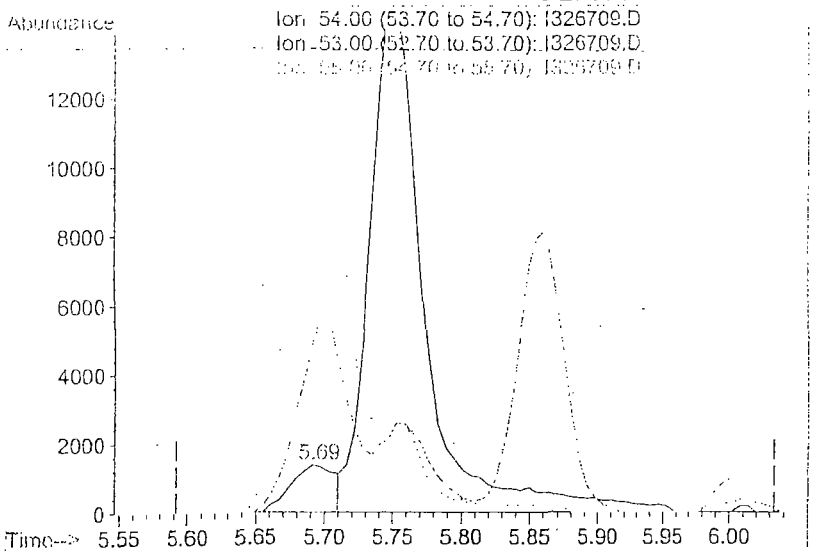
response 31348

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	525.
72.00	30.60	66.8
0.00	0.00	0.00

Propionitrile I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJR Tue Mar 27 12:10:43 2007

BOP
MAR 27 2007

BEFORE



TIC: I326709.D

(48) Propionitrile (T)

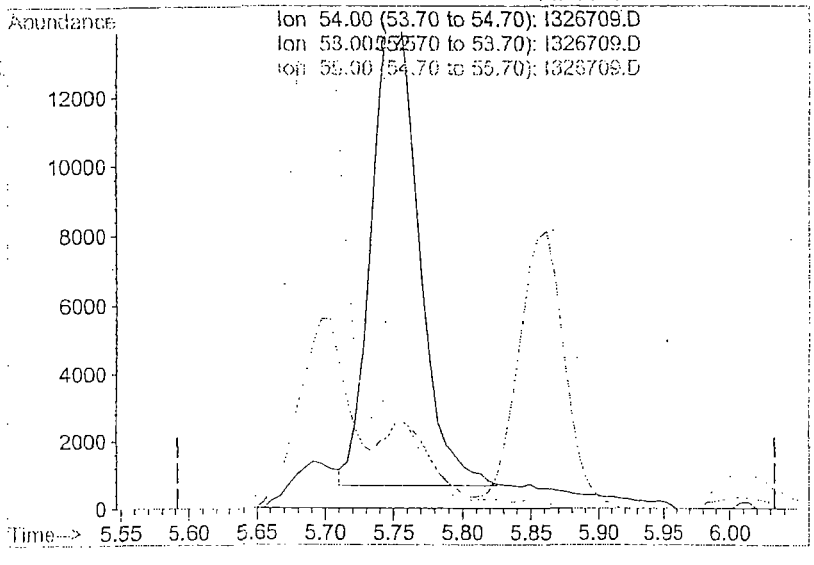
5.69min 11.01PPB

response 3046

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	176:
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326709.D

(48) Propionitrile (T)

5.75min 120.99PPB m

response 33467

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	160.
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP
MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	555195	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	107272	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	119765	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	376013	49.5139 PPB	-0.04
Spiked Amount 16.700			Recovery	= 296.47%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	196872	46.8770 PPB	-0.04
Spiked Amount 16.700			Recovery	= 280.72%	
64) Toluene-d8 (Surr)	7.98	98	1676645	51.5388 PPB	0.00
Spiked Amount 16.700			Recovery	= 308.62%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	515918	50.0794 PPB	-0.01
Spiked Amount 16.700			Recovery	= 299.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	695683	48.4518 PPB		99
3) Chloromethane (SPCC)	1.65	50	672610	49.4595 PPB		100
4) Vinyl chloride (CCC)	1.74	62	458593	49.1790 PPB		100
5) Bromomethane	2.06	94	242171	55.2280 PPB		100
6) Ethylene oxide	2.16	44	304491	620.8042 PPB		99
7) Chloroethane	2.20	64	378864	47.9375 PPB		99
8) Trichlorofluoromethane	2.34	101	730221	47.5845 PPB		98
9) Ethyl ether	2.66	59	273343	52.6257 PPB		100
10) Ethanol	2.83	45	21736	1281.5968 PPB		97
11) 1,1-Dichloroethene (CCC)	2.85	96	417620	49.4615 PPB		99
12) Carbon disulfide	2.86	76	1321865	51.8783 PPB		100
13) 1,1,2-Trichlorotrifluoroet	2.91	101	452100	48.1173 PPB		100
14) Propylene oxide	2.99	58	203923	265.5588 PPB	#	99
15) Iodomethane	2.99	142	390206	48.8928 PPB		99
16) Bromoethane	3.12	108	293494	49.1277 PPB		100
17) Acrolein	3.20	56	95703	282.6982 PPB		99
18) 3-Chloropropene	3.34	41	577605	50.6915 PPB		99
19) Methylene chloride	3.45	84	411246	48.5849 PPB		98
20) Acetone	3.51	43	35093	50.6686 PPB		100
21) trans-1,2-Dichloroethene	3.62	96	463445	47.8194 PPB		98
22) Methyl acetate	3.64	74	88130	127.1489 PPB	#	100
23) Hexane	3.70	86	195213	50.8509 PPB		98
24) Methyl tert-butyl ether (M	3.73	73	790372	54.7263 PPB		96
25) tert-Butyl alcohol	3.86	59	245286	1408.1898 PPB	#	94
26) Acetonitrile	3.98	40	40006	242.7732 PPB	#	100
27) Isopropyl ether	4.13	45	1340458	54.1550 PPB		100
28) 2-Chloro-1,3-butadiene	4.22	88	399663	54.9840 PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	891717	49.2337 PPB		100
30) Acrylonitrile	4.30	53	329404	265.6774 PPB	#	99
31) Vinyl acetate	4.52	43	453864	58.2695 PPB	#	98
32) cis-1,2-Dichloroethene	4.80	96	462663	48.1620 PPB		99
33) 2,2-Dichloropropane	4.91	77	720180	54.1342 PPB	#	99
34) Cyclohexane	5.01	56	1185675m	42.1699 PPB		
35) Bromochloromethane	5.01	130	193874	49.4192 PPB		95
36) 2-Methylhexane	5.02	43	991401	49.4922 PPB	#	97
37) Chloroform (CCC)	5.10	83	754123	49.0104 PPB	#	99
38) Carbon tetrachloride	5.23	117	552172	51.8533 PPB		99
39) 3-Methylhexane	5.22	57	433850	50.3227 PPB		97
40) Ethyl acetate	5.25	43	892920m	174.8711 PPB		
41) Tetrahydrofuran	5.25	42	85186m	23.3173 PPB		

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 1,1,1-Trichloroethane	5.31	97	677967	50.9064	PPB		100
44) 1,1-Dichloropropene	5.44	75	718844	51.0759	PPB		100
45) 2-Butanone (MEK)	5.44	43	63760	52.4942	PPB		97
46) Benzene	5.71	78	2060562	48.6468	PPB		100
47) Heptane	5.69	57	428613	51.6933	PPB		99
48) Propionitrile	5.75	54	85005m	302.8710	PPB		
49) Methacrylonitrile	5.77	67	444355	283.6961	PPB	#	99
51) 1,2-Dichloroethane	5.94	62	438143	49.5198	PPB		100
52) Isobutyl alcohol	6.00	43	101844	1145.0030	PPB		99
53) Methylcyclohexane	6.34	83	2245628	122.8217	PPB		99
54) Trichloroethene	6.36	130	489109	49.8064	PPB		99
55) Dibromomethane	6.84	93	155085	50.4150	PPB		99
56) n-Butanol	6.80	56	122818	2498.3738	ug/L	#	98
57) 1,2-Dichloropropane (CCC)	6.95	63	458352	51.3814	PPB		100
58) Bromodichloromethane	7.04	83	511084	54.1985	PPB		100
59) 1,4-Dioxane	7.29	88	25092	1375.2370	PPB		99
60) Methyl methacrylate	7.25	69	149950	48.3666	PPB		100
61) 1-Bromo-2-chloroethane	7.59	63	434003	51.8939	PPB		93
62) cis-1,3-Dichloropropene	7.78	75	671687	58.4445	PPB		99
63) 2-Chloroethyl vinyl ether	7.74	63	101291	58.3311	PPB		99
66) Toluene (CCC)	8.03	91	2070319	49.0398	PPB		100
67) Epichlorohydrin	8.06	57	72917	273.7349	PPB		94
68) 2-Nitropropane	8.28	43	33859	60.6869	PPB		100
69) Tetrachloroethene	8.40	164	416398	49.3401	PPB		100
70) 4-Methyl-2-pentanone (MIBK	8.43	43	139758	58.0870	PPB	#	99
71) trans-1,3-Dichloropropene	8.45	75	502750	58.6688	PPB		99
72) 1,1,2-Trichloroethane	8.59	97	242555	50.1248	PPB		99
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	82818	307.5775	PPB	#	100
74) Ethyl methacrylate	8.62	69	313092	47.1927	PPB		99
75) Dibromochloromethane	8.74	129	256299	56.5834	PPB		100
76) 1,3-Dichloropropane	8.82	76	491922	50.1538	PPB		100
77) 1,2-Dibromoethane (EDB)	8.93	107	214552	52.8601	PPB		99
78) 2-Hexanone	9.15	43	81720	46.2913	PPB		93
79) Chlorobenzene (SPCC)	9.36	112	1161609	47.8839	PPB		99
80) 1-Chlorohexane	9.35	55	431629	43.7107	PPB		99
81) Ethylbenzene (CCC)	9.39	106	701022	49.7392	PPB		98
82) 1,1,1,2-Tetrachloroethane	9.41	131	349136	51.4846	PPB	#	74
83) m&p-Xylene	9.50	106	1680895	98.7755	PPB		100
84) o-Xylene	9.81	106	798647	52.2316	PPB		100
85) Bromoform (SPCC)	9.86	173	107113	57.1634	PPB		100
86) Styrene	9.85	104	1234814	57.6846	PPB		100
87) Isopropylbenzene	10.03	105	2008441	50.9273	PPB		99
88) Bromobenzene	10.29	156	366016	51.3407	PPB		97
89) n-Propylbenzene	10.31	120	542043	51.5563	PPB		95
90) 1,1,2,2-Tetrachloroethane	10.36	83	205025	51.1875	PPB		99
93) 2-Chlorotoluene	10.41	126	421558	49.2627	PPB		94
94) Cyclohexanone	10.48	42	8704m	281.6983	PPB		
95) 1,2,3-Trichloropropane	10.45	110	65997	49.7793	PPB	#	75
96) trans-1,4-Dichloro-2-buten	10.48	89	17209	50.3558	PPB	#	1
97) 3-Ethyltoluene	10.37	105	1766291	51.0966	PPB	#	73
98) 4-Chlorotoluene	10.52	126	426997	49.9710	PPB		88
99) 1,3,5-Trimethylbenzene	10.44	105	1529541	50.6110	PPB		55
100) 2-Ethyltoluene	10.58	105	1733247	50.2858	PPB	#	4
101) tert-Butylbenzene	10.64	91	851627	49.4146	PPB		86
102) Pentachloroethane	10.66	167	141455	54.5941	PPB	#	1

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.69	105	1473421	51.3412 PPB		80
104) sec-Butylbenzene	10.76	105	1931802	49.2869 PPB		99
105) p-Isopropyltoluene	10.84	119	1604492	52.0470 PPB		85
106) 1,3-Dichlorobenzene	10.90	146	687662	49.0453 PPB	#	50
107) 1,4-Dichlorobenzene	10.95	146	676288	48.2553 PPB	#	46
108) Benzyl chloride	11.10	126	68173	47.3500 PPB	#	1
109) n-Butylbenzene	11.10	134	383923	53.7323 PPB	#	62
110) 1,2-Dichlorobenzene	11.21	146	539616	49.8578 PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	1056887	131.2140 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	20567	46.4056 PPB	#	42
113) Hexachlorobutadiene	12.07	225	169258	50.3253 PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	276523	57.0887 PPB		99
115) Naphthalene	12.31	128	384378	49.9388 PPB		100
116) 1,2,3-Trichlorobenzene	12.44	180	192013	60.2297 PPB		100

(#) = qualifier out of range (m) = manual integration (+) = analyte in blank

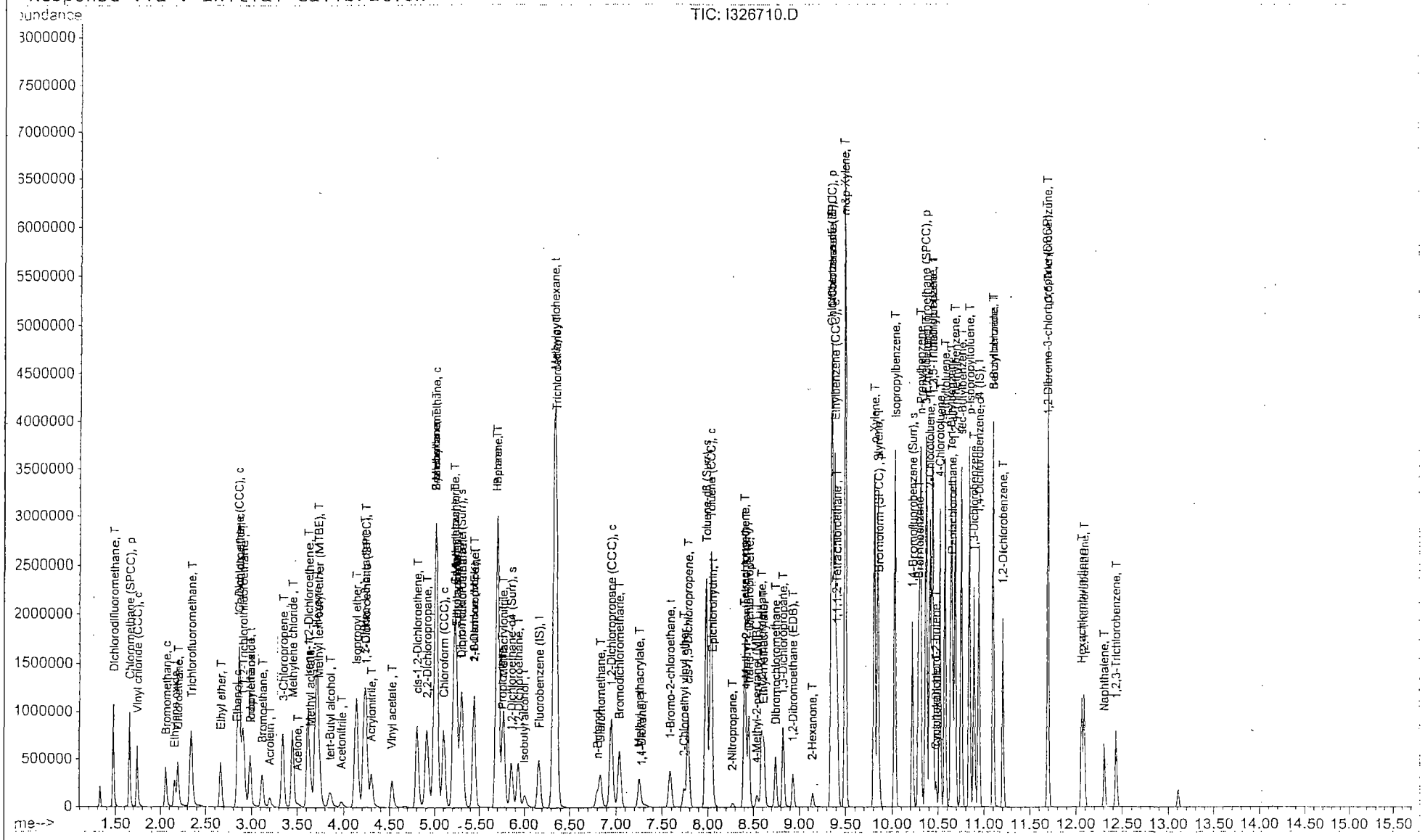
Quantitation Report

Data File : H:\MSI.I\I032607B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

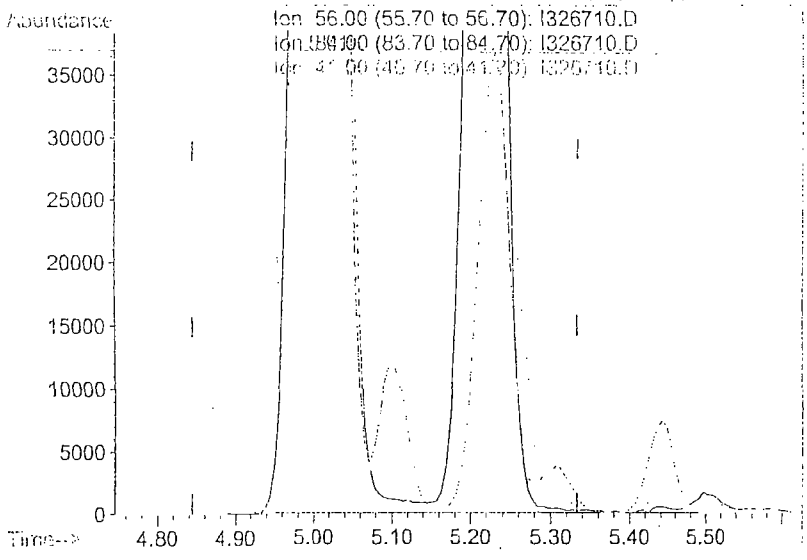


326710.D I70326W.M Tue Mar 27 13:30:33 2007 BJP Page 4

297

Cyclohexane I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:22:01 2007

BEFORE MAR 27 2007



TIC: I326710.D

(34) Cyclohexane (T)

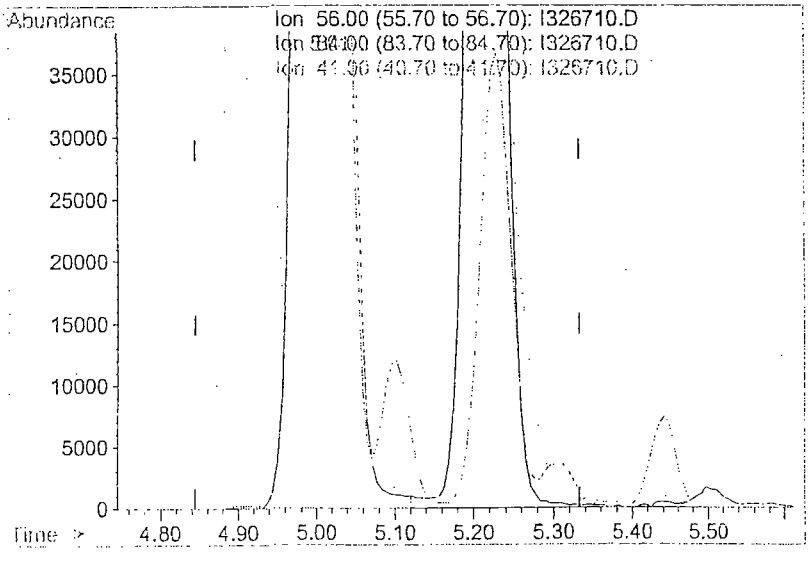
5.01min 54.24PPB

response 1525054

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	71.0
41.00	82.10	80.9
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326710.D

(34) Cyclohexane (T)

5.01min 42.17PPB m

response 1185675

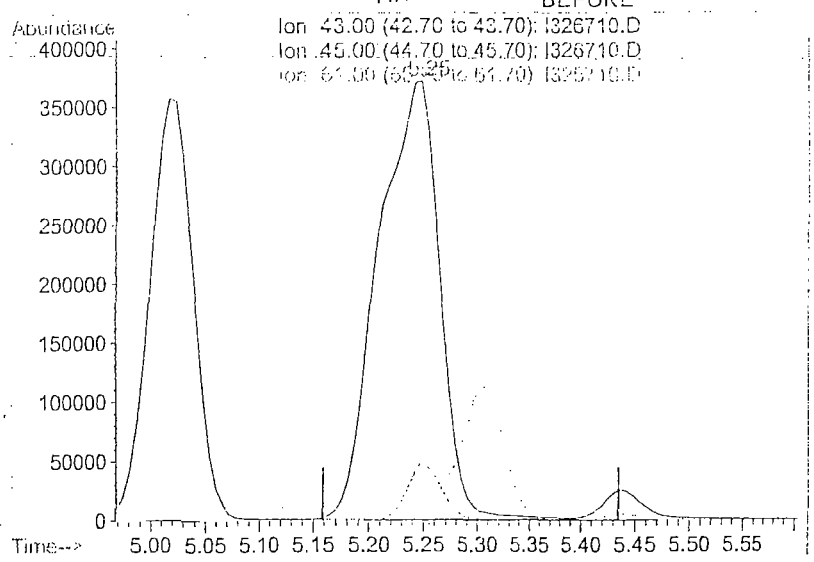
Ion	Exp%	Act%
56.00	100	100
84.00	72.50	91.3
41.00	82.10	104.(
0.00	0.00	0.00

Ethyl acetate I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:12:38 2007

BJP

MAR 27 2007

BEFORE



TIC: I326710.D

(40) Ethyl acetate (T)

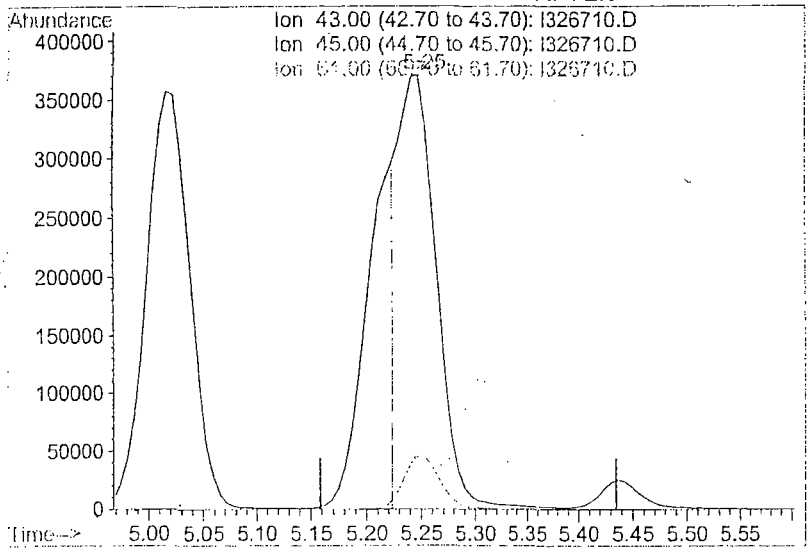
5.25min 279.78PPB

response 1428593

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.38
61.00	29.70	29.0
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326710.D

(40) Ethyl acetate (T)

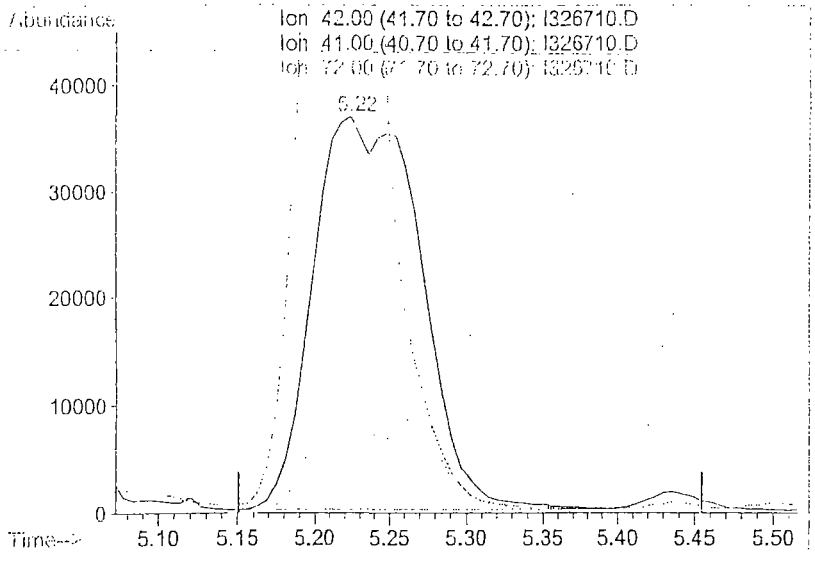
5.25min 174.87PPB m

response 892920

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	11.8
61.00	29.70	46.4
0.00	0.00	0.00

Tetrahydrofuran I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:03:51 2007

MAR 27 2007 BEFORE



TIC: I326710.D

(41) Tetrahydrofuran (T

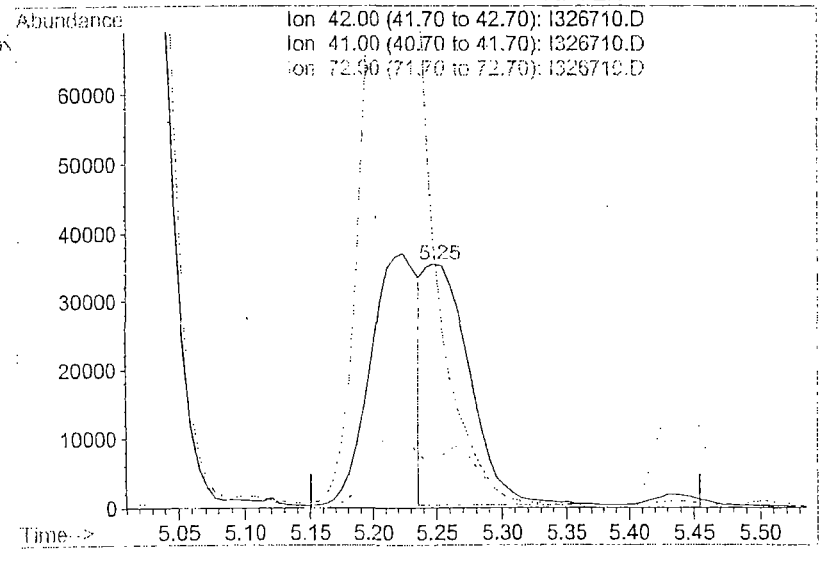
5.22min 49.47PPB

response 180746

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	222.
72.00	30.60	29.5
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326710.D

(41) Tetrahydrofuran (T

5.25min 23.32PPB m

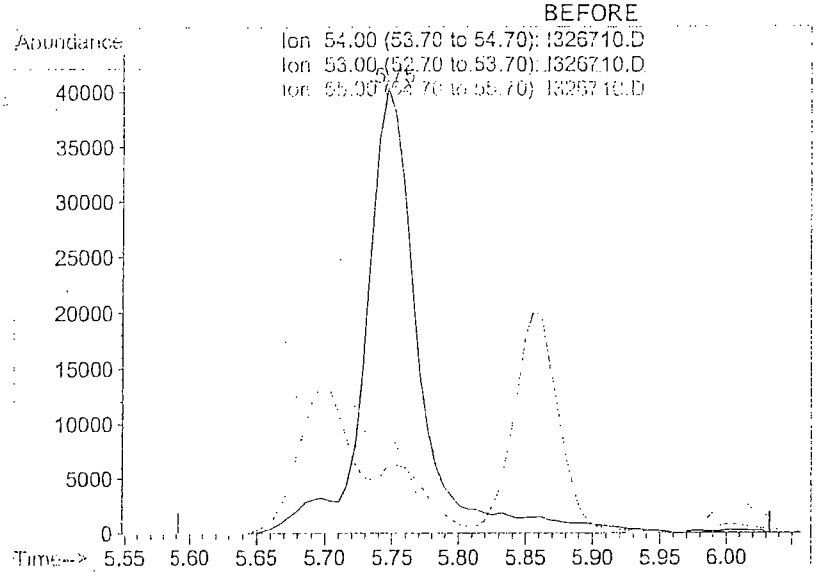
response 85186

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	471.
72.00	30.60	62.7
0.00	0.00	0.00

Propionitrile I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:22:40 2007

BJM
MAR 27 2007

BEFORE



TIC: I326710.D

(48) Propionitrile (T)

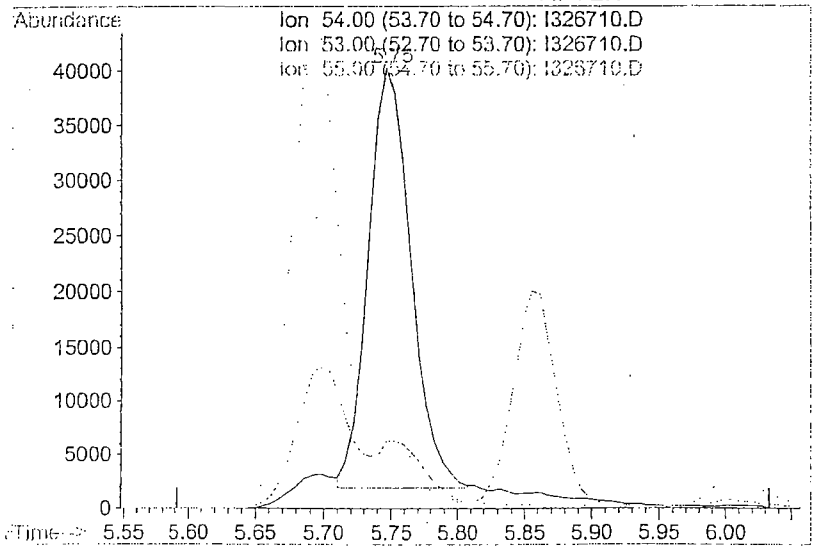
5.75min 400.39PPB

response 112374

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	116.
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326710.D

(48) Propionitrile (T)

5.75min 302.87PPB m

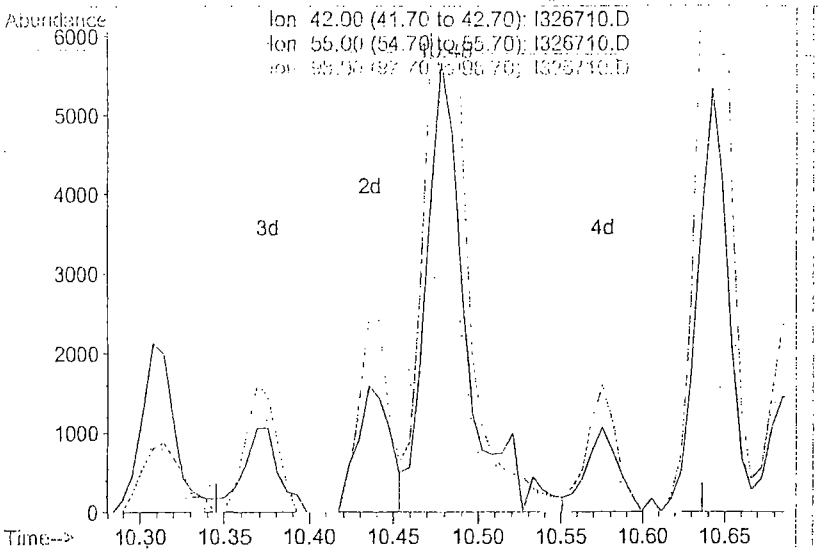
response 85005

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	153.
0.00	0.00	0.00

Cyclohexanone I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:11:33 2007

BJP
MAR 2 7 2007

BEFORE



TIC: I326710.D

(94) Cyclohexanone (T)

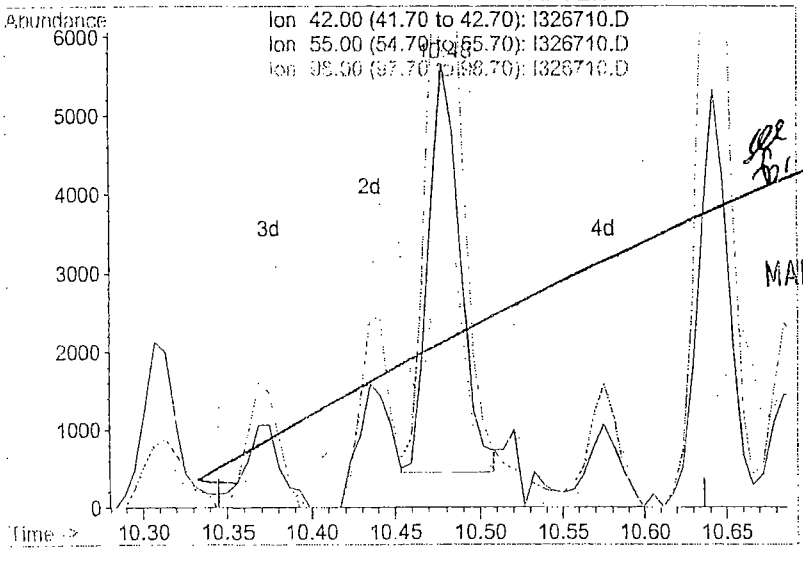
10.48min 295.03PPB

response 9116

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	201.
98.00	112.90	0.0
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 213.67PPB m

response 6602

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	278.
98.00	112.90	0.0
0.00	0.00	0.00

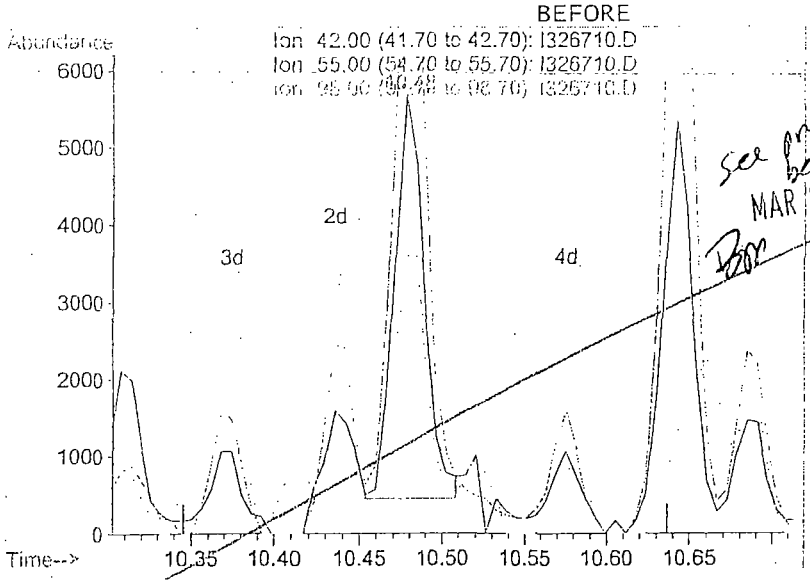
See next for final. BJP

MAR 2 7 2007

Cyclohexanone I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:17:34 2007

BJP
MAR 27 2007

BEFORE



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 213.67PPB m

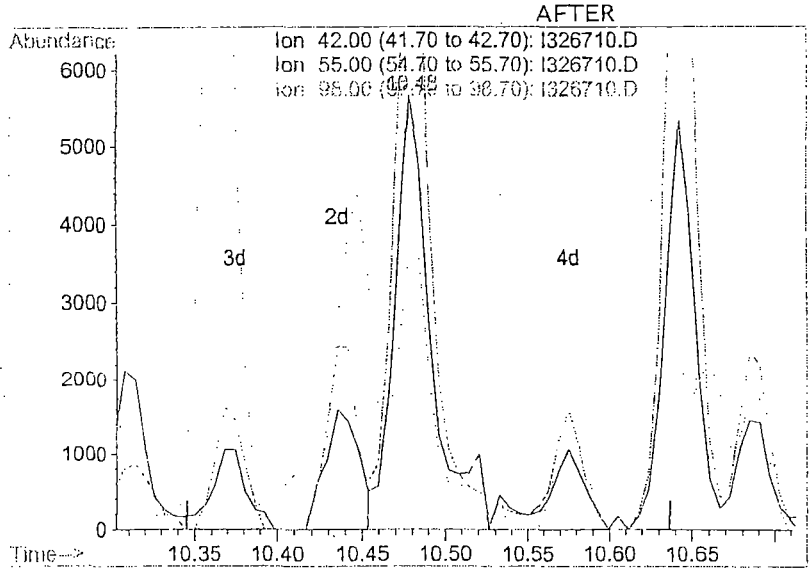
response 6602

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	278.
98.00	112.90	0.0
0.00	0.00	0.00

see previous for beginning
MAR 27 2007
BJP

DW 3-27-07

AFTER



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 281.70PPB m

response 8704

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	211.
98.00	112.90	0.0
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	573189	16.7000	PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	106220	16.7000	PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	120162	16.7000	PPB	-0.02
System Monitoring Compounds						
42) Dibromofluoromethane (Surr	5.30	113	744498	94.9589	PPB	-0.03
Spiked Amount 16.700			Recovery = 568.62%			
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	400453	92.3580	PPB	-0.03
Spiked Amount 16.700			Recovery = 553.05%			
64) Toluene-d8 (Surr)	7.98	98	3327645	99.0781	PPB	0.00
Spiked Amount 16.700			Recovery = 593.29%			
91) 1,4-Bromofluorobenzene (Su	10.22	95	1023400	100.3238	PPB	-0.02
Spiked Amount 16.700			Recovery = 600.72%			

Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.48	85	1394551	94.0763	PPB		100
3) Chloromethane (SPCC)	1.65	50	1394575	99.3289	PPB		100
4) Vinyl chloride (CCC)	1.74	62	931572	96.7646	PPB		100
5) Bromomethane	2.06	94	473118	104.5092	PPB		100
6) Ethylene oxide	2.16	44	568838	1123.3536	PPB		100
7) Chloroethane	2.19	64	612714	75.0926	PPB		100
8) Trichlorofluoromethane	2.34	101	1416030	89.3782	PPB		100
9) Ethyl ether	2.66	59	552432	103.0188	PPB		100
10) Ethanol	2.83	45	49829	2845.7823	PPB		100
11) 1,1-Dichloroethene (CCC)	2.86	96	832328	95.4835	PPB		100
12) Carbon disulfide	2.87	76	2664576	101.2917	PPB		100
13) 1,1,2-Trichlorotrifluoroet	2.91	101	909060	93.7145	PPB		100
14) Propylene oxide	2.98	58	424307	535.2077	PPB	#	100
15) Iodomethane	2.98	142	719109	87.2757	PPB		100
16) Bromoethane	3.12	108	584045	94.6937	PPB		100
17) Acrolein	3.20	56	210307	601.7262	PPB		100
18) 3-Chloropropene	3.34	41	1093650	92.9672	PPB		100
19) Methylene chloride	3.45	84	831400	95.1388	PPB		100
20) Acetone	3.51	43	81285	113.6780	PPB		100
21) trans-1,2-Dichloroethene	3.62	96	918844	91.8323	PPB		100
22) Methyl acetate	3.64	74	184885	258.3677	PPB	#	100
23) Hexane	3.70	86	394742	99.5980	PPB		100
24) Methyl tert-butyl ether (M	3.73	73	1651518	110.7631	PPB		100
25) tert-Butyl alcohol	3.85	59	579828	3224.2992	PPB	#	100
26) Acetonitrile	3.98	40	86391	507.7990	PPB	#	100
27) Isopropyl ether	4.13	45	2697384	105.5543	PPB		100
28) 2-Chloro-1,3-butadiene	4.22	88	820743	109.3697	PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	1744591	93.2990	PPB		100
30) Acrylonitrile	4.30	53	681184	532.1547	PPB	#	100
31) Vinyl acetate	4.52	43	957308	119.0461	PPB	#	100
32) cis-1,2-Dichloroethene	4.81	96	922301	92.9952	PPB		100
33) 2,2-Dichloropropane	4.91	77	1488400	108.3672	PPB	#	100
34) Cyclohexane	5.01	56	2279933m	78.5429	PPB		
35) Bromochloromethane	5.01	130	390635	96.4485	PPB		100
36) 2-Methylhexane	5.02	43	1874449	90.6377	PPB	#	100
37) Chloroform (CCC)	5.10	83	1495782	94.1590	PPB	#	100
38) Carbon tetrachloride	5.23	117	1111805	101.1296	PPB		100
39) 3-Methylhexane	5.22	57	838995	94.2608	PPB		100
40) Ethyl acetate	5.25	43	2224369m	421.9491	PPB		
41) Tetrahydrofuran	5.25	42	150530m	39.9099	PPB		

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-Trichloroethane	5.31	97	1365936	99.3441	PPB		100
44)	1,1-Dichloropropene	5.44	75	1447333	99.6088	PPB		100
45)	2-Butanone (MEK)	5.44	43	133002	106.0643	PPB		100
46)	Benzene	5.71	78	4012258	91.7498	PPB		100
47)	Heptane	5.69	57	829117	96.8572	PPB		100
48)	Propionitrile	5.75	54	185391m	639.8079	PPB		
49)	Methacrylonitrile	5.77	67	894562	553.1991	PPB	#	100
51)	1,2-Dichloroethane	5.93	62	857306	93.8527	PPB		100
52)	Isobutyl alcohol	6.00	43	250655	2551.7200	PPB		100
53)	Methylcyclohexane	6.34	83	4275751	226.5152	PPB		100
54)	Trichloroethene	6.36	130	967865	95.4644	PPB		100
55)	Dibromomethane	6.83	93	299994	94.4605	PPB		100
56)	n-Butanol	6.79	56	323308	4999.8449	ug/L	#	100
57)	1,2-Dichloropropane (CCC)	6.95	63	922989	100.2192	PPB		100
58)	Bromodichloromethane	7.04	83	1055275	108.3948	PPB		100
59)	1,4-Dioxane	7.29	88	56375	2992.7918	PPB		100
60)	Methyl methacrylate	7.25	69	333734	101.2774	PPB		100
61)	1-Bromo-2-chloroethane	7.59	63	904210	104.7227	PPB		100
62)	cis-1,3-Dichloropropene	7.78	75	1401364	118.1069	PPB		100
63)	2-Chloroethyl vinyl ether	7.74	63	221027	123.2885	PPB		100
66)	Toluene (CCC)	8.04	91	4074713	97.4740	PPB		100
67)	Epichlorohydrin	8.06	57	153587	582.2855	PPB		100
68)	2-Nitropropane	8.28	43	86164	155.9648	PPB	#	100
69)	Tetrachloroethene	8.41	164	856199	102.4582	PPB		100
70)	4-Methyl-2-pentanone (MIBK	8.43	43	305803	128.3583	PPB	#	100
71)	trans-1,3-Dichloropropene	8.45	75	1055090	124.3439	PPB		100
72)	1,1,2-Trichloroethane	8.60	97	500609	104.4770	PPB		100
73)	4-Methyl-2-pentanol (MIBC)	8.54	45	237417	890.4750	PPB	#	100
74)	Ethyl methacrylate	8.62	69	690646	101.7666	PPB		100
75)	Dibromochloromethane	8.74	129	545523	121.6284	PPB		100
76)	1,3-Dichloropropane	8.83	76	994392	102.3871	PPB		100
77)	1,2-Dibromoethane (EDB)	8.93	107	451153	112.2533	PPB		100
78)	2-Hexanone	9.14	43	190745	101.9100	PPB		100
79)	Chlorobenzene (SPCC)	9.36	112	2196955	91.4599	PPB		100
80)	1-Chlorohexane	9.36	55	801705	81.9921	PPB		100
81)	Ethylbenzene (CCC)	9.39	106	1357040	97.2389	PPB		100
82)	1,1,1,2-Tetrachloroethane	9.41	131	717116	106.7953	PPB		100
83)	m&p-Xylene	9.50	106	2974675	176.5339	PPB		100
84)	o-Xylene	9.81	106	1551355	102.4636	PPB		100
85)	Bromoform (SPCC)	9.87	173	232048	125.0645	PPB		100
86)	Styrene	9.85	104	2431420	114.7093	PPB		100
87)	Isopropylbenzene	10.03	105	3785285	96.9327	PPB		100
88)	Bromobenzene	10.29	156	738006	104.5447	PPB		100
89)	n-Propylbenzene	10.31	120	1040808	99.9768	PPB		100
90)	1,1,2,2-Tetrachloroethane	10.36	83	405655	102.2808	PPB		100
93)	2-Chlorotoluene	10.41	126	830896	96.7767	PPB		99
94)	Cyclohexanone	10.48	42	19765	637.5657	PPB	#	46
95)	1,2,3-Trichloropropane	10.45	110	133145	100.0949	PPB	#	69
96)	trans-1,4-Dichloro-2-buten	10.48	89	42193	99.9460	PPB	#	1
97)	3-Ethyltoluene	10.37	105	3282249	94.6377	PPB	#	73
98)	4-Chlorotoluene	10.52	126	843160	98.3481	PPB		92
99)	1,3,5-Trimethylbenzene	10.44	105	2843155	93.7664	PPB		55
100)	2-Ethyltoluene	10.57	105	3271858	94.6110	PPB	#	2
101)	tert-Butylbenzene	10.64	91	1602395	92.6699	PPB		85
102)	Pentachloroethane	10.66	167	288745	111.0721	PPB	#	1

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

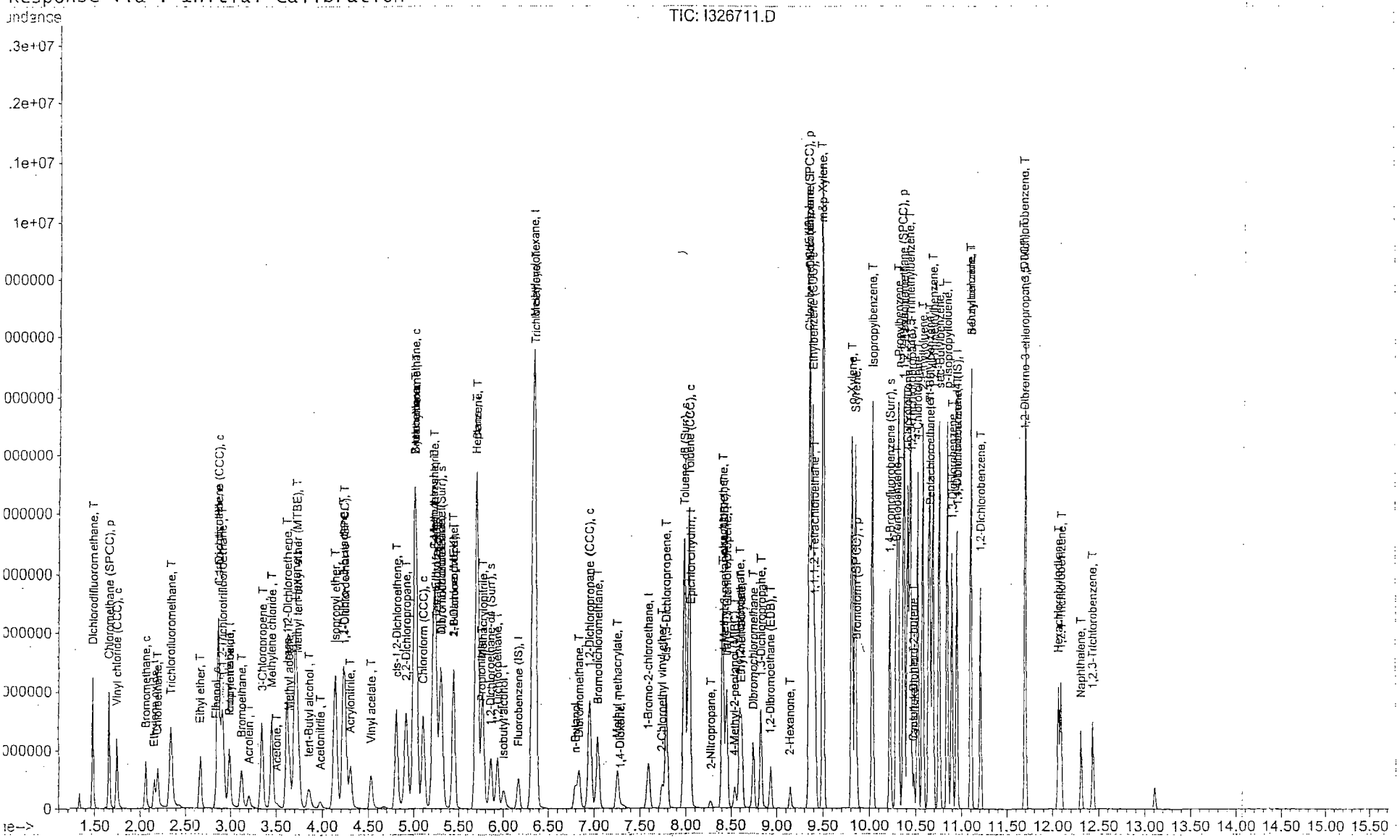
Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc Unit			Qvalue
103)	1,2,4-Trimethylbenzene	10.69	105	2784401	96.7016	PPB		79
104)	sec-Butylbenzene	10.76	105	3597963	91.4931	PPB		98
105)	p-Isopropyltoluene	10.84	119	2967920	95.9562	PPB		96
106)	1,3-Dichlorobenzene	10.90	146	1351615	96.0812	PPB	#	79
107)	1,4-Dichlorobenzene	10.95	146	1327348	94.3975	PPB	#	70
108)	Benzyl chloride	11.10	126	154381	101.7671	PPB	#	1
109)	n-Butylbenzene	11.10	134	729745	101.7947	PPB	#	67
110)	1,2-Dichlorobenzene	11.21	146	1087261	100.1256	PPB		100
111)	1,3,5-Trichlorobenzene	11.70	180	1894935	234.4816	PPB		100
112)	1,2-Dibromo-3-chloropropan	11.69	157	48059	101.8953	PPB		100
113)	Hexachlorobutadiene	12.06	225	319705	94.7435	PPB		100
114)	1,2,4-Trichlorobenzene	12.09	180	530210	109.1012	PPB		100
115)	Naphthalene	12.31	128	804264	100.5213	PPB		100
116)	1,2,3-Trichlorobenzene	12.43	180	365889	114.3910	PPB		100

Data File : H:\MSI.I\I032607.B\I326711.D Vial: 11
Acq On : 26 Mar 2007 7:52 pm Operator: BJP
Sample : STD 100 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,100uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

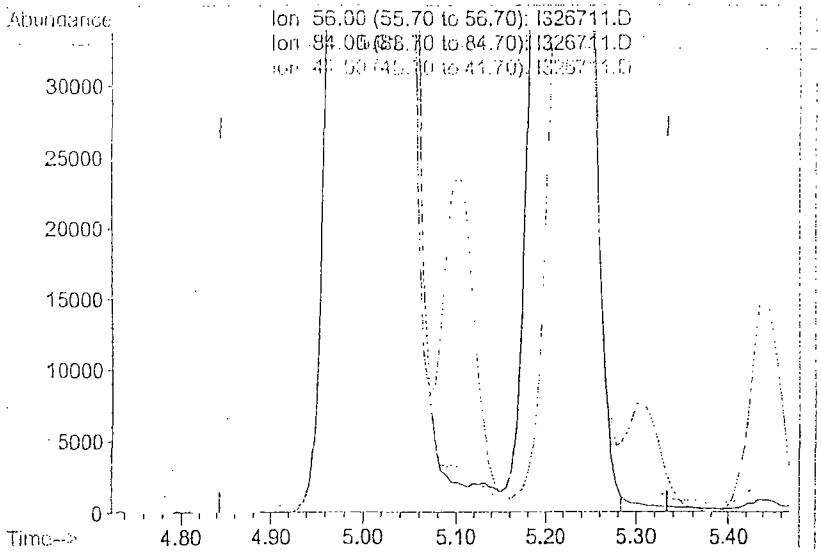


307

Cyclohexane I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:23:55 ~~2007~~

BJP
MAR 2 7 2007

BEFORE



TIC: I326711.D

(34) Cyclohexane (T)

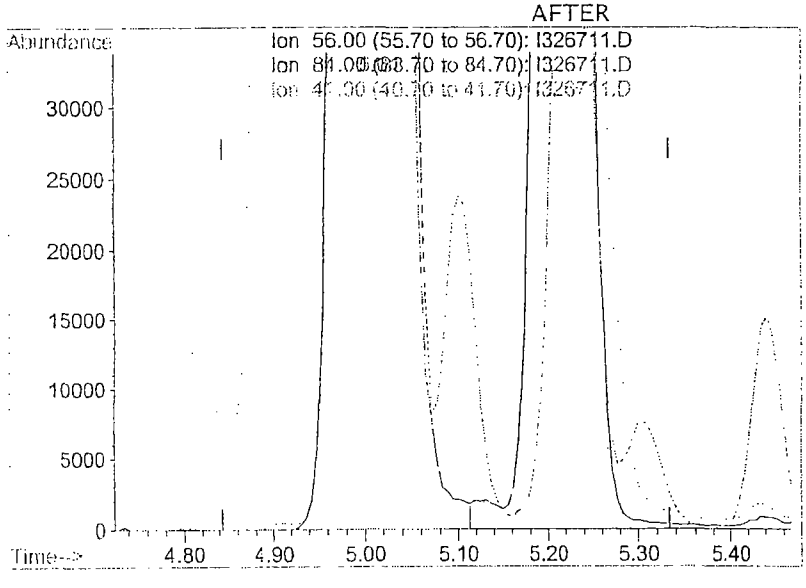
5.01min 101.28PPB

response 2939799

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	72.5
41.00	82.10	82.1
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326711.D

(34) Cyclohexane (T)

5.01min 78.54PPB m

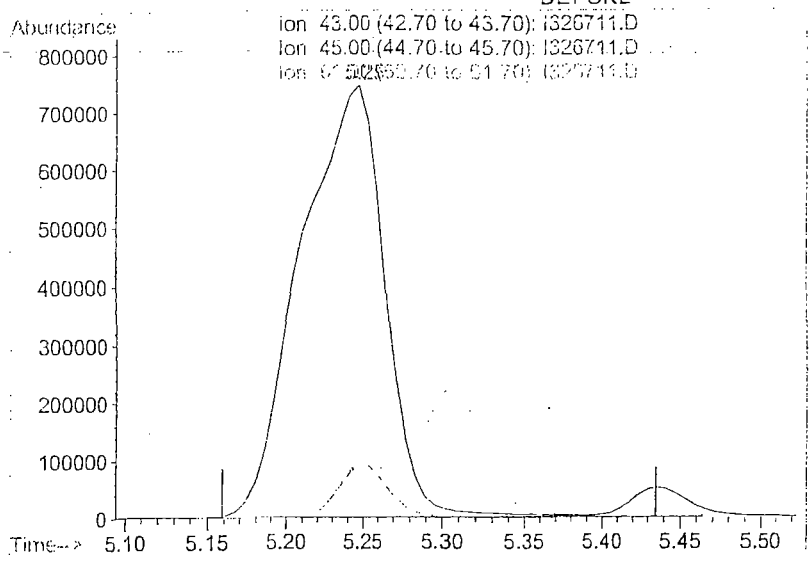
response 2279933

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	93.5
41.00	82.10	105.[illegible]
0.00	0.00	0.00

Ethyl acetate I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:24:48 2007

BJP
MAR 27 2007

BEFORE



TIC: I326711.D

(40) Ethyl acetate (T)

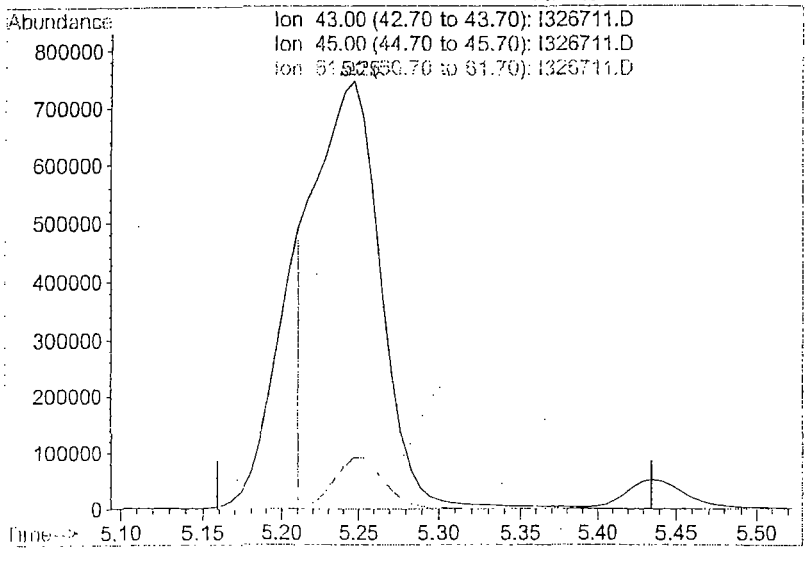
5.25min 533.72PPB

response 2813565

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.48
61.00	29.70	29.7
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326711.D

(40) Ethyl acetate (T)

5.25min 421.95PPB m

response 2224369

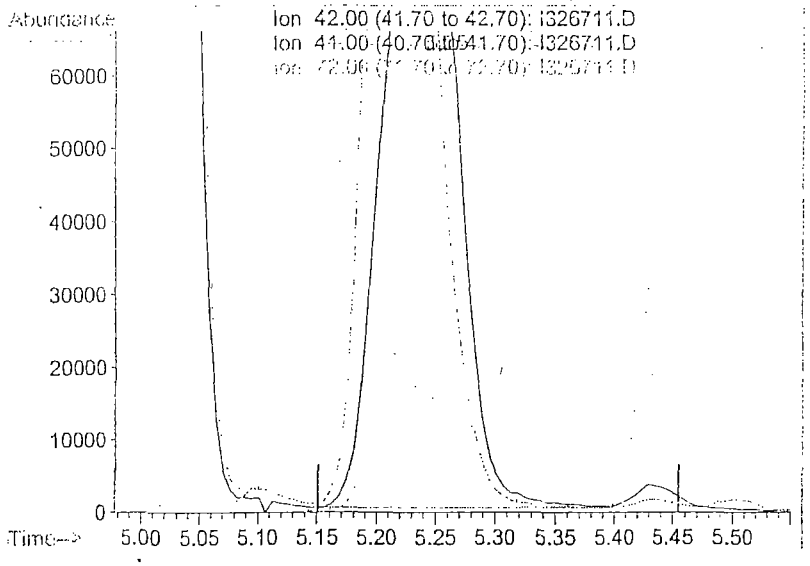
Ion	Exp%	Act%
43.00	100	100
45.00	7.50	9.46
61.00	29.70	37.5
0.00	0.00	0.00

Tetrahydrofuran I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:05:05 2007

Poor

MAR 27 2007

BEFORE



TIC: I326711.D

(41) Tetrahydrofuran (T

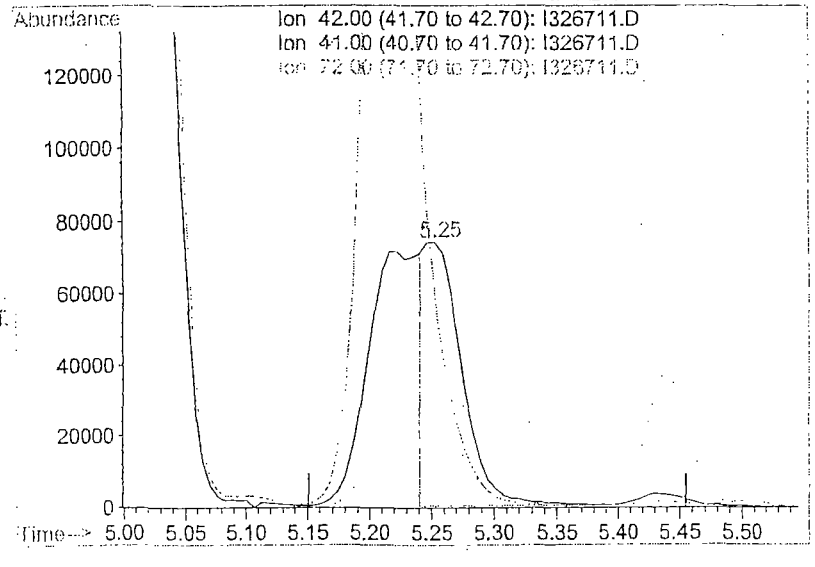
5.25min 95.28PPB

response 359375

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	218.
72.00	30.60	30.5
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326711.D

(41) Tetrahydrofuran (T

5.25min 39.91PPB m

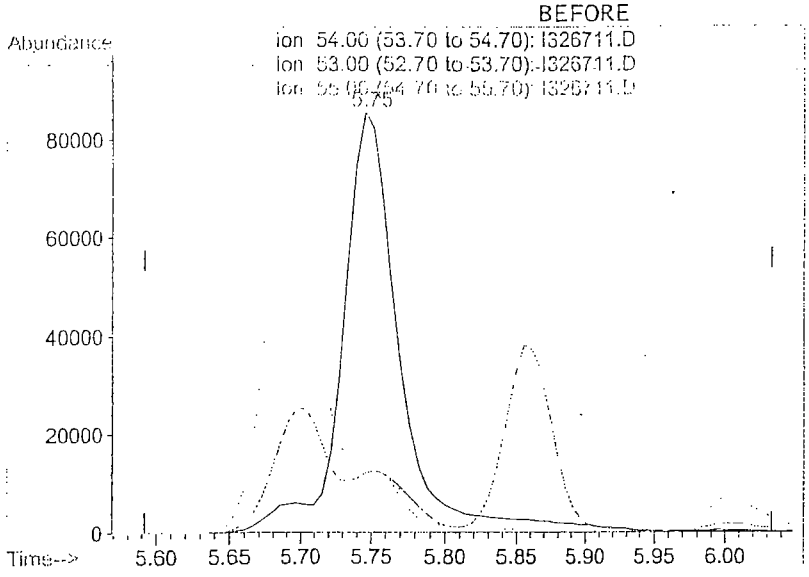
response 150530

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	522.
72.00	30.60	72.9
0.00	0.00	0.00

Propionitrile I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:25:48 2007

MAR 27 2007

BEFORE



TIC: I326711.D

(48) Propionitrile (T)

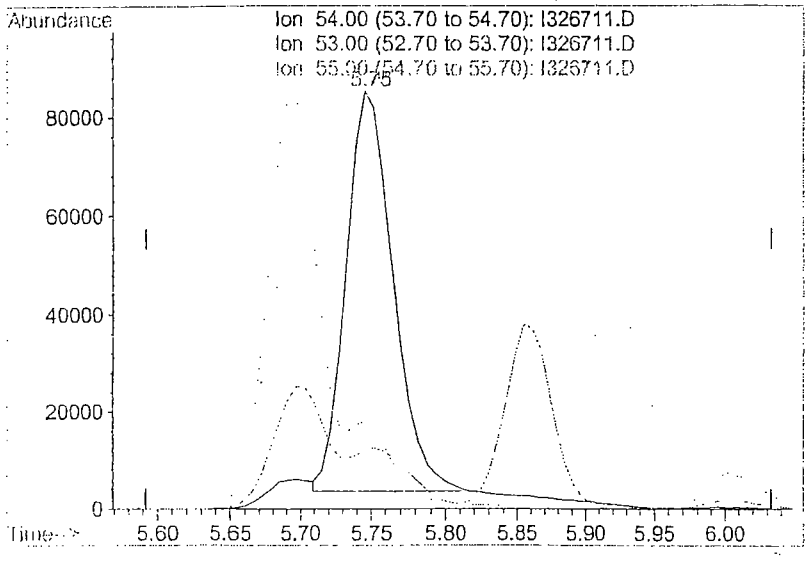
5.75min 817.35PPB

response 236835

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	82.4
55.00	108.20	108.
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326711.D

(48) Propionitrile (T)

5.75min 639.81PPB m

response 185391

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	105.3
55.00	108.20	138.
0.00	0.00	0.00

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

(Same as previous)

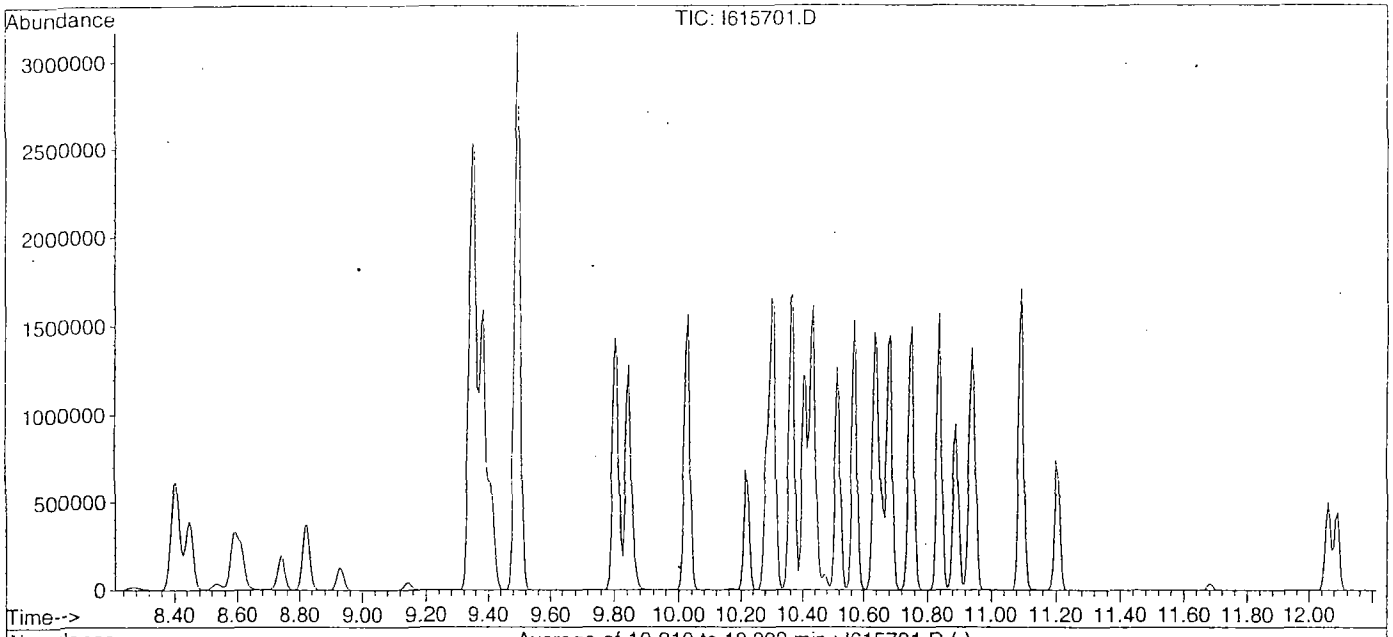
Method: 8260B

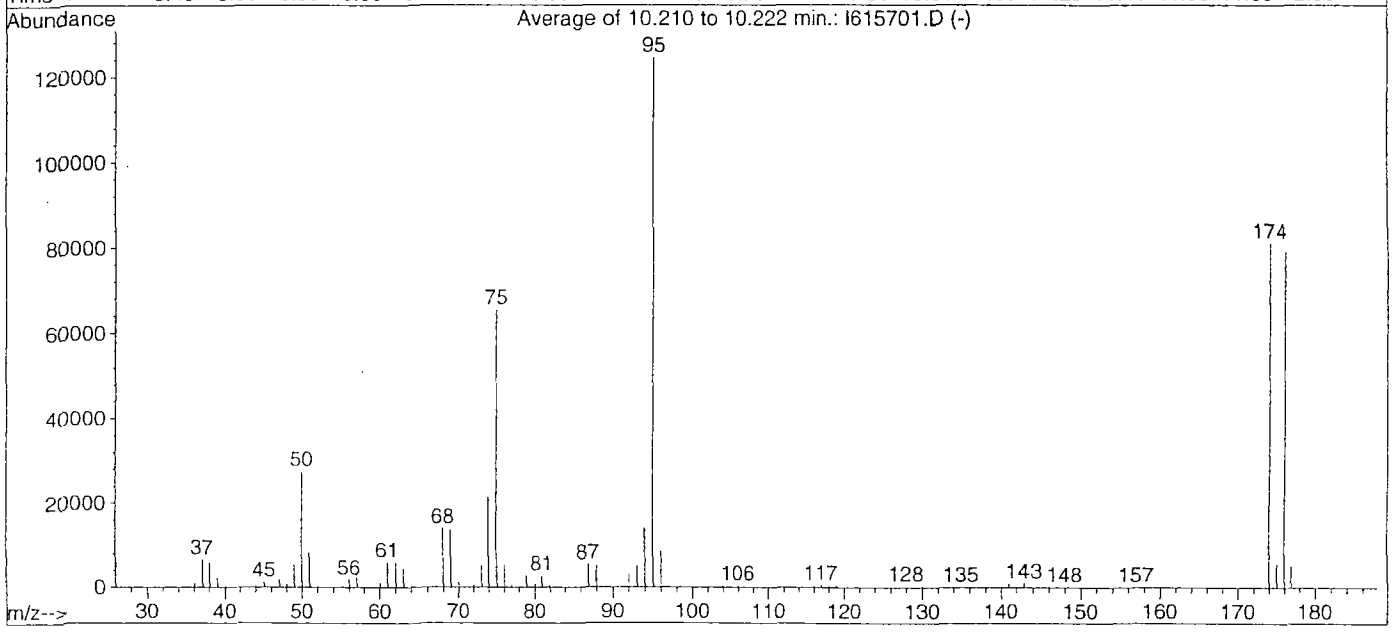
Associated Samples: 3

Batch Number: 7169358

BFB

Data File : H:\MSI.I\I061507.B\I615701.D Vial: 1
Acq On : 15 Jun 2007 10:15 am Operator: DY
Sample : CCV;CCV Inst : MSI
Misc : 1,1, 07MSV0456,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water



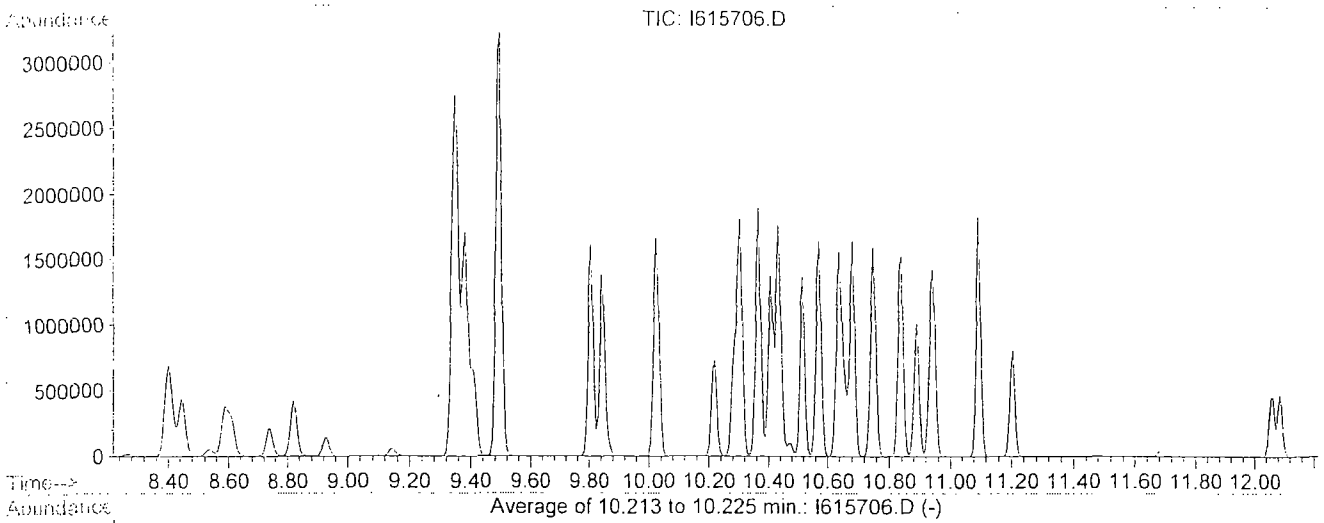


AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	27592	PASS
75	95	30	60	52.6	65592	PASS
95	95	100	100	100.0	124584	PASS
96	95	5	9	6.9	8647	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.2	81200	PASS
175	174	5	9	7.2	5857	PASS
176	174	95	101	97.4	79112	PASS
177	176	5	9	6.5	5129	PASS

BFB

Data File : H:\MSI.I\I061507.B\I615706.D Vial: 6
Acq On : 15 Jun 2007 3:40 pm Operator: DY
Sample : CCV;CCV Inst : MSI
Misc : 1,1, 07MSV0462,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water



AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1493

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	27624	PASS
75	95	30	60	50.2	66963	PASS
95	95	100	100	100.0	133283	PASS
96	95	5	9	6.9	9202	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.5	93907	PASS
175	174	5	9	7.2	6766	PASS
176	174	95	101	97.3	91331	PASS
177	176	5	9	6.7	6139	PASS

I615706.D I70326W.M Fri Jun 15 16:01:54 2007 MSI

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

Only worked up: Target Analytes TA 6/19/07

I615701.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Fluorobenzene (IS)	16.7	######	571660	1.000						0				0.03			
Dichlorodifluoromethane	20	0.434	239646	0.350			-19.38			81				0.04	4.03		
Chloromethane (SPCC)	20	0.409	254983	0.372	0.10		-9.02			91				0.03	2.72		
Vinyl chloride (CCC)	20	0.281	191633	0.280			-0.48	20		100				0.04	3.51		
Bromomethane	20	0.132	120640	0.176			33.60			134				0.13	12.78		
Ethylene oxide	250	0.015	0	0.000			-100.00			0				0.07	6.88		CHECK
Chloroethane	20	0.242	156884	0.229			-5.17			95				0.13	12.96		
Trichlorofluoromethane	20	0.467	258816	0.378			-19.04			81				0.07	6.93		
Ethyl ether	20	0.156	0	0.000			-100.00			0				0.06	5.88		CHECK
Ethanol	500	0.001	0	0.000			-100.00			0				0.17	17.38		CHECK
1,1-Dichloroethene (CCC)	20	0.254	181935	0.266			4.64	20		105				0.03	3.29		
Carbon disulfide	20	0.766	650213	0.950			23.92			124				0.04	4.17		
1,1,2-Trichlorotrifluoroetha	20	0.283	204279	0.298			5.58			106				0.05	5.22		
Propylene oxide	100	0.023	0	0.000			-100.00			0				0.08	8.16		CHECK
Iodomethane	20	0.240	201149	0.294			22.39			122				0.09	8.88		
Bromoethane	20	0.180	0	0.000			-100.00			0				0.03	3.47		CHECK
Acrolein	100	0.010	53845	0.016			54.47			154				0.15	15.05		
3-Chloropropene	20	0.343	0	0.000			-100.00			0				0.05	5.49		CHECK
Methylene chloride	20	0.255	181394	0.265			4.06			104				0.04	4.39		
Acetone	20	0.021	18429	0.027			29.21			129				0.09	8.94		
trans-1,2-Dichloroethene	20	0.292	193680	0.283			-2.96			97				0.05	5.15		
Methyl acetate	50	0.021	32371	0.019			-9.28			91				0.04	4.31		
Hexane	20	0.115	0	0.000			-100.00			0				0.04	3.65		CHECK
Methyl tert-butyl ether (MT	20	0.434	313149	0.457			5.29			105				0.09	9.39		
tert-Butyl alcohol	500	0.007	95810	0.006			-17.35			83				1.00	99.63	*	
Acetonitrile	100	0.004	0	0.000			-100.00			0				0.12	12.31		CHECK
Isopropyl ether	20	0.745	0	0.000			-100.00			0				0.08	8.47		CHECK
2-Chloro-1,3-butadiene	20	0.219	0	0.000			-100.00			0				0.10	10.44		CHECK
1,1-Dichloroethane (SPCC)	20	0.545	430637	0.629	0.10		15.46			115				0.04	4.13		
Acrylonitrile	100	0.037	156338	0.046			22.46			122				0.07	6.83		
Vinyl acetate	20	0.234	222648	0.325			38.81			139				0.17	17.12		
cis-1,2-Dichloroethene	20	0.289	190521	0.278			-3.69			96				0.04	4.45		
2,2-Dichloropropane	20	0.400	320025	0.467			16.81			117				0.08	7.85		
Cyclohexane	20	0.727	0	0.000			-100.00			0				0.05	4.82		CHECK
Bromochloromethane	20	0.118	0	0.000			-100.00			0				0.04	3.89		CHECK
2-Methylhexane	20			0.000			NC								0.00		
Chloroform (CCC)	20	0.463	336778	0.492			6.28	20		106				0.04	3.97		
Carbon tetrachloride	20	0.320	241518	0.353			10.14			110				0.03	3.37		
3-Methylhexane	20	0.259	0	0.000			-100.00			0				0.05	4.59		CHECK
Ethyl acetate	100	0.087	0	0.000			-100.00			0				1.00	99.99	*	CHECK
Tetrahydrofuran	20	0.043	0	0.000			-100.00			0				0.13	12.74		CHECK
1,1,1-Trichloroethane	20	0.401	304791	0.445			11.13			111				0.03	3.13		
1,1-Dichloropropene	20	0.423	323951	0.473			11.77			112				0.04	3.78		
2-Butanone (MEK)	20	0.037	29622	0.043			18.43			118				0.05	5.22		
Benzene	20	1.274	912856	1.333			4.65			105				0.05	4.69		
Heptane	20			0.000			NC								0.00		
Propionitrile	100	0.010	0	0.000			-100.00			0				0.08	7.85		CHECK
Methacrylonitrile	100	0.047	0	0.000			-100.00			0				0.13	13.34		CHECK
1,2-Dichloroethane	20	0.266	201896	0.295			10.81			111				0.04	3.83		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I615701.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Isobutyl alcohol	500	0.003	0	0.000			-100.00			0				1.00	99.55	*	CHECK
Methylcyclohexane	50	0.550	989845	0.578			5.16			105				0.05	4.90		
Trichloroethene	20	0.295	197462	0.288			-2.36			98				0.03	3.05		
Dibromomethane	20	0.093	59067	0.086			-6.76			93				0.04	4.08		
n-Butanol	1000	0.001	40295	0.001			2.68			103				1.00	99.98	*	
1,2-Dichloropropane (CCC)	20	0.268	204609	0.299			11.38	20		111				0.03	3.39		
Bromodichloromethane	20	0.284	207697	0.303			6.96			107				0.07	7.45		
1,4-Dioxane	500	0.001	0	0.000			-100.00			0				0.21	20.72		CHECK
Methyl methacrylate	20	0.099	0	0.000			-100.00			0				1.00	99.80	*	CHECK
1-Bromo-2-chloroethane	20	0.249	0	0.000			-100.00			0				0.06	5.89		CHECK
cis-1,3-Dichloropropene	20	0.346	268106	0.392			13.28			113				0.16	16.45		
2-Chloroethyl vinyl ether	20	0.066	60659	0.089			33.93			134				1.00	99.96	*	
Chlorobenzene-d5 (IS)	16.7	1.000	104686	1.000						100				0.00			
Toluene (CCC)	20	6.572	861058	6.868			4.50	20		104				0.03	3.05		
Epichlorohydrin	100	0.041	0	0.000			-100.00			0				0.16	16.30		CHECK
2-Nitropropane	20	0.076	0	0.000			-100.00			0				1.00	99.99	*	CHECK
Tetrachloroethene	20	1.314	136844	1.091			-16.92			83				0.03	2.71		
4-Methyl-2-pentanone (MIB	20	0.488	54676	0.436			-10.71			89				1.00	99.79	*	
trans-1,3-Dichloropropene	20	1.334	192553	1.536			15.13			115				0.18	18.38		
1,1,2-Trichloroethane	20	0.753	91195	0.727			-3.44			97				0.03	3.39		
4-Methyl-2-pentanol (MIBC)	100	0.029	0	0.000			-100.00			0				1.00	100.00	*	CHECK
Ethyl methacrylate	20	1.097	0	0.000			-100.00			0				1.00	99.74	*	CHECK
Dibromochloromethane	20	0.705	88580	0.707			0.19			100				0.15	14.77		
1,3-Dichloropropane	20	1.527	198098	1.580			3.48			103				0.03	3.38		
1,2-Dibromoethane (EDB)	20	0.632	77452	0.618			-2.23			98				0.08	8.45		
2-Hexanone	20	0.310	28339	0.226			-27.19			73				1.00	99.60	*	
Chlorobenzene (SPCC)	20	3.777	464339	3.704	0.30		-1.93			98				0.06	5.71		
1-Chlorohexane	20	1.537	0	0.000			-100.00			0				0.14	14.27		CHECK
Ethylbenzene (CCC)	20	2.194	278731	2.223			1.33	20		101				0.03	2.97		
1,1,1,2-Tetrachloroethane	20	1.056	132506	1.057			0.11			100				0.05	5.24		
m&p-Xylene	40	2.649	705236	2.813			6.16			106				0.06	6.48		
o-Xylene	20	2.380	309899	2.472			3.84			104				0.07	6.92		
Bromoform (SPCC)	20	0.282	32055	0.256	0.10		-9.45			91				0.19	18.94		
Styrene	20	3.315	449873	3.588			8.23			108				0.19	19.31		
Isopropylbenzene	20	6.140	809853	6.460			5.21			105				0.06	6.11		
Bromobenzene	20	1.110	133067	1.061			-4.37			96				0.05	4.68		
n-Propylbenzene	20	1.637	209401	1.670			2.05			102				0.07	6.64		
1,1,2,2-Tetrachloroethane (	20	0.624	75518	0.602	0.30		-3.40			97				0.04	4.33		
1,4-Dichlorobenzene-d4 (IS)	16.7	1.000	111901	1.000						100				0.00			
2-Chlorotoluene	20	1.193	164113	1.225			2.63			103				0.03	2.66		
Cyclohexanone	100	0.006	0	0.000			-100.00			0				1.00	99.79	*	CHECK
1,2,3-Trichloropropane	20	0.185	24379	0.182			-1.60			98				0.03	2.54		
trans-1,4-Dichloro-2-butene	20	0.039	4801	0.036			-7.82			92				1.00	99.98	*	
3-Ethyltoluene	20	4.820	0	0.000			-100.00			0				0.07	7.07		CHECK

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I615701.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
4-Chlorotoluene	20	1.191	165165	1.232			3.44			103				0.04	3.66		
1,3,5-Trimethylbenzene	20	4.214	615769	4.595			9.04			109				0.07	6.63		
2-Ethyltoluene	20	4.806	0	0.000			-100.00			0				0.05	5.26		CHECK
tert-Butylbenzene	20	2.403	362823	2.707			12.66			113				0.05	5.04		
Pentachloroethane	20	0.357	0	0.000			-100.00			0				0.09	9.04		CHECK
1,2,4-Trimethylbenzene	20	4.003	588911	4.394			9.79			110				0.06	6.11		
sec-Butylbenzene	20	5.465	783945	5.850			7.04			107				0.06	5.82		
p-Isopropyltoluene	20	4.299	633397	4.726			9.95			110				0.09	8.66		
1,3-Dichlorobenzene	20	1.955	258176	1.926			-1.46			99				0.03	3.28		
1,4-Dichlorobenzene	20	1.954	255918	1.910			-2.28			98				0.05	5.33		
Benzyl chloride	20	0.220	0	0.000			-100.00			0				1.00	99.64	*	CHECK
n-Butylbenzene	20	0.996	144172	1.076			7.98			108				0.10	10.20		
1,2-Dichlorobenzene	20	1.509	197949	1.477			-2.13			98				0.02	2.31		
1,3,5-Trichlorobenzene	50	1.115	0	0.000			-100.00			0				0.05	4.92		CHECK
1,2-Dibromo-3-chloropropan	20	0.069	5180	0.039			-43.72			56				1.00	99.60	*	
Hexachlorobutadiene	20	0.469	69734	0.520			10.96			111				0.03	2.96		
1,2,4-Trichlorobenzene	20	0.675	94383	0.704			4.27			104				0.10	10.04		
Naphthalene	20	1.150	0	0.000			-100.00			0				1.00	99.83	*	CHECK
1,2,3-Trichlorobenzene	20	0.445	0	0.000			-100.00			0				0.15	14.70		CHECK
Dibromofluoromethane (Sur	16.7	0.228	136483	0.239			4.52			105	81	110		0.03	3.30		
1,2-Dichloroethane-d4 (Surr	16.7	0.126	78658	0.138			8.92			109	75	115		0.08	7.69		
Toluene-d8 (Surr)	16.7	0.979	625287	1.094			11.78			112	90	114		0.05			
1,4-Bromofluorobenzene (S	16.7	1.604	179695	1.717			7.03			107	86	117		0.04			
						Average % differenc	-28.16										

Q - Failed criteria
NC-Not Calibrated

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

Only worked up: Target Analytes JA 6/19/07

I615706.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Fluorobenzene (IS)	16.7	######	620584	1.000						0				0.03			
Dichlorodifluoromethane	20	0.434	251517	0.338			-22.06			78				0.04	4.03		
Chloromethane (SPCC)	20	0.409	254682	0.343	0.10		-16.29			84				0.03	2.72		
Vinyl chloride (CCC)	20	0.281	188181	0.253			-9.97	20		90				0.04	3.51		
Bromomethane	20	0.132	110577	0.149			12.80			113				0.13	12.78		
Ethylene oxide	250	0.015	0	0.000			-100.00			0				0.07	6.88		CHECK
Chloroethane	20	0.242	160777	0.216			-10.47			90				0.13	12.96		
Trichlorofluoromethane	20	0.467	270850	0.364			-21.96			78				0.07	6.93		
Ethyl ether	20	0.156	0	0.000			-100.00			0				0.06	5.88		CHECK
Ethanol	500	0.001	0	0.000			-100.00			0				0.17	17.38		CHECK
1,1-Dichloroethene (CCC)	20	0.254	199795	0.269			5.85	20		106				0.03	3.29		
Carbon disulfide	20	0.766	693236	0.933			21.70			122				0.04	4.17		
1,1,2-Trichlorotrifluoroethar	20	0.283	223568	0.301			6.44			106				0.05	5.22		
Propylene oxide	100	0.023	0	0.000			-100.00			0				0.08	8.16		CHECK
Iodomethane	20	0.240	216597	0.291			21.40			121				0.09	8.88		
Bromoethane	20	0.180	0	0.000			-100.00			0				0.03	3.47		CHECK
Acrolein	100	0.010	61690	0.017			63.03			163				0.15	15.05		
3-Chloropropene	20	0.343	0	0.000			-100.00			0				0.05	5.49		CHECK
Methylene chloride	20	0.255	200577	0.270			6.00			106				0.04	4.39		
Acetone	20	0.021	20665	0.028			33.47			133				0.09	8.94		
trans-1,2-Dichloroethene	20	0.292	213230	0.287			-1.58			98				0.05	5.15		
Methyl acetate	50	0.021	38228	0.021			-1.32			99				0.04	4.31		
Hexane	20	0.115	0	0.000			-100.00			0				0.04	3.65		CHECK
Methyl tert-butyl ether (MT	20	0.434	363219	0.489			12.50			112				0.09	9.39		
tert-Butyl alcohol	500	0.007	126364	0.007			0.41			100				1.00	99.63	*	
Acetonitrile	100	0.004	0	0.000			-100.00			0				0.12	12.31		CHECK
Isopropyl ether	20	0.745	0	0.000			-100.00			0				0.08	8.47		CHECK
2-Chloro-1,3-butadiene	20	0.219	0	0.000			-100.00			0				0.10	10.44		CHECK
1,1-Dichloroethane (SPCC)	20	0.545	463175	0.623	0.10		14.39			114				0.04	4.13		
Acrylonitrile	100	0.037	177353	0.048			27.97			128				0.07	6.83		
Vinyl acetate	20	0.234	255445	0.344			46.70			147				0.17	17.12		
cis-1,2-Dichloroethene	20	0.289	212482	0.286			-1.06			99				0.04	4.45		
2,2-Dichloropropane	20	0.400	348201	0.469			17.08			117				0.08	7.85		
Cyclohexane	20	0.727	0	0.000			-100.00			0				0.05	4.82		CHECK
Bromochloromethane	20	0.118	0	0.000			-100.00			0				0.04	3.89		CHECK
2-Methylhexane	20			0.000			NC								0.00		
Chloroform (CCC)	20	0.463	365869	0.492			6.36	20		106				0.04	3.97		
Carbon tetrachloride	20	0.320	258391	0.348			8.54			109				0.03	3.37		
3-Methylhexane	20	0.259	0	0.000			-100.00			0				0.05	4.59		CHECK
Ethyl acetate	100	0.087	0	0.000			-100.00			0				1.00	99.99	*	CHECK
Tetrahydrofuran	20	0.043	0	0.000			-100.00			0				0.13	12.74		CHECK
1,1,1-Trichloroethane	20	0.401	327749	0.441			10.08			110				0.03	3.13		
1,1-Dichloropropene	20	0.423	350909	0.472			11.53			112				0.04	3.78		
2-Butanone (MEK)	20	0.037	34610	0.047			27.46			127				0.05	5.22		
Benzene	20	1.274	1006974	1.355			6.34			106				0.05	4.69		
Heptane	20			0.000			NC								0.00		
Propionitrile	100	0.010	0	0.000			-100.00			0				0.08	7.85		CHECK
Methacrylonitrile	100	0.047	0	0.000			-100.00			0				0.13	13.34		CHECK
1,2-Dichloroethane	20	0.266	216380	0.291			9.39			109				0.04	3.83		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I615706.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%)	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Isobutyl alcohol	500	0.003	0	0.000			-100.00			0				1.00	99.55	*	CHECK
Methylcyclohexane	50	0.550	1077882	0.580			5.48			105				0.05	4.90		
Trichloroethene	20	0.295	218009	0.293			-0.70			99				0.03	3.05		
Dibromomethane	20	0.093	66221	0.089			-3.71			96				0.04	4.08		
n-Butanol	1000	0.001	57429	0.002			34.80			135				1.00	99.98	*	
1,2-Dichloropropane (CCC)	20	0.268	228816	0.308			14.74	20		115				0.03	3.39		
Bromodichloromethane	20	0.284	226975	0.305			7.67			108				0.07	7.45		
1,4-Dioxane	500	0.001	0	0.000			-100.00			0				0.21	20.72		CHECK
Methyl methacrylate	20	0.099	0	0.000			-100.00			0				1.00	99.80	*	CHECK
1-Bromo-2-chloroethane	20	0.249	0	0.000			-100.00			0				0.06	5.89		CHECK
cis-1,3-Dichloropropene	20	0.346	300955	0.405			17.14			117				0.16	16.45		
2-Chloroethyl vinyl ether	20	0.066	72074	0.097			46.59			147				1.00	99.96	*	
Chlorobenzene-d5 (IS)	16.7	1.000	112636	1.000						100				0.00			
Toluene (CCC)	20	6.572	943498	6.994			6.42	20		106				0.03	3.05		
Epichlorohydrin	100	0.041	0	0.000			-100.00			0				0.16	16.30		CHECK
2-Nitropropane	20	0.076	0	0.000			-100.00			0				1.00	99.99	*	CHECK
Tetrachloroethene	20	1.314	153171	1.135			-13.57			86				0.03	2.71		
4-Methyl-2-pentanone (MIB	20	0.488	65849	0.488			-0.06			100				1.00	99.79	*	
trans-1,3-Dichloropropene	20	1.334	215813	1.600			19.93			120				0.18	18.38		
1,1,2-Trichloroethane	20	0.753	105106	0.779			3.43			103				0.03	3.39		
4-Methyl-2-pentanol (MIBC)	100	0.029	0	0.000			-100.00			0				1.00	100.00	*	CHECK
Ethyl methacrylate	20	1.097	0	0.000			-100.00			0				1.00	99.74	*	CHECK
Dibromochloromethane	20	0.705	100400	0.744			5.55			106				0.15	14.77		
1,3-Dichloropropane	20	1.527	223929	1.660			8.72			109				0.03	3.38		
1,2-Dibromoethane (EDB)	20	0.632	89305	0.662			4.77			105				0.08	8.45		
2-Hexanone	20	0.310	36439	0.270			-12.99			87				1.00	99.60	*	
Chlorobenzene (SPCC)	20	3.777	509815	3.779	0.30		0.07			100				0.06	5.71		
1-Chlorohexane	20	1.537	0	0.000			-100.00			0				0.14	14.27		CHECK
Ethylbenzene (CCC)	20	2.194	304291	2.256			2.81	20		103				0.03	2.97		
1,1,1,2-Tetrachloroethane	20	1.056	148033	1.097			3.95			104				0.05	5.24		
m&p-Xylene	40	2.649	762041	2.825			6.62			107				0.06	6.48		
o-Xylene	20	2.380	341746	2.533			6.43			106				0.07	6.92		
Bromoform (SPCC)	20	0.282	37698	0.279	0.10		-1.03			99				0.19	18.94		
Styrene	20	3.315	503141	3.730			12.50			113				0.19	19.31		
Isopropylbenzene	20	6.140	872824	6.470			5.39			105				0.06	6.11		
Bromobenzene	20	1.110	148371	1.100			-0.90			99				0.05	4.68		
n-Propylbenzene	20	1.637	228435	1.693			3.46			103				0.07	6.64		
1,1,2,2-Tetrachloroethane (	20	0.624	86008	0.638	0.30		2.25			102				0.04	4.33		
1,4-Dichlorobenzene-d4 (IS)	16.7	1.000	120484	1.000						100				0.00			
2-Chlorotoluene	20	1.193	180033	1.248			4.56			105				0.03	2.66		
Cyclohexanone	100	0.006	0	0.000			-100.00			0				1.00	99.79	*	CHECK
1,2,3-Trichloropropane	20	0.185	27451	0.190			2.91			103				0.03	2.54		
trans-1,4-Dichloro-2-butene	20	0.039	5309	0.037			-5.33			95				1.00	99.98	*	
3-Ethyltoluene	20	4.820	0	0.000			-100.00			0				0.07	7.07		CHECK

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I615706.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
4-Chlorotoluene	20	1.191	180112	1.248			4.76			105				0.04	3.66		
1,3,5-Trimethylbenzene	20	4.214	666405	4.618			9.60			110				0.07	6.63		
2-Ethyltoluene	20	4.806	0	0.000			-100.00			0				0.05	5.26		CHECK
tert-Butylbenzene	20	2.403	380013	2.634			9.59			110				0.05	5.04		
Pentachloroethane	20	0.357	0	0.000			-100.00			0				0.09	9.04		CHECK
1,2,4-Trimethylbenzene	20	4.003	631546	4.377			9.35			109				0.06	6.11		
sec-Butylbenzene	20	5.465	831359	5.762			5.43			105				0.06	5.82		
p-Isopropyltoluene	20	4.299	670563	4.647			8.11			108				0.09	8.66		
1,3-Dichlorobenzene	20	1.955	283289	1.963			0.42			100				0.03	3.28		
1,4-Dichlorobenzene	20	1.954	279697	1.938			-0.81			99				0.05	5.33		
Benzyl chloride	20	0.220	0	0.000			-100.00			0				1.00	99.64	*	CHECK
n-Butylbenzene	20	0.996	153826	1.066			7.00			107				0.10	10.20		
1,2-Dichlorobenzene	20	1.509	217463	1.507			-0.14			100				0.02	2.31		
1,3,5-Trichlorobenzene	50	1.115	0	0.000			-100.00			0				0.05	4.92		CHECK
1,2-Dibromo-3-chloropropar	20	0.069	5997	0.042			-39.49			61				1.00	99.60	*	
Hexachlorobutadiene	20	0.469	69584	0.482			2.83			103				0.03	2.96		
1,2,4-Trichlorobenzene	20	0.675	100847	0.699			3.48			103				0.10	10.04		
Naphthalene	20	1.150	0	0.000			-100.00			0				1.00	99.83	*	CHECK
1,2,3-Trichlorobenzene	20	0.445	0	0.000			-100.00			0				0.15	14.70		CHECK
Dibromofluoromethane (Sur	16.7	0.228	146889	0.237			3.62			104	81	110		0.03	3.30		
1,2-Dichloroethane-d4 (Surr	16.7	0.126	84754	0.137			8.11			108	75	115		0.08	7.69		
Toluene-d8 (Surr)	16.7	0.979	677397	1.092			11.55			112	90	114		0.05			
1,4-Bromofluorobenzene (S	16.7	1.604	194649	1.728			7.75			108	86	117		0.04			
				Average % differenc			-26.56										

Q - Failed criteria
NC-Not Calibrated

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY (Form VIII)

File ID														BFB TIME IF NOT IN CCAL
Calcheck	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I615701.D	CCV;CCV,I061507	571660			6.166	104686			9.3407	111901			10.934	15 Jun 2007 10:15 am
Upper Limit		1143320	200			209372	200			223802	200			
Lower Limit		285830	50			52343	50			55950.5	50			

Sample	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I615702.D	LCS;LCS,I061507	583105	102		6.165	104126	99		9.3395	109207	98		10.939	15 Jun 2007 10:40 am
I615703.D	LCS;LCS,I061507	591541	103		6.167	108731	104		9.341	118784	106		10.934	15 Jun 2007 11:08 am
I615704.D	J0GW31AD;I7F070158-10MS,I061507	615795	108		6.167	111658	107		9.341	118942	106		10.934	15 Jun 2007 12:53 pm
I615705.D	J0GW31AD;I7F070158-10MSD,I061507	612905	107		6.165	113778	109		9.3399	125598	112		10.933	15 Jun 2007 1:18 pm
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY (Form VIII)

File ID														BFB TIME IF NOT IN CCAL
Calcheck	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I615706.D	CCV;CCV,I061507	620584			6.163	112636			9.3437	120484			10.937	15 Jun 2007 3:40 pm
Upper Limit		1241168	200			225272	200			240968	200			
Lower Limit		310292	50			56318	50			60242	50			

Sample	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I615707.D	BLANK;BLANK	601459	97		6.166	106661	95		9.3401	110595	92		10.933	15 Jun 2007 4:05 pm
I615708.D	BLANK;BLANK	593111	96		6.166	103050	91		9.34	105113	87		10.933	15 Jun 2007 4:30 pm
I615709.D	BLANK;BLANK,I061507	591331	95		6.163	101702	90		9.3431	93753	78		10.936	15 Jun 2007 5:32 pm
I615710.D	JX8CC1AE;I7F040162-01,MBTEXT	598136	96		6.161	102201	91		9.3416	101127	84		10.935	15 Jun 2007 5:57 pm
I615711.D	J0A5A1A2;I7F050254-03,74895	594199	96		6.166	108783	97		9.3403	116993	97		10.934	15 Jun 2007 6:22 pm
I615712.D	J0GW31AD;I7F070158-10,I061507	586234	94		6.162	101054	90		9.3429	100480	83		10.936	15 Jun 2007 6:47 pm
I615713.D	J0HCP1AA;I7F070228-03,MBTEXT	560056	90		6.161	97030	86		9.3415	99231	82		10.935	15 Jun 2007 7:12 pm
I615714.D	J0HCV1AA;I7F070228-04,MBTEXT	562533	91		6.165	95688	85		9.3397	95661	79		10.933	15 Jun 2007 7:37 pm
I615715.D	J0HCW1AA;I7F070228-05,MBTEXT	551736	89		6.162	93921	83		9.3422	94688	79		10.936	15 Jun 2007 8:02 pm
I615716.D	J0HC31AA;I7F070228-07,MBTEXT	546168	88		6.16	94660	84		9.3407	96623	80		10.934	15 Jun 2007 8:27 pm
I615717.D	J0HC41AA;I7F070228-08,MBTEXT	532032	86		6.166	92525	82		9.3401	93309	77		10.933	15 Jun 2007 8:51 pm
I615718.D	J0HC61AA;I7F070228-09,MBTEXT	522138	84		6.166	90652	80		9.3404	91742	76		10.934	15 Jun 2007 9:16 pm
I615719.D	J0HC71AA;I7F070228-10,MBTEXT	517826	83		6.161	90510	80		9.3417	92776	77		10.935	15 Jun 2007 9:42 pm
I615720.D	J0HC81AA;I7F070228-11,MBTEXT	514603	83		6.166	88223	78		9.3404	87348	72		10.934	15 Jun 2007 10:06 pm
I615721.D	J0HDA1AA;I7F070228-12,MBTEXT	509738	82		6.166	88773	79		9.3409	92087	76		10.934	15 Jun 2007 10:32 pm
I615722.D	J0HDE1AA;I7F070228-14,MBTEXT	502842	81		6.163	88760	79		9.3434	91836	76		10.937	15 Jun 2007 10:57 pm
I615723.D	J0HDG1AA;I7F070228-15,MBTEXT	491412	79		6.166	85212	76		9.3404	85174	71		10.934	15 Jun 2007 11:22 pm
I615724.D	J0HDR1AA;I7F070228-17,MBTEXT	487243	79		6.165	85095	76		9.3399	85538	71		10.933	15 Jun 2007 11:47 pm
I615725.D	J0KE71AA;I7F070228-18,MBTEXT	491248	79		6.167	86953	77		9.3414	90124	75		10.935	16 Jun 2007 12:13 am
I615726.D	J0KE81AA;I7F070228-19,MBTEXT	482980	78		6.165	84642	75		9.3398	85798	71		10.933	16 Jun 2007 12:38 am
I615727.D	J0KFA1AA;I7F070228-21,MBTEXT	477570	77		6.166	83648	74		9.3404	82862	69		10.934	16 Jun 2007 1:03 am
I615728.D	J0HDC1AA;I7F070228-13 500X,MBTEXT	473947	76		6.166	83622	74		9.3404	85587	71		10.934	16 Jun 2007 1:28 am
I615729.D	J0HDP1AA;I7F070228-16 500X,MBTEXT	473179	76		6.165	82499	73		9.3455	85693	71		10.933	16 Jun 2007 1:54 am
I615730.D	J0KE91AA;I7F070228-20 25X,MBTEXT	465606	75		6.166	80904	72		9.3401	90332	75		10.933	16 Jun 2007 2:19 am
I615731.D	BLANK;BLANK	473303	76		6.166	81828	73		9.3402	83258	69		10.934	16 Jun 2007 2:44 am
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		
			0	Q			0	Q			0	Q		

QC & Sample Data

STL AUSTIN

MSVOA DATA REVIEW CHECK LIST

Lot Numbers / Lab Sample Numbers / Batch Numbers / HBN Numbers

7169358 - reg. 8260
7169368 - TRP (85)
7170257 - 624

Horizon Samples Only

MDL Date:

Analyst DOC Date:

Method / Queue: 8260B/624

Instrument ID: MSF

Analysis Date: 06/15/07

ICAL Date: 03/26/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
BFB tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct BFB included with analytical runs	✓			✓
12 hour (8260) / 24 hour (624) clock requirements met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits	✓			✓
Quantified against appropriate standard	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
Target analyte list match	✓			✓
Quality Control Samples				
Method blanks analyzed at required frequency	✓			✓
Method blanks less than reporting limits	✓			✓
LCS (LCSD) spike % recoveries and RPDs within limits		✓		✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances written	✓			✓
Required forms completed (CCV and IS macro forms)	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency			✓	✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer			✓	✓
Units checked	✓			✓

Comment on any "NO" response:

LCS/D out - see nom.
MS/D out - see LCS/D.

Analyst: TCA Date: 6/19/07

2nd Review: [signature] Date: 6/26/07

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/26/07
Time: 12:40:21

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____
_____

Concentrationist: _____
_____

****
* QC BATCH: 7169358 *
****

PREP DATE: 6/15/07 10:15
COMP DATE: 6/15/07 17:00

Reviewer/Date: _____ / 0/00/00

Volatile Organics, GC/MS (8260B)
PURGE AND TRAP - 15 mL purge (Waters)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	6/15/07	I7F040162-001 JX8CC-1-AE	R	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-003 J0A5A-1-A2	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/21/07	I7F070158-010 J0GW3-2-AA		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F180000-358 J08XN-1-AAB		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F180000-358 J08XN-1-ACC		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0462 07MSV0437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F180000-358 J08XN-1-ADL	R	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0462 07MSV0437IS 07MSV0438SUR
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 6

STL AUSTIN

PAGE #: 18

INSTRUMENT GCMS-I1
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME: 6/15/07 10:15

ANALYST / DATE: 6-15-7 DN
METHOD / TEST: 8260b
SOP #: AUS-MS-0004, current revision

DAILY CHECK ✓	COLUMN CHANGED N	P&T MAINT. (Describe) N	
M. PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, etc. Column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs

MASS SPECTROMETER CONDITIONS:

Tune File: Atune.u
Elect Mult. 1 1.8 volts
Tuning Performance: BFB
Sampling Rate 2^n 4
Scan Range 35-300 amu
Interface: Open-Split

GC PROGRAM:

GC Meth. I70326ew.m
Inj. Temp 150 C
Carrier Gas: Helium
Flow/Pressure 1.3
Initial Temp. 35 C
Init.Hold 2 min
Ramp 9 C/min
Final Temp. 85 C
Final Hold 0 min
2nd Ramp 30 C/min
2nd Temp 210 C
2nd Hold 4 min
3rd Ramp C/min
3rd Temp C
3rd Hold min

GC COLUMN:

Column ID#: MSVOAID 010
Phases/Loadings: RTXVMS
Capillary i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap Tekmar Velocity/Solatek
Split 120:1 Splitless

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

Vial	DataFile	Method	Sample Name
1	I615701	I70326W	CCV;CCV 1015am
2	I615702	I70326W	LCS;LCS
3	I615703	I70326W	LCS;LCS
4	I615704	I70326W	J0GW31AD;I7F070158-10MS
5	I615705	I70326W	J0GW31AE;I7F070158-10MSD
6	I615706	I70326W	CCV;CCV 0304 pm
7	I615707	I70326W	~~BLANK;BLANK~~ not used
8	I615708	I70326W	~~BLANK;BLANK~~
9	I615709	I70326W	BLANK;BLANK
10	I615710	I70326W	JX8CC1AE;I7F040162-01,MBTEXT
11	I615711	I70326W	J0A5A1A2;I7F050254-03,74895
12	I615712	I70326W	J0GW31AA;I7F070158-10 use for parent; do not report; extra analysis
13	I615713	I70326W	J0HCP1AA;I7F070228-03,57420
14	I615714	I70326W	J0HCV1AA;I7F070228-04,57420
15	I615715	I70326W	J0HCW1AA;I7F070228-05,57420
16	I615716	I70326W	J0HC31AA;I7F070228-07,57420
17	I615717	I70326W	J0HC41AA;I7F070228-08,57420
18	I615718	I70326W	J0HC61AA;I7F070228-09,57420
19	I615719	I70326W	J0HC71AA;I7F070228-10,57420
20	I615720	I70326W	J0HC81AA;I7F070228-11,57420
21	I615721	I70326W	J0HDA1AA;I7F070228-12,57420
22	I615722	I70326W	J0HDE1AA;I7F070228-14,57420
23	I615723	I70326W	J0HDG1AA;I7F070228-15,57420
24	I615724	I70326W	J0HDR1AA;I7F070228-17,57420
25	I615725	I70326W	J0KE71AA;I7F070228-18,57420
26	I615726	I70326W	J0KE81AA;I7F070228-19,57420
27	I615727	I70326W	J0KFA1AA;I7F070228-21,57420
28	I615728	I70326W	J0HDC1AA;I7F070228-13 500X,57
29	I615729	I70326W	J0HDP1AA;I7F070228-16 500X,57
30	I615730	I70326W	J0KE91AA;I7F070228-20 25X,574
31	I615731	I70326W	~~BLANK;BLANK~~ not used 0219am

TA 6/19/07 6-26-7 M
7169358 - reg. 8260
IAL
TRRP
7169368
BOP 6/26/07

Sequence Name: H:\MSI.I\SEQUENCE\I061507.S
Comment:
Operator: DY
Data Path: C:\HPCHEM\1\DATA\I061507.B\
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

7170257-624

Line	Type	Vial	DataFile	Method	Sample Name
1	Blank	1	I615701	I70326W	CCV;CCV 1215 am TLA 6/19/07 6-26-7M
2	Blank	2	I615702	I70326W	LCS;LCS
3	Blank	3	I615703	I70326W	LCS;LCS
4	Blank	4	I615704	I70326W	J0GW31A~~B~~;I7F070158-10MS
5	Blank	5	I615705	I70326W	J0GW31A~~B~~;I7F070158-10MSD IAL 7169358 - reg. 8260
6	Blank	6	I615706	I70326W	CCV;CCV 0304 pm
7	Blank	7	I615707	I70326W	~~BLANK;BLANK~~ not used
8	Blank	8	I615708	I70326W	~~BLANK;BLANK~~
9	Blank	9	I615709	I70326W	BLANK;BLANK
10	Blank	10	I615710	I70326W	JX8CC1AE;I7F040162-01,MBTEXT JX8CC2AD-624
11	Blank	11	I615711	I70326W	J0A5A1A2;I7F050254-03,74895
12	Blank	12	I615712	I70326W	J0GW3~~2AB~~;I7F070158-10 use for parent; do not report, extra analysis
13	Blank	13	I615713	I70326W	J0HCP1AA;I7F070228-03,57420
14	Blank	14	I615714	I70326W	J0HCV1AA;I7F070228-04,57420
15	Blank	15	I615715	I70326W	J0HCW1AA;I7F070228-05,57420
16	Blank	16	I615716	I70326W	J0HC31AA;I7F070228-07,57420
17	Blank	17	I615717	I70326W	J0HC41AA;I7F070228-08,57420
18	Blank	18	I615718	I70326W	J0HC61AA;I7F070228-09,57420
19	Blank	19	I615719	I70326W	J0HC71AA;I7F070228-10,57420
20	Blank	20	I615720	I70326W	J0HC81AA;I7F070228-11,57420
21	Blank	21	I615721	I70326W	J0HDA1AA;I7F070228-12,57420
22	Blank	22	I615722	I70326W	J0HDE1AA;I7F070228-14,57420
23	Blank	23	I615723	I70326W	J0HDG1AA;I7F070228-15,57420
24	Blank	24	I615724	I70326W	J0HDR1AA;I7F070228-17,57420
25	Blank	25	I615725	I70326W	J0KE71AA;I7F070228-18,57420
26	Blank	26	I615726	I70326W	J0KE81AA;I7F070228-19,57420
27	Blank	27	I615727	I70326W	J0KFA1AA;I7F070228-21,57420
28	Blank	28	I615728	I70326W	J0HDC1AA;I7F070228-13 500X,57
29	Blank	29	I615729	I70326W	J0HDP1AA;I7F070228-16 500X,57
30	Blank	30	I615730	I70326W	J0KE91AA;I7F070228-20 25X,574
31	Blank	31	I615731	I70326W	~~BLANK;BLANK~~ not used 0219am

TRP 7169368

2Clene + 12DCP LCS ↑ Samples were NA or ND

NO RR

HT 6/15
due 6/18

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615701.D Vial: 1
Acq On : 15 Jun 2007 10:15 am Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0456,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:31 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes

TU 6/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	571660	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	104686	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	111901	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	136483	17.4546 PPB	-0.04
Spiked Amount 16.700			Recovery	= 104.49%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	78658	18.1897 PPB	-0.04
Spiked Amount 16.700			Recovery	= 108.92%	
64) Toluene-d8 (Surr)	7.98	98	625287	18.6672 PPB	-0.01
Spiked Amount 16.700			Recovery	= 111.80%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	179695	17.8736 PPB	-0.02
Spiked Amount 16.700			Recovery	= 107.01%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	239646	16.1238 PPB	S	98
3) Chloromethane (SPCC)	1.65	50	254983	18.1955 PPB		98
4) Vinyl chloride (CCC)	1.73	62	191633	19.9049 PPB		100
5) Bromomethane	2.06	94	120640	26.7200 PPB		99
7) Chloroethane	2.20	64	156884	18.9670 PPB		97
8) Trichlorofluoromethane	2.33	101	258816	16.1915 PPB		92
11) 1,1-Dichloroethene (CCC)	2.85	96	181935	20.9272 PPB	#	82
12) Carbon disulfide	2.86	76	650213	24.7834 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	204279	21.1153 PPB		97
15) Iodomethane	2.99	142	201149	24.4780 PPB		95
17) Acrolein	3.20	56	53845	154.4723 PPB		98
19) Methylene chloride	3.45	84	181394	20.8128 PPB	#	69
20) Acetone	3.50	43	18429	25.8421 PPB		90
21) trans-1,2-Dichloroethene	3.61	96	193680	19.4088 PPB		86
22) Methyl acetate	3.64	74	32371	45.3579 PPB	#	100
24) Methyl tert-butyl ether (M	3.73	73	313149	21.0583 PPB	#	59
25) tert-Butyl alcohol	3.85	59	95810	475.1377 PPB	#	62
29) 1,1-Dichloroethane (SPCC)	4.24	63	430637	23.0916 PPB		98
30) Acrylonitrile	4.29	53	156338	122.4611 PPB	#	98
31) Vinyl acetate	4.52	43	222648	27.7615 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	190521	19.2615 PPB		87
33) 2,2-Dichloropropane	4.91	77	320025	23.3627 PPB	#	99
37) Chloroform (CCC)	5.10	83	336778	21.2568 PPB	#	84
38) Carbon tetrachloride	5.22	117	241518	22.0272 PPB		98
43) 1,1,1-Trichloroethane	5.30	97	304791	22.2266 PPB		96
44) 1,1-Dichloropropene	5.44	75	323951	22.3547 PPB		88
45) 2-Butanone (MEK)	5.44	43	29622	23.6857 PPB		99
46) Benzene	5.70	78	912856	20.9305 PPB		97
51) 1,2-Dichloroethane	5.93	62	201896	22.1615 PPB		99
53) Methylcyclohexane	6.33	83	989845	52.5790 PPB		89
54) Trichloroethene	6.35	130	197462	19.5286 PPB		95
55) Dibromomethane	6.82	93	59067	18.6484 PPB		94
56) n-Butanol	6.79	56	40295	999.4613 ug/L		86
57) 1,2-Dichloropropane (CCC)	6.94	63	204609	22.2761 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615701.D Vial: 1
Acq On : 15 Jun 2007 10:15 am Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0456,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:31 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
58)	Bromodichloromethane	7.03	83	207697	21.3911	PPB		97
62)	cis-1,3-Dichloropropene	7.78	75	268106	22.6564	PPB		91
63)	2-Chloroethyl vinyl ether	7.74	63	60659	29.9326	PPB		93
66)	Toluene (CCC)	8.03	91	861058	20.8998	PPB		98
69)	Tetrachloroethene	8.40	164	136844	16.6156	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	54676	20.8773	PPB	#	92
71)	trans-1,3-Dichloropropene	8.45	75	192553	23.0252	PPB		92
72)	1,1,2-Trichloroethane	8.59	97	91195	19.3113	PPB		94
75)	Dibromochloromethane	8.74	129	88580	20.0390	PPB		100
76)	1,3-Dichloropropane	8.82	76	198098	20.6959	PPB		89
77)	1,2-Dibromoethane (EDB)	8.93	107	77452	19.5536	PPB		99
78)	2-Hexanone	9.14	43	28339	19.8741	PPB		83
79)	Chlorobenzene (SPCC)	9.35	112	464339	19.6138	PPB		93
81)	Ethylbenzene (CCC)	9.38	106	278731	20.2652	PPB		74
82)	1,1,1,2-Tetrachloroethane	9.41	131	132506	20.0224	PPB	#	1
83)	m&p-Xylene	9.49	106	705236	42.4659	PPB		94
84)	o-Xylene	9.80	106	309899	20.7681	PPB		94
85)	Bromoform (SPCC)	9.86	173	32055	18.1097	PPB		99
86)	Styrene	9.85	104	449873	21.6457	PPB		96
87)	Isopropylbenzene	10.03	105	809853	21.0424	PPB		97
88)	Bromobenzene	10.29	156	133067	19.1263	PPB	#	84
89)	n-Propylbenzene	10.31	120	209401	20.4092	PPB	#	81
90)	1,1,2,2-Tetrachloroethane	10.36	83	75518	19.3199	PPB		97
93)	2-Chlorotoluene	10.41	126	164113	20.5258	PPB	#	84
95)	1,2,3-Trichloropropane	10.45	110	24379	19.6805	PPB	#	76
96)	trans-1,4-Dichloro-2-buten	10.47	89	4801	18.6566	PPB	#	1
98)	4-Chlorotoluene	10.51	126	165165	20.6875	PPB	#	86
99)	1,3,5-Trimethylbenzene	10.44	105	615769	21.8073	PPB		96
101)	tert-Butylbenzene	10.64	91	362823	22.5319	PPB		89
103)	1,2,4-Trimethylbenzene	10.68	105	588911	21.9570	PPB		96
104)	sec-Butylbenzene	10.75	105	783945	21.4078	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	633397	21.9902	PPB		97
106)	1,3-Dichlorobenzene	10.89	146	258176	19.7076	PPB		99
107)	1,4-Dichlorobenzene	10.95	146	255918	19.5438	PPB	#	100
109)	n-Butylbenzene	11.10	134	144172	21.5957	PPB	#	86
110)	1,2-Dichlorobenzene	11.20	146	197949	19.5748	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5180	15.9072	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	69734	22.1911	PPB		99
114)	1,2,4-Trichlorobenzene	12.09	180	94383	20.8549	PPB		99

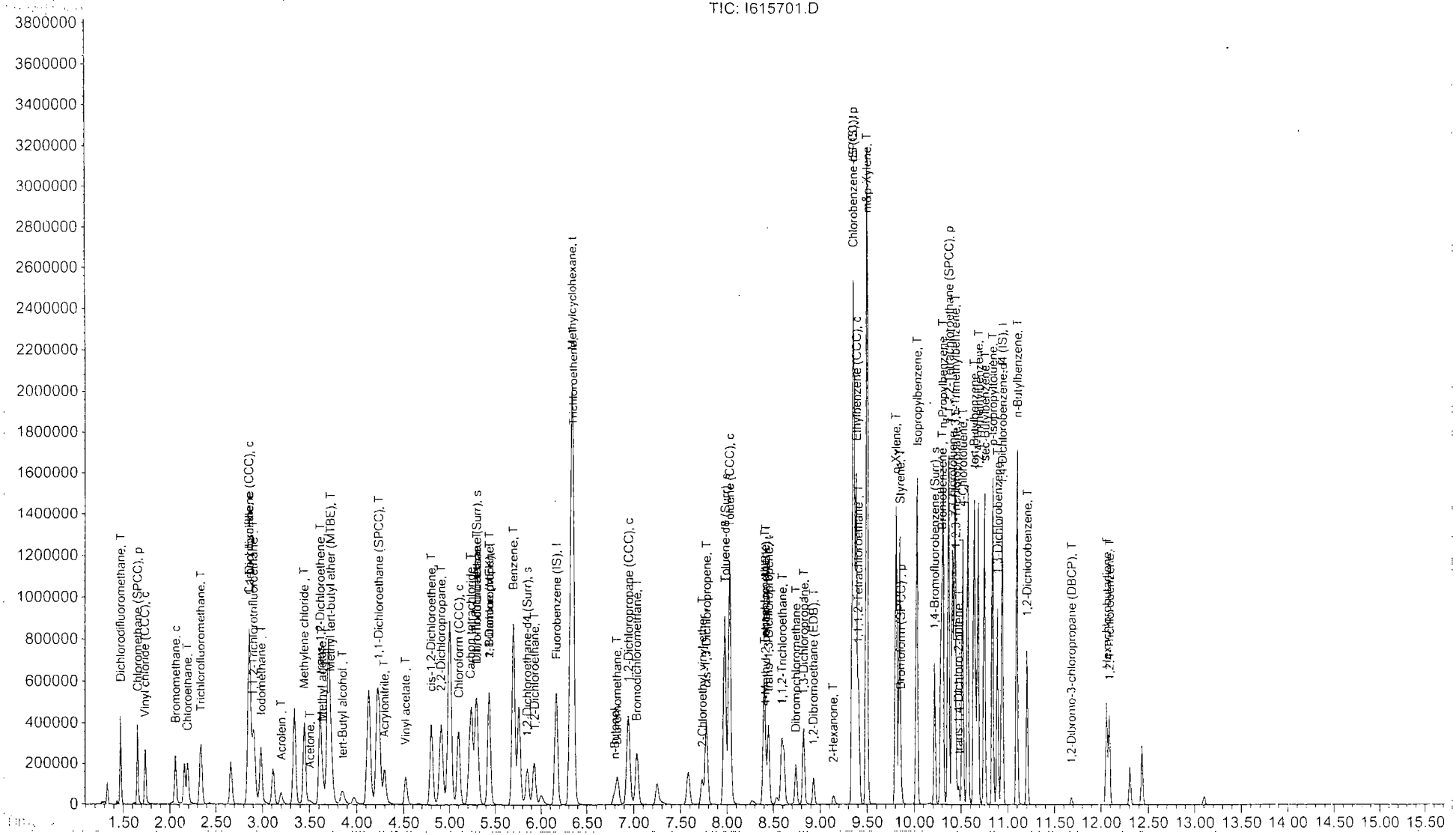
(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061507.B\I615701.D Vial: 1
Acq On : 15 Jun 2007 10:15 am Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0456,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:31 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration

TIC: I615701.D



330

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615702.D Vial: 2
Acq On : 15 Jun 2007 10:40 am Operator: DY
Sample : LCS;LCS,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451,452 5uL/50mL Multiplr: 1:00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:32 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes TLA 6/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	583105	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	104126	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	109207	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	134358	16.8456 PPB	-0.04
Spiked Amount 16.700			Recovery	= 100.90%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	76133	17.2603 PPB	-0.04
Spiked Amount 16.700			Recovery	= 103.35%	
64) Toluene-d8 (Surr)	7.98	98	625173	18.2975 PPB	-0.01
Spiked Amount 16.700			Recovery	= 109.58%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	175575	17.5577 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.15%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	254087	16.7599 PPB	S	98
3) Chloromethane (SPCC)	1.65	50	279766	19.5721 PPB		98
4) Vinyl chloride (CCC)	1.74	62	206621	21.0405 PPB		99
5) Bromomethane	2.06	94	128328	27.8649 PPB		100
7) Chloroethane	2.19	64	169830	20.1291 PPB		97
8) Trichlorofluoromethane	2.34	101	273714	16.7874 PPB		92
11) 1,1-Dichloroethene (CCC)	2.85	96	196625	22.1730 PPB	#	83
12) Carbon disulfide	2.86	76	669835	25.0302 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	212260	21.5097 PPB		97
15) Iodomethane	2.98	142	222878	26.5899 PPB		94
17) Acrolein	3.20	56	59878	168.4083 PPB		99
19) Methylene chloride	3.45	84	195912	22.0374 PPB	#	65
20) Acetone	3.51	43	19437	26.7206 PPB		91
21) trans-1,2-Dichloroethene	3.61	96	209384	20.5707 PPB		87
22) Methyl acetate	3.64	74	35453	48.7013 PPB	#	100
24) Methyl tert-butyl ether (M	3.73	73	338520	22.3176 PPB	#	65
25) tert-Butyl alcohol	3.85	59	116456	554.3255 PPB	#	66
29) 1,1-Dichloroethane (SPCC)	4.24	63	470283	24.7226 PPB		98
30) Acrylonitrile	4.29	53	168275	129.2243 PPB	#	98
31) Vinyl acetate	4.52	43	242881	29.6899 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	207264	20.5429 PPB		87
33) 2,2-Dichloropropane	4.91	77	353334	25.2880 PPB	#	100
37) Chloroform (CCC)	5.09	83	363055	22.4656 PPB	#	84
38) Carbon tetrachloride	5.22	117	260796	23.3185 PPB		99
43) 1,1,1-Trichloroethane	5.30	97	329321	23.5441 PPB		96
44) 1,1-Dichloropropene	5.44	75	345782	23.3928 PPB		88
45) 2-Butanone (MEK)	5.43	43	32491	25.4698 PPB		96
46) Benzene	5.70	78	996095	22.3907 PPB		98
51) 1,2-Dichloroethane	5.93	62	213531	22.9786 PPB		99
53) Methylcyclohexane	6.33	83	1026051	53.4324 PPB		89
54) Trichloroethene	6.35	130	211327	20.4896 PPB		95
55) Dibromomethane	6.83	93	62736	19.4180 PPB		94
56) n-Butanol	6.79	56	52482	1219.0283 ug/L		86
57) 1,2-Dichloropropane (CCC)	6.94	63	223272	23.8309 PPB		87

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615702.D Vial: 2
Acq On : 15 Jun 2007 10:40 am Operator: DY
Sample : LCS;LCS,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:32 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
58)	Bromodichloromethane	7.03	83	221849	22.4002 PPB		98
62)	cis-1,3-Dichloropropene	7.78	75	288532	23.9039 PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	65983	31.7117 PPB		93
66)	Toluene (CCC)	8.03	91	931922	22.7415 PPB		98
69)	Tetrachloroethene	8.40	164	145023	17.7034 PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	60410	22.8562 PPB	#	86
71)	trans-1,3-Dichloropropene	8.45	75	205562	24.7130 PPB		92
72)	1,1,2-Trichloroethane	8.59	97	97168	20.6868 PPB		94
75)	Dibromochloromethane	8.74	129	95027	21.6131 PPB		99
76)	1,3-Dichloropropane	8.82	76	210521	22.1121 PPB		90
77)	1,2-Dibromoethane (EDB)	8.93	107	81393	20.6590 PPB		99
78)	2-Hexanone	9.14	43	31975	21.8308 PPB		84
79)	Chlorobenzene (SPCC)	9.36	112	497548	21.1296 PPB		94
81)	Ethylbenzene (CCC)	9.38	106	299623	21.9013 PPB		75
82)	1,1,1,2-Tetrachloroethane	9.41	131	143201	21.7548 PPB	#	8
83)	m&p-Xylene	9.49	106	750680	45.4455 PPB		95
84)	o-Xylene	9.81	106	331100	22.3082 PPB		94
85)	Bromoform (SPCC)	9.86	173	34534	19.6151 PPB		99
86)	Styrene	9.84	104	480214	23.2298 PPB		96
87)	Isopropylbenzene	10.03	105	863861	22.5664 PPB		97
88)	Bromobenzene	10.29	156	139520	20.1616 PPB	#	50
89)	n-Propylbenzene	10.31	120	220053	21.5627 PPB	#	82
90)	1,1,2,2-Tetrachloroethane	10.36	83	79855	20.5394 PPB		97
93)	2-Chlorotoluene	10.41	126	173309	22.2107 PPB	#	84
95)	1,2,3-Trichloropropane	10.45	110	25919	21.4399 PPB	#	75
96)	trans-1,4-Dichloro-2-buten	10.47	89	4703	18.7143 PPB	#	27
98)	4-Chlorotoluene	10.52	126	170902	21.9341 PPB	#	81
99)	1,3,5-Trimethylbenzene	10.43	105	647785	23.5070 PPB		96
101)	tert-Butylbenzene	10.63	91	379661	24.1591 PPB		92
103)	1,2,4-Trimethylbenzene	10.68	105	616940	23.5695 PPB		96
104)	sec-Butylbenzene	10.75	105	809825	22.6601 PPB		98
105)	p-Isopropyltoluene	10.84	119	653177	23.2364 PPB		97
106)	1,3-Dichlorobenzene	10.89	146	268541	21.0045 PPB		99
107)	1,4-Dichlorobenzene	10.94	146	262081	20.5082 PPB	#	99
109)	n-Butylbenzene	11.10	134	145015	22.2579 PPB	#	83
110)	1,2-Dichlorobenzene	11.21	146	205518	20.8247 PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5448	16.7815 PPB	#	1
113)	Hexachlorobutadiene	12.06	225	63391	20.6702 PPB		100
114)	1,2,4-Trichlorobenzene	12.09	180	91784	20.7809 PPB		99

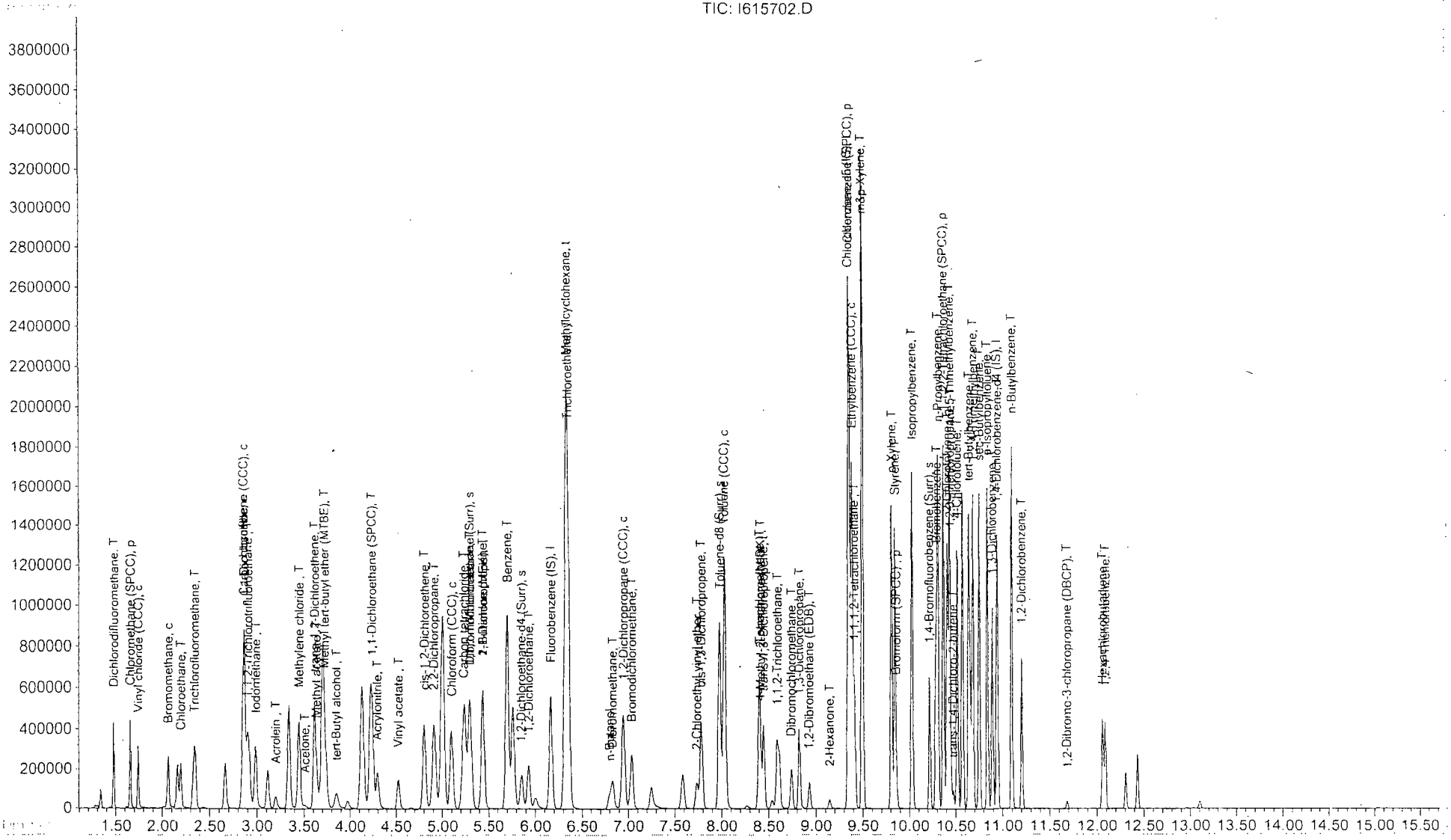
(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061507.B\I615702.D Vial: 2
Acq On : 15 Jun 2007 10:40 am Operator: DY
Sample : LCS;LCS,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:32 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration

TIC: I615702.D



333

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615703.D
Acq On : 15 Jun 2007 11:08 am
Sample : LCS;LCS,I061507
Misc : 1,1, 07MSV0462,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:33 19107

Vial: 3
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes TLA 06/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	591541	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	108731	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	118784	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	138914	17.1685 PPB	-0.04
Spiked Amount 16.700			Recovery	= 102.81%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	81251	18.1579 PPB	-0.04
Spiked Amount 16.700			Recovery	= 108.74%	
64) Toluene-d8 (Surr)	7.98	98	642438	18.5347 PPB	-0.01
Spiked Amount 16.700			Recovery	= 110.96%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	186317	17.8428 PPB	-0.02
Spiked Amount 16.700			Recovery	= 106.83%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	248424	16.1526 PPB	S	99
3) Chloromethane (SPCC)	1.65	50	275159	18.9753 PPB		98
4) Vinyl chloride (CCC)	1.73	62	183369	18.4064 PPB		99
5) Bromomethane	2.06	94	115435	24.7079 PPB		99
7) Chloroethane	2.19	64	164374	19.2046 PPB		97
8) Trichlorofluoromethane	2.34	101	267935	16.1986 PPB		92
11) 1,1-Dichloroethene (CCC)	2.85	96	195366	21.7168 PPB		84
12) Carbon disulfide	2.86	76	671138	24.7213 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	208853	20.8626 PPB		97
15) Iodomethane	2.99	142	212701	25.0139 PPB		95
17) Acrolein	3.20	56	63152	175.0835 PPB		98
19) Methylene chloride	3.45	84	199187	22.0862 PPB	#	65
20) Acetone	3.50	43	22515	30.5106 PPB		93
21) trans-1,2-Dichloroethene	3.61	96	204107	19.7663 PPB		86
22) Methyl acetate	3.64	74	38645	52.3290 PPB	#	100
24) Methyl tert-butyl ether (M	3.73	73	378980	24.6287 PPB	#	78
25) tert-Butyl alcohol	3.85	59	145088	666.6427 PPB	#	77
29) 1,1-Dichloroethane (SPCC)	4.24	63	469830	24.3465 PPB		99
30) Acrylonitrile	4.29	53	179936	136.2086 PPB	#	97
31) Vinyl acetate	4.52	43	262945	31.6841 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	208171	20.3386 PPB		88
33) 2,2-Dichloropropane	4.91	77	346542	24.4482 PPB	#	99
37) Chloroform (CCC)	5.10	83	366129	22.3327 PPB	#	85
38) Carbon tetrachloride	5.22	117	257585	22.7030 PPB		99
43) 1,1,1-Trichloroethane	5.30	97	325556	22.9430 PPB		95
44) 1,1-Dichloropropene	5.44	75	342105	22.8140 PPB		88
45) 2-Butanone (MEK)	5.43	43	36702	28.3605 PPB		89
46) Benzene	5.70	78	999492	22.1467 PPB		97
51) 1,2-Dichloroethane	5.93	62	223179	23.6743 PPB		98
53) Methylcyclohexane	6.33	83	1003560	51.5159 PPB		90
54) Trichloroethene	6.36	130	210207	20.0903 PPB		95
55) Dibromomethane	6.82	93	66247	20.2123 PPB		95
56) n-Butanol	6.79	56	70651	1532.9469 ug/L		89
57) 1,2-Dichloropropane (CCC)	6.94	63	230731	24.2758 PPB		87

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615703.D Vial: 3
Acq On : 15 Jun 2007 11:08 am Operator: DY
Sample : LCS;LCS,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:33 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
58)	Bromodichloromethane	7.04	83	231631	23.0543	PPB		98
62)	cis-1,3-Dichloropropene	7.78	75	305022	24.9097	PPB		91
63)	2-Chloroethyl vinyl ether	7.74	63	75590	35.4039	PPB		94
66)	Toluene (CCC)	8.03	91	937205	21.9018	PPB		98
69)	Tetrachloroethene	8.40	164	144884	16.9373	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	71352	25.4568	PPB	#	93
71)	trans-1,3-Dichloropropene	8.45	75	221269	25.4747	PPB		90
72)	1,1,2-Trichloroethane	8.59	97	107172	21.8503	PPB		94
75)	Dibromochloromethane	8.74	129	103933	22.6375	PPB		99
76)	1,3-Dichloropropane	8.82	76	228680	23.0022	PPB		90
77)	1,2-Dibromoethane (EDB)	8.93	107	90601	22.0222	PPB		100
78)	2-Hexanone	9.14	43	39650	24.9282	PPB		85
79)	Chlorobenzene (SPCC)	9.35	112	508800	20.6923	PPB		94
81)	Ethylbenzene (CCC)	9.38	106	302523	21.1767	PPB		75
82)	1,1,1,2-Tetrachloroethane	9.41	131	151590	22.0539	PPB	#	10
83)	m&p-Xylene	9.49	106	760521	44.0913	PPB		95
84)	o-Xylene	9.80	106	342387	22.0917	PPB		94
85)	Bromoform (SPCC)	9.86	173	38870	21.1429	PPB		100
86)	Styrene	9.85	104	506839	23.4794	PPB		96
87)	Isopropylbenzene	10.03	105	868224	21.7198	PPB		97
88)	Bromobenzene	10.28	156	150126	20.7755	PPB	#	53
89)	n-Propylbenzene	10.31	120	223263	20.9507	PPB	#	79
90)	1,1,2,2-Tetrachloroethane	10.36	83	91092	22.4373	PPB		98
93)	2-Chlorotoluene	10.41	126	178403	21.0201	PPB	#	85
95)	1,2,3-Trichloropropane	10.44	110	29046	22.0893	PPB		96
96)	trans-1,4-Dichloro-2-buten	10.47	89	5614	20.2091	PPB	#	1
98)	4-Chlorotoluene	10.51	126	178243	21.0319	PPB	#	84
99)	1,3,5-Trimethylbenzene	10.43	105	666363	22.2316	PPB		96
101)	tert-Butylbenzene	10.64	91	381078	22.2942	PPB		91
103)	1,2,4-Trimethylbenzene	10.68	105	638694	22.4333	PPB		96
104)	sec-Butylbenzene	10.75	105	823978	21.1972	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	661566	21.6373	PPB		97
106)	1,3-Dichlorobenzene	10.89	146	283417	20.3808	PPB	#	63
107)	1,4-Dichlorobenzene	10.95	146	279052	20.0757	PPB	#	16
109)	n-Butylbenzene	11.10	134	149245	21.0602	PPB	#	82
110)	1,2-Dichlorobenzene	11.20	146	222403	20.7186	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	6728	18.4236	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	67633	20.2753	PPB		100
114)	1,2,4-Trichlorobenzene	12.09	180	106372	22.1421	PPB		100

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

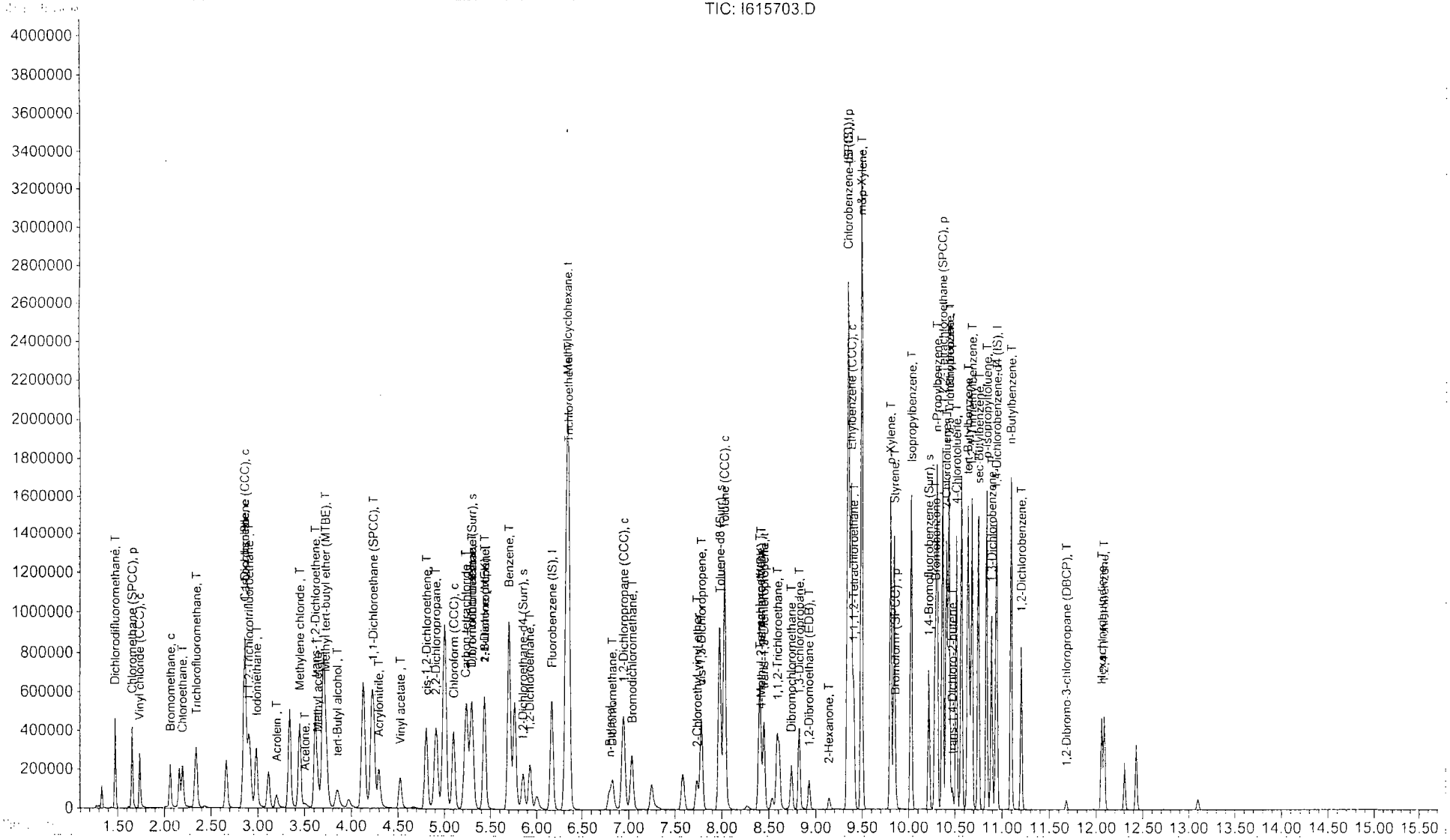
Data File : H:\MSI.I\I061507.B\I615703.D
Acq On : 15 Jun 2007 11:08 am
Sample : LCS;LCS,I061507
Misc : 1,1, 07MSV0462,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:33 19107

Vial: 3
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration

TIC: I615703.D



336

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615706.D Vial: 6
Acq On : 15 Jun 2007 3:40 pm Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:35 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes TLA 6/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	620584	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	112636	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	120484	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	146889	17.3045 PPB	-0.04
Spiked Amount 16.700			Recovery	= 103.59%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	84754	18.0543 PPB	-0.04
Spiked Amount 16.700			Recovery	= 108.08%	
64) Toluene-d8 (Surr)	7.98	98	677397	18.6286 PPB	-0.02
Spiked Amount 16.700			Recovery	= 111.56%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	194649	17.9945 PPB	-0.02
Spiked Amount 16.700			Recovery	= 107.72%	

Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.47	85	251517	15.5884	PPB	S	99
3) Chloromethane (SPCC)	1.65	50	254682	16.7412	PPB		99
4) Vinyl chloride (CCC)	1.74	62	188181	18.0054	PPB		99
5) Bromomethane	2.06	94	110577	22.5604	PPB		99
7) Chloroethane	2.19	64	160777	17.9053	PPB		97
8) Trichlorofluoromethane	2.34	101	270850	15.6085	PPB		92
11) 1,1-Dichloroethene (CCC)	2.85	96	199795	21.1698	PPB		87
12) Carbon disulfide	2.87	76	693236	24.3402	PPB		97
13) 1,1,2-Trichlorotrifluoroet	2.90	101	223568	21.2873	PPB		97
15) Iodomethane	2.98	142	216597	24.2800	PPB		96
17) Acrolein	3.20	56	61690	163.0261	PPB		100
19) Methylene chloride	3.44	84	200577	21.1995	PPB	#	72
20) Acetone	3.51	43	20665	26.6931	PPB		92
21) trans-1,2-Dichloroethene	3.61	96	213230	19.6834	PPB		89
22) Methyl acetate	3.64	74	38228	49.3418	PPB	#	100
24) Methyl tert-butyl ether (M	3.73	73	363219	22.4998	PPB	#	69
25) tert-Butyl alcohol	3.85	59	126364	563.9513	PPB	#	76
29) 1,1-Dichloroethane (SPCC)	4.24	63	463175	22.8784	PPB		99
30) Acrylonitrile	4.30	53	177353	127.9703	PPB	#	95
31) Vinyl acetate	4.52	43	255445	29.3399	PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	212482	19.7882	PPB		90
33) 2,2-Dichloropropane	4.91	77	348201	23.4156	PPB	#	100
37) Chloroform (CCC)	5.10	83	365869	21.2724	PPB	#	87
38) Carbon tetrachloride	5.23	117	258391	21.7082	PPB		99
43) 1,1,1-Trichloroethane	5.30	97	327749	22.0166	PPB		96
44) 1,1-Dichloropropene	5.43	75	350909	22.3060	PPB		91
45) 2-Butanone (MEK)	5.43	43	34610	25.4923	PPB		94
46) Benzene	5.70	78	1006974	21.2683	PPB		98
51) 1,2-Dichloroethane	5.93	62	216380	21.8789	PPB		99
53) Methylcyclohexane	6.33	83	1077882	52.7416	PPB		91
54) Trichloroethene	6.35	130	218009	19.8609	PPB		96
55) Dibromomethane	6.83	93	66221	19.2589	PPB		96
56) n-Butanol	6.80	56	57429	1246.8511	ug/L		89
57) 1,2-Dichloropropane (CCC)	6.94	63	228816	22.9476	PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615706.D Vial: 6
Acq On : 15 Jun 2007 3:40 pm Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:35 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

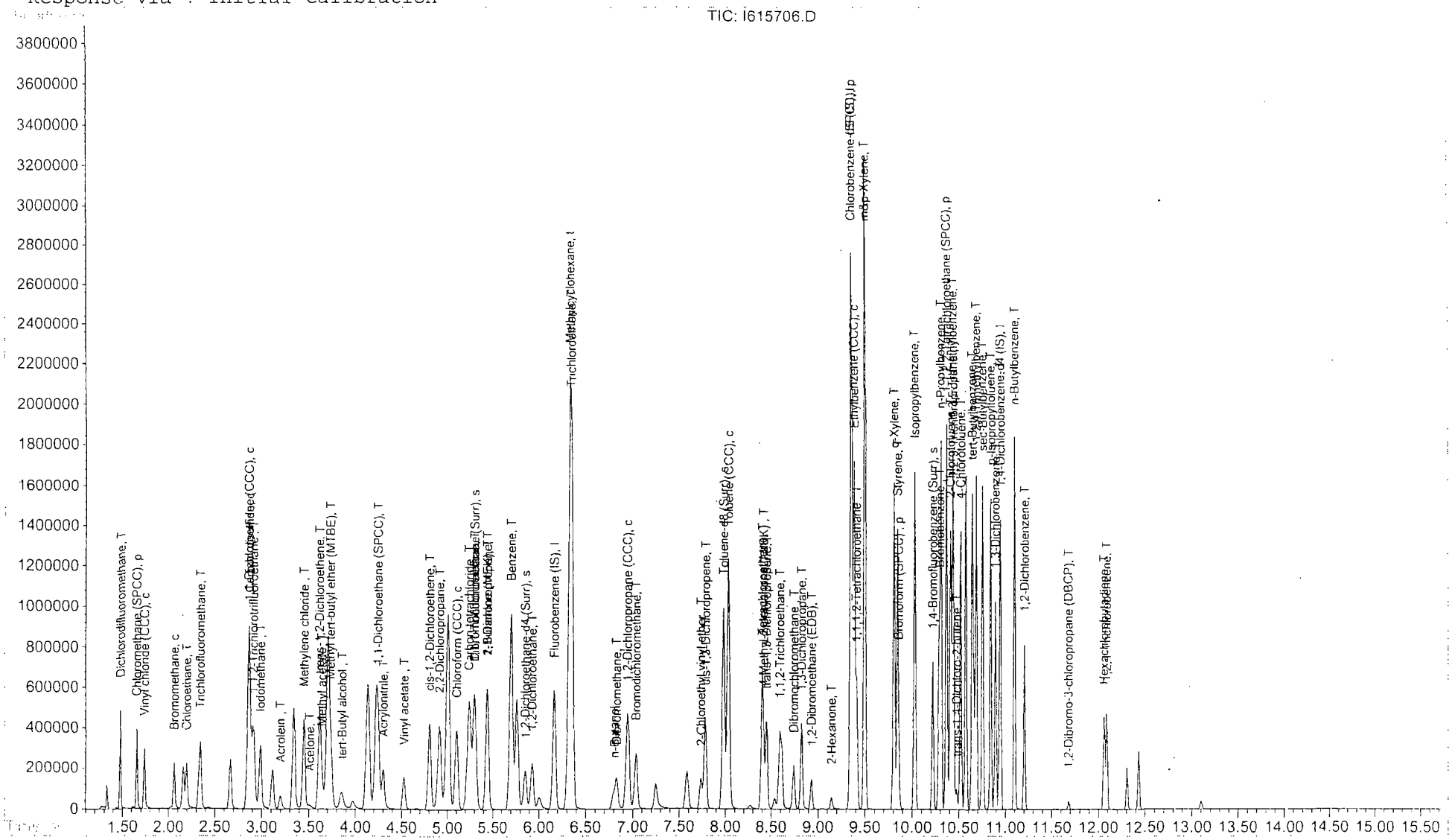
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
58)	Bromodichloromethane	7.03	83	226975	21.5337 PPB		98
62)	cis-1,3-Dichloropropene	7.78	75	300955	23.4273 PPB		93
63)	2-Chloroethyl vinyl ether	7.73	63	72074	32.4641 PPB		95
66)	Toluene (CCC)	8.03	91	943498	21.2844 PPB		98
69)	Tetrachloroethene	8.40	164	153171	17.2853 PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	65849	23.0085 PPB	#	93
71)	trans-1,3-Dichloropropene	8.45	75	215813	23.9851 PPB		93
72)	1,1,2-Trichloroethane	8.59	97	105106	20.6861 PPB		95
75)	Dibromochloromethane	8.74	129	100400	21.1098 PPB		99
76)	1,3-Dichloropropane	8.82	76	223929	21.7434 PPB		91
77)	1,2-Dibromoethane (EDB)	8.93	107	89305	20.9546 PPB		99
78)	2-Hexanone	9.14	43	36439	22.7146 PPB	#	78
79)	Chlorobenzene (SPCC)	9.36	112	509815	20.0148 PPB		95
81)	Ethylbenzene (CCC)	9.38	106	304291	20.5620 PPB		79
82)	1,1,1,2-Tetrachloroethane	9.41	131	148033	20.7898 PPB	#	3
83)	m&p-Xylene	9.50	106	762041	42.6477 PPB		96
84)	o-Xylene	9.81	106	341746	21.2858 PPB		95
85)	Bromoform (SPCC)	9.86	173	37698	19.7945 PPB		99
86)	Styrene	9.84	104	503141	22.5000 PPB		97
87)	Isopropylbenzene	10.02	105	872824	21.0779 PPB		97
88)	Bromobenzene	10.29	156	148371	19.8208 PPB	#	53
89)	n-Propylbenzene	10.30	120	228435	20.6928 PPB	#	82
90)	1,1,2,2-Tetrachloroethane	10.36	83	86008	20.4506 PPB		99
93)	2-Chlorotoluene	10.41	126	180033	20.9129 PPB	#	87
95)	1,2,3-Trichloropropane	10.44	110	27451	20.5818 PPB		97
96)	trans-1,4-Dichloro-2-buten	10.47	89	5309	19.0719 PPB	#	1
98)	4-Chlorotoluene	10.52	126	180112	20.9525 PPB	#	86
99)	1,3,5-Trimethylbenzene	10.43	105	666405	21.9193 PPB		97
101)	tert-Butylbenzene	10.64	91	380013	21.9182 PPB		92
103)	1,2,4-Trimethylbenzene	10.68	105	631546	21.8692 PPB		97
104)	sec-Butylbenzene	10.75	105	831359	21.0853 PPB	#	82
105)	p-Isopropyltoluene	10.84	119	670563	21.6221 PPB		98
106)	1,3-Dichlorobenzene	10.89	146	283289	20.0841 PPB	#	76
107)	1,4-Dichlorobenzene	10.94	146	279697	19.8382 PPB	#	99
109)	n-Butylbenzene	11.10	134	153826	21.4004 PPB	#	87
110)	1,2-Dichlorobenzene	11.20	146	217463	19.9726 PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5997	16.7541 PPB	#	1
113)	Hexachlorobutadiene	12.06	225	69584	20.5659 PPB		100
114)	1,2,4-Trichlorobenzene	12.09	180	100847	20.6958 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061507.B\I615706.D Vial: 6
Acq On : 15 Jun 2007 3:40 pm Operator: DY
Sample : CCV;CCV,I061507 Inst : MSI
Misc : 1,1, 07MSV0462,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:35 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



339

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615709.D Vial: 9
Acq On : 15 Jun 2007 5:32 pm Operator: DY
Sample : BLANK;BLANK,I061507 Inst : MSI
Misc : 1,1, 07MSV0437IS 07MSV0438SUR Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:00 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes RA 6/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	591331	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	101702	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	93753	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	133940	16.5596 PPB	-0.04
Spiked Amount 16.700			Recovery = 99.16%		
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	82436	18.4292 PPB	-0.04
Spiked Amount 16.700			Recovery = 110.36%		
64) Toluene-d8 (Surr)	7.97	98	604310	17.4409 PPB	-0.02
Spiked Amount 16.700			Recovery = 104.43%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	163046	16.6934 PPB	-0.02
Spiked Amount 16.700			Recovery = 99.94%		

Target Compounds						Qvalue
6) Ethylene oxide	2.18	44	2303	4.4085 PPB	#	50
49) Methacrylonitrile	5.85	67	82436	49.4146 PPB	#	1
67) Epichlorohydrin	7.97	57	563	2.2293 PPB	#	1
80) 1-Chlorohexane	9.34	55	3728	0.3982 PPB	#	23

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

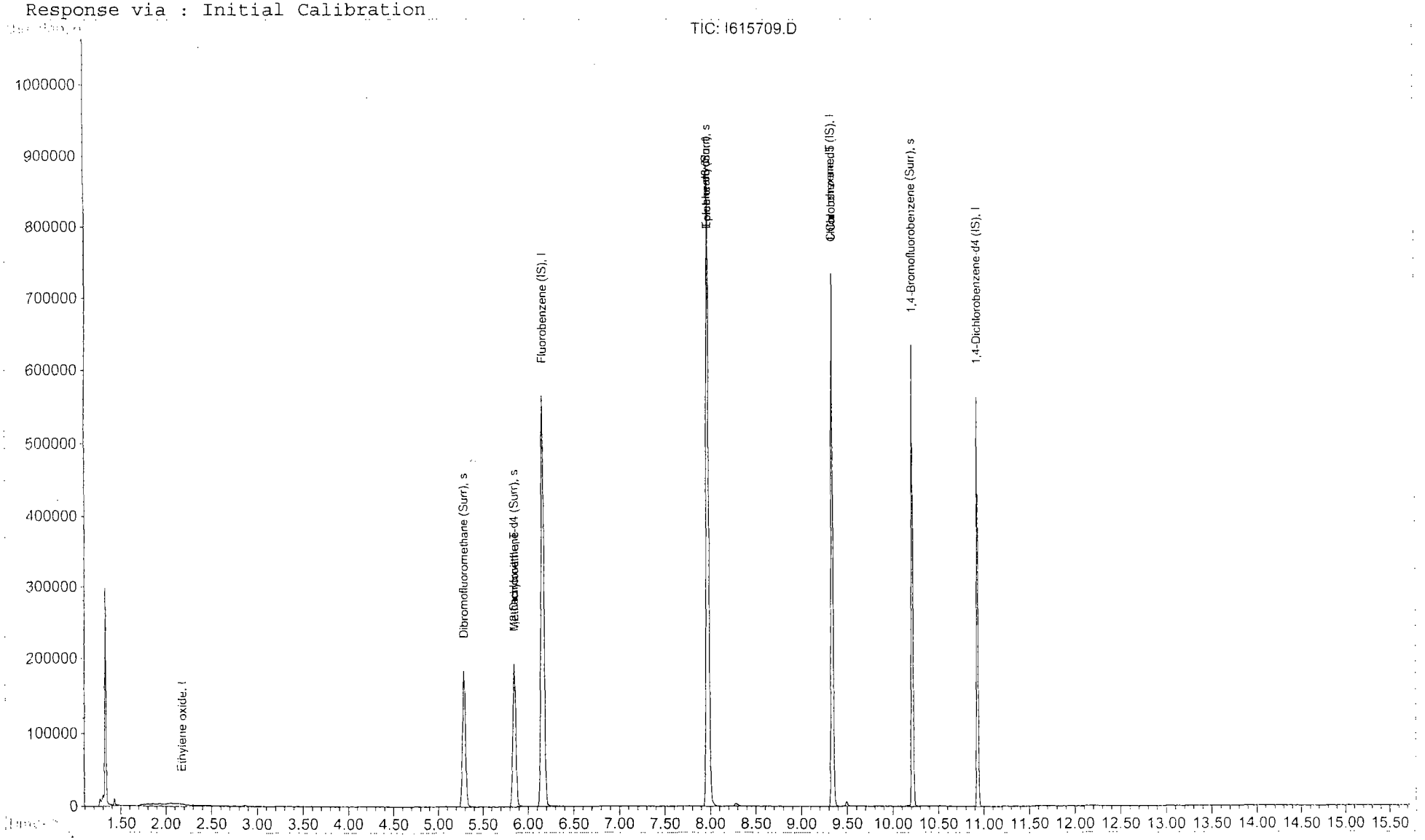
Quantitation Report

Data File : H:\MSI.I\I061507.B\I615709.D
Acq On : 15 Jun 2007 5:32 pm
Sample : BLANK;BLANK,I061507
Misc : 1,1, 07MSV0437IS 07MSV0438SUR
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:00 19107

Vial: 9
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061507.B\I615711.D
Acq On : 15 Jun 2007 6:22 pm
Sample : J0A5A1A2;I7F050254-03,74895
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:05 19107

Vial: 11
Operator: DY
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes TLA 6/20/07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	594199	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	108783	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	116993	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	137145	16.8740 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.02%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	89628	19.9404 PPB	-0.04
Spiked Amount 16.700			Recovery	= 119.40%	
64) Toluene-d8 (Surr)	7.98	98	622917	17.8911 PPB	-0.01
Spiked Amount 16.700			Recovery	= 107.13%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	199709	19.1162 PPB	-0.02
Spiked Amount 16.700			Recovery	= 114.49%	

Target Compounds						Qvalue
6) Ethylene oxide	2.01	44	3544	6.7513 PPB		71
12) Carbon disulfide	2.86	76	6745	0.2473 PPB	#	1
20) Acetone	3.51	43	4808	6.4863 PPB		80
41) Tetrahydrofuran	5.28	42	427	0.2773 PPB	#	1
45) 2-Butanone (MEK)	5.45	43	1314	1.0108 PPB	#	16
49) Methacrylonitrile	5.85	67	89628	53.4664 PPB	#	1
67) Epichlorohydrin	7.98	57	701	2.5950 PPB	#	1
68) 2-Nitropropane	8.42	43	282	1.6365 PPB	#	100
80) 1-Chlorohexane	9.34	55	4304	0.4298 PPB	#	23
115) Naphthalene	12.30	128	127	3.3548 PPB	#	70

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

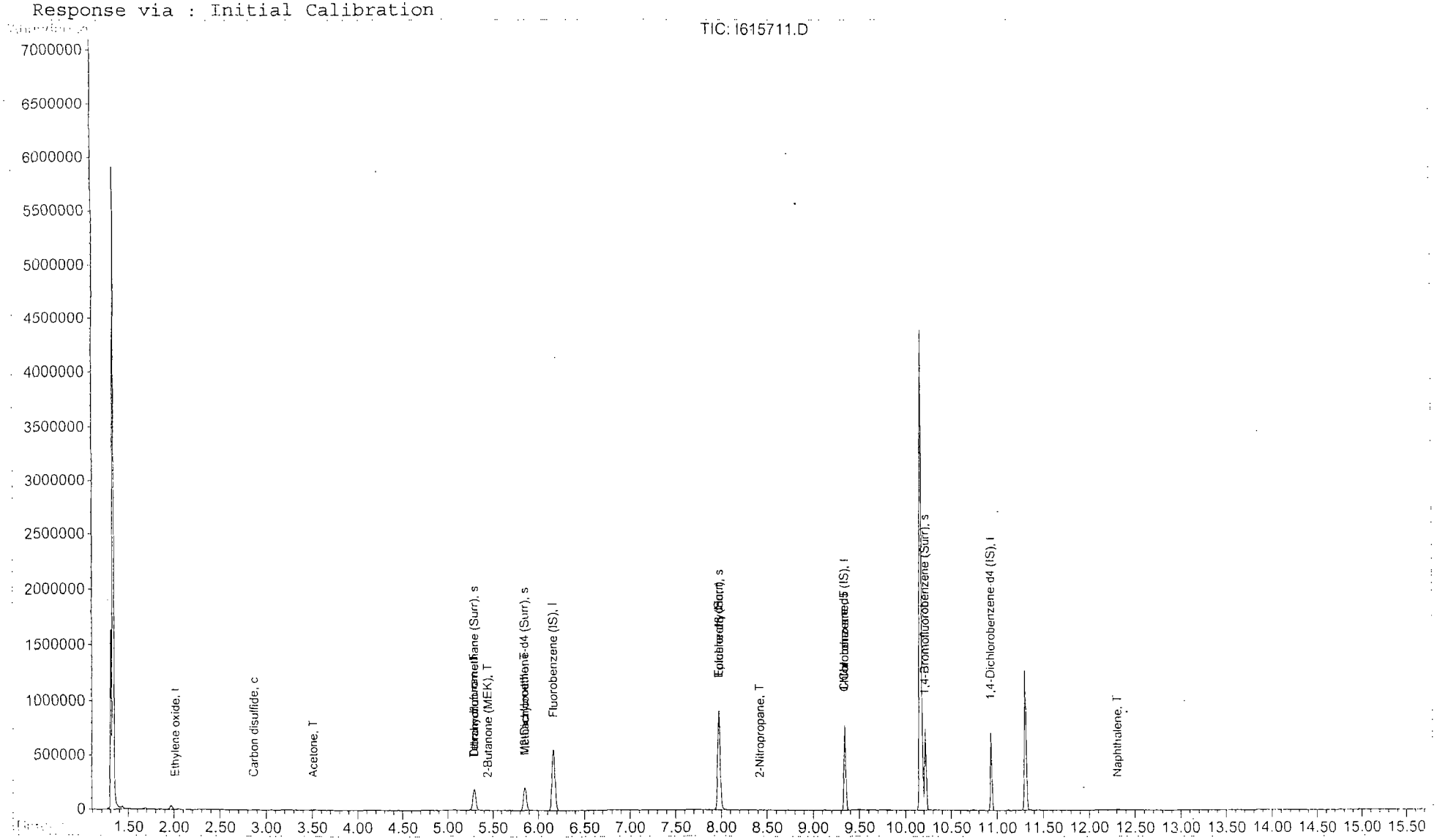
Quantitation Report

Data File : H:\MSI.I\I061507.B\I615711.D
Acq On : 15 Jun 2007 6:22 pm
Sample : J0A5A1A2;I7F050254-03,74895
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 19 10:05 19107

Vial: 11
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



343

GC/MS SEMIVOLATILES

CLP-Like Forms I - IV

Forms V, VI, VII and VIII can be found in the QC & Sample Data by Batch

Form VI can also be found in the Calibration Section

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001 PARENT
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	9.5	U
208-96-8	Acenaphthylene	9.5	U
98-86-2	Acetophenone	9.5	U
62-53-3	Aniline	9.5	U
120-12-7	Anthracene	9.5	U
92-87-5	Benzidine	48	U
56-55-3	Benzo(a)anthracene	9.5	U
205-99-2	Benzo(b)fluoranthene	9.5	U
207-08-9	Benzo(k)fluoranthene	9.5	U
65-85-0	Benzoic acid	48	U
191-24-2	Benzo(ghi)perylene	9.5	U
50-32-8	Benzo(a)pyrene	9.5	U
100-51-6	Benzyl alcohol	9.5	U
92-52-4	Biphenyl	9.5	U
111-91-1	bis(2-Chloroethoxy)methane	9.5	U
111-44-4	bis(2-Chloroethyl) ether	9.5	U
108-60-1	bis(2-Chloroisopropyl) ether	9.5	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**0.63**	**J**
101-55-3	4-Bromophenyl phenyl ether	9.5	U
85-68-7	Butyl benzyl phthalate	9.5	U
106-47-8	4-Chloroaniline	9.5	U
59-50-7	4-Chloro-3-methylphenol	9.5	U
91-58-7	2-Chloronaphthalene	9.5	U
95-57-8	2-Chlorophenol	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	9.5	U
218-01-9	Chrysene	9.5	U
53-70-3	Dibenz(a,h)anthracene	9.5	U
132-64-9	Dibenzofuran	9.5	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	9.5	U
91-94-1	3,3'-Dichlorobenzidine	48	U
120-83-2	2,4-Dichlorophenol	9.5	U
84-66-2	Diethyl phthalate	9.5	U
105-67-9	2,4-Dimethylphenol	9.5	U
131-11-3	Dimethyl phthalate	9.5	U
117-84-0	Di-n-octyl phthalate	9.5	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	9.5	U
606-20-2	2,6-Dinitrotoluene	9.5	U
206-44-0	Fluoranthene	9.5	U
86-73-7	Fluorene	9.5	U
118-74-1	Hexachlorobenzene	9.5	U
77-47-4	Hexachlorocyclopentadiene	48	U
67-72-1	Hexachloroethane	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.5	U
78-59-1	Isophorone	9.5	U
91-57-6	2-Methylnaphthalene	9.5	U
95-48-7	2-Methylphenol	9.5	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	9.5	U
88-75-5	2-Nitrophenol	9.5	U
100-02-7	4-Nitrophenol	48	U
62-75-9	N-Nitrosodimethylamine	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	9.5	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	9.5	U
85-01-8	Phenanthrene	9.5	U
108-95-2	Phenol	9.5	U
129-00-0	Pyrene	9.5	U
110-86-1	Pyridine	9.5	U
95-95-4	2,4,5-Trichlorophenol	9.5	U
88-06-2	2,4,6-Trichlorophenol	9.5	U
86-74-8	Carbazole	9.5	U
122-66-7	1,2-Diphenylhydrazine (as Az	9.5	U
105-60-2	Caprolactam	9.5	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	82	(52 - 114)
2-Fluorobiphenyl	81	(58 - 116)
Terphenyl-d14	95	(64 - 126)
2-Fluorophenol	76	(44 - 114)
Phenol-d5	84	(45 - 116)
2,4,6-Tribromophenol	101	(51 - 130)

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:I7F050254 003
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A5A1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	9.5	U
208-96-8	Acenaphthylene	9.5	U
98-86-2	Acetophenone	9.5	U
62-53-3	Aniline	9.5	U
120-12-7	Anthracene	9.5	U
92-87-5	Benzidine	48	U
56-55-3	Benzo(a)anthracene	9.5	U
205-99-2	Benzo(b)fluoranthene	9.5	U
207-08-9	Benzo(k)fluoranthene	9.5	U
65-85-0	Benzoic acid	48	U
191-24-2	Benzo(ghi)perylene	9.5	U
50-32-8	Benzo(a)pyrene	9.5	U
100-51-6	Benzyl alcohol	9.5	U
92-52-4	Biphenyl	9.5	U
111-91-1	bis(2-Chloroethoxy)methane	9.5	U
111-44-4	bis(2-Chloroethyl) ether	9.5	U
108-60-1	bis(2-Chloroisopropyl) ether	9.5	U
117-81-7	bis(2-Ethylhexyl) phthalate	9.5	U
101-55-3	4-Bromophenyl phenyl ether	9.5	U
85-68-7	Butyl benzyl phthalate	9.5	U
106-47-8	4-Chloroaniline	9.5	U
59-50-7	4-Chloro-3-methylphenol	9.5	U
91-58-7	2-Chloronaphthalene	9.5	U
95-57-8	2-Chlorophenol	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	9.5	U
218-01-9	Chrysene	9.5	U
53-70-3	Dibenz(a,h)anthracene	9.5	U
132-64-9	Dibenzofuran	9.5	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 003
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A5A1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	9.5	U
91-94-1	3,3'-Dichlorobenzidine	48	U
120-83-2	2,4-Dichlorophenol	9.5	U
84-66-2	Diethyl phthalate	9.5	U
105-67-9	2,4-Dimethylphenol	9.5	U
131-11-3	Dimethyl phthalate	9.5	U
117-84-0	Di-n-octyl phthalate	9.5	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	9.5	U
606-20-2	2,6-Dinitrotoluene	9.5	U
206-44-0	Fluoranthene	9.5	U
86-73-7	Fluorene	9.5	U
118-74-1	Hexachlorobenzene	9.5	U
77-47-4	Hexachlorocyclopentadiene	48	U
67-72-1	Hexachloroethane	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.5	U
78-59-1	Isophorone	9.5	U
91-57-6	2-Methylnaphthalene	9.5	U
95-48-7	2-Methylphenol	9.5	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	9.5	U
88-75-5	2-Nitrophenol	9.5	U
100-02-7	4-Nitrophenol	48	U
62-75-9	N-Nitrosodimethylamine	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	9.5	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:I7F050254 003
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A5A1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW21

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	9.5	U
85-01-8	Phenanthrene	9.5	U
108-95-2	Phenol	9.5	U
129-00-0	Pyrene	9.5	U
110-86-1	Pyridine	9.5	U
95-95-4	2,4,5-Trichlorophenol	9.5	U
88-06-2	2,4,6-Trichlorophenol	9.5	U
86-74-8	Carbazole	9.5	U
122-66-7	1,2-Diphenylhydrazine (as Az	9.5	U
105-60-2	Caprolactam	9.5	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	89	(52 - 114)
2-Fluorobiphenyl	86	(58 - 116)
Terphenyl-d14	101	(64 - 126)
2-Fluorophenol	85	(44 - 114)
Phenol-d5	92	(45 - 116)
2,4,6-Tribromophenol	108	(51 - 130)

FORM I

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
98-86-2	Acetophenone	10	U
62-53-3	Aniline	10	U
120-12-7	Anthracene	10	U
92-87-5	Benzidine	50	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
65-85-0	Benzoic acid	50	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
100-51-6	Benzyl alcohol	10	U
92-52-4	Biphenyl	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl) ether	10	U
108-60-1	bis(2-Chloroisopropyl) ether	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted: 06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	50	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethyl phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
77-47-4	Hexachlorocyclopentadiene	50	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
62-75-9	N-Nitrosodimethylamine	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
110-86-1	Pyridine	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
86-74-8	Carbazole	10	U
122-66-7	1,2-Diphenylhydrazine (as Az	10	U
105-60-2	Caprolactam	10	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	83	(52 - 114)
2-Fluorobiphenyl	83	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	77	(44 - 114)
Phenol-d5	83	(45 - 116)
2,4,6-Tribromophenol	95	(51 - 130)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted: 06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	79.6	
208-96-8	Acenaphthylene	77.3	
98-86-2	Acetophenone	78.1	
62-53-3	Aniline	65.9	
120-12-7	Anthracene	78.3	
92-87-5	Benzidine	50	U
56-55-3	Benzo(a)anthracene	75.1	
205-99-2	Benzo(b)fluoranthene	75.3	
207-08-9	Benzo(k)fluoranthene	70.8	
65-85-0	Benzoic acid	70.4	
191-24-2	Benzo(ghi)perylene	84.6	
50-32-8	Benzo(a)pyrene	74.3	
100-51-6	Benzyl alcohol	79.7	
92-52-4	Biphenyl	91.6	
111-91-1	bis(2-Chloroethoxy)methane	79.6	
111-44-4	bis(2-Chloroethyl) ether	74.5	
108-60-1	bis(2-Chloroisopropyl) ether	75.3	
117-81-7	bis(2-Ethylhexyl) phthalate	74.3	
101-55-3	4-Bromophenyl phenyl ether	81.9	
85-68-7	Butyl benzyl phthalate	73.9	
106-47-8	4-Chloroaniline	71.7	
59-50-7	4-Chloro-3-methylphenol	79.3	
91-58-7	2-Chloronaphthalene	88.6	
95-57-8	2-Chlorophenol	76.4	
7005-72-3	4-Chlorophenyl phenyl ether	80.6	
218-01-9	Chrysene	71.0	
53-70-3	Dibenz(a,h)anthracene	66.2	
132-64-9	Dibenzofuran	79.8	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	80.5	
91-94-1	3,3'-Dichlorobenzidine	65.1	
120-83-2	2,4-Dichlorophenol	79.9	
84-66-2	Diethyl phthalate	82.3	
105-67-9	2,4-Dimethylphenol	50.4	
131-11-3	Dimethyl phthalate	80.1	
117-84-0	Di-n-octyl phthalate	70.6	
534-52-1	4,6-Dinitro-2-methylphenol	83.7	
51-28-5	2,4-Dinitrophenol	77.8	
121-14-2	2,4-Dinitrotoluene	81.1	
606-20-2	2,6-Dinitrotoluene	78.6	
206-44-0	Fluoranthene	80.9	
86-73-7	Fluorene	79.5	
118-74-1	Hexachlorobenzene	82.5	
77-47-4	Hexachlorocyclopentadiene	31.3	
67-72-1	Hexachloroethane	74.8	
193-39-5	Indeno(1,2,3-cd)pyrene	79.2	
78-59-1	Isophorone	77.4	
91-57-6	2-Methylnaphthalene	79.5	
95-48-7	2-Methylphenol	74.0	
88-74-4	2-Nitroaniline	78.0	
99-09-2	3-Nitroaniline	79.0	
100-01-6	4-Nitroaniline	80.6	
98-95-3	Nitrobenzene	76.6	
88-75-5	2-Nitrophenol	80.0	
100-02-7	4-Nitrophenol	86.3	
62-75-9	N-Nitrosodimethylamine	81.5	
621-64-7	N-Nitrosodi-n-propylamine	79.7	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted: 06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	64.7	
85-01-8	Phenanthrene	81.8	
108-95-2	Phenol	76.0	
129-00-0	Pyrene	76.9	
110-86-1	Pyridine	72.0	
95-95-4	2,4,5-Trichlorophenol	84.2	
88-06-2	2,4,6-Trichlorophenol	86.9	
86-74-8	Carbazole	82.9	
122-66-7	1,2-Diphenylhydrazine (as Az	84.5	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	81.0	
208-96-8	Acenaphthylene	78.4	
98-86-2	Acetophenone	81.9	
62-53-3	Aniline	0.0	a
120-12-7	Anthracene	77.8	
56-55-3	Benzo(a)anthracene	79.8	
205-99-2	Benzo(b)fluoranthene	76.2	
207-08-9	Benzo(k)fluoranthene	74.3	
65-85-0	Benzoic acid	142	a
191-24-2	Benzo(ghi)perylene	84.8	
50-32-8	Benzo(a)pyrene	74.4	
100-51-6	Benzyl alcohol	82.8	
92-52-4	Biphenyl	99.9	
111-91-1	bis(2-Chloroethoxy)methane	81.8	
111-44-4	bis(2-Chloroethyl) ether	76.0	
108-60-1	bis(2-Chloroisopropyl) ether	78.3	
117-81-7	bis(2-Ethylhexyl) phthalate	79.5	
101-55-3	4-Bromophenyl phenyl ether	84.6	
85-68-7	Butyl benzyl phthalate	77.3	
106-47-8	4-Chloroaniline	9.5	a U
59-50-7	4-Chloro-3-methylphenol	82.7	
91-58-7	2-Chloronaphthalene	91.1	
95-57-8	2-Chlorophenol	79.4	
7005-72-3	4-Chlorophenyl phenyl ether	82.4	
218-01-9	Chrysene	73.8	
53-70-3	Dibenz(a,h)anthracene	67.3	
132-64-9	Dibenzofuran	82.7	
84-74-2	Di-n-butyl phthalate	81.8	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
91-94-1	3,3'-Dichlorobenzidine	48	a U
120-83-2	2,4-Dichlorophenol	82.5	
84-66-2	Diethyl phthalate	85.1	
105-67-9	2,4-Dimethylphenol	34.7	
131-11-3	Dimethyl phthalate	81.6	
117-84-0	Di-n-octyl phthalate	76.2	
534-52-1	4,6-Dinitro-2-methylphenol	91.7	
51-28-5	2,4-Dinitrophenol	96.3	
121-14-2	2,4-Dinitrotoluene	84.0	
606-20-2	2,6-Dinitrotoluene	80.5	
206-44-0	Fluoranthene	82.8	
86-73-7	Fluorene	81.6	
118-74-1	Hexachlorobenzene	84.5	
77-47-4	Hexachlorocyclopentadiene	37.1	
67-72-1	Hexachloroethane	76.9	
193-39-5	Indeno(1,2,3-cd)pyrene	79.8	
78-59-1	Isophorone	80.1	
91-57-6	2-Methylnaphthalene	81.7	
95-48-7	2-Methylphenol	74.4	
88-74-4	2-Nitroaniline	50.1	a
99-09-2	3-Nitroaniline	48	a U
100-01-6	4-Nitroaniline	8.80	a
98-95-3	Nitrobenzene	144	a
88-75-5	2-Nitrophenol	85.2	
100-02-7	4-Nitrophenol	102	
62-75-9	N-Nitrosodimethylamine	84.4	
621-64-7	N-Nitrosodi-n-propylamine	82.9	
86-30-6	N-Nitrosodiphenylamine	63.4	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
85-01-8	Phenanthrene	85.9	
108-95-2	Phenol	130	a
129-00-0	Pyrene	77.9	
110-86-1	Pyridine	22.1	
95-95-4	2,4,5-Trichlorophenol	86.9	
88-06-2	2,4,6-Trichlorophenol	91.1	
86-74-8	Carbazole	82.6	
122-66-7	1,2-Diphenylhydrazine (as Az	86.9	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	91	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
Terphenyl-d14	97	(64 - 126)
2-Fluorophenol	82	(44 - 114)
Phenol-d5	90	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	78.5	
208-96-8	Acenaphthylene	75.9	
98-86-2	Acetophenone	80.6	
62-53-3	Aniline	0.0	a
120-12-7	Anthracene	72.9	
56-55-3	Benzo(a)anthracene	77.2	
205-99-2	Benzo(b)fluoranthene	73.3	
207-08-9	Benzo(k)fluoranthene	73.7	
65-85-0	Benzoic acid	153	a
191-24-2	Benzo(ghi)perylene	81.9	
50-32-8	Benzo(a)pyrene	71.4	
100-51-6	Benzyl alcohol	83.6	
92-52-4	Biphenyl	95.7	
111-91-1	bis(2-Chloroethoxy)methane	80.9	
111-44-4	bis(2-Chloroethyl) ether	75.3	
108-60-1	bis(2-Chloroisopropyl) ether	78.8	
117-81-7	bis(2-Ethylhexyl) phthalate	77.1	
101-55-3	4-Bromophenyl phenyl ether	81.5	
85-68-7	Butyl benzyl phthalate	74.0	
106-47-8	4-Chloroaniline	9.5	a p U
59-50-7	4-Chloro-3-methylphenol	78.8	
91-58-7	2-Chloronaphthalene	87.6	
95-57-8	2-Chlorophenol	78.5	
7005-72-3	4-Chlorophenyl phenyl ether	81.0	
218-01-9	Chrysene	71.5	
53-70-3	Dibenz(a,h)anthracene	65.2	
132-64-9	Dibenzofuran	80.0	
84-74-2	Di-n-butyl phthalate	77.9	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: 17F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
91-94-1	3,3'-Dichlorobenzidine	0.0	a p
120-83-2	2,4-Dichlorophenol	80.5	
84-66-2	Diethyl phthalate	77.3	
105-67-9	2,4-Dimethylphenol	18.9	p
131-11-3	Dimethyl phthalate	80.0	
117-84-0	Di-n-octyl phthalate	74.0	
534-52-1	4,6-Dinitro-2-methylphenol	91.7	
51-28-5	2,4-Dinitrophenol	92.4	
121-14-2	2,4-Dinitrotoluene	81.6	
606-20-2	2,6-Dinitrotoluene	78.4	
206-44-0	Fluoranthene	79.7	
86-73-7	Fluorene	79.8	
118-74-1	Hexachlorobenzene	81.7	
77-47-4	Hexachlorocyclopentadiene	40.6	
67-72-1	Hexachloroethane	77.0	
193-39-5	Indeno(1,2,3-cd)pyrene	77.4	
78-59-1	Isophorone	78.4	
91-57-6	2-Methylnaphthalene	79.8	
95-48-7	2-Methylphenol	68.3	
88-74-4	2-Nitroaniline	36.0	a p
99-09-2	3-Nitroaniline	48	a p U
100-01-6	4-Nitroaniline	3.76	a p
98-95-3	Nitrobenzene	144	a
88-75-5	2-Nitrophenol	84.8	
100-02-7	4-Nitrophenol	96.8	
62-75-9	N-Nitrosodimethylamine	85.6	
621-64-7	N-Nitrosodi-n-propylamine	83.5	
86-30-6	N-Nitrosodiphenylamine	56.2	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:

QC Batch: 7157509

Client Sample Id: OMW27B

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
85-01-8	Phenanthrene	83.9	
108-95-2	Phenol	131	a
129-00-0	Pyrene	75.1	
110-86-1	Pyridine	9.37	a p
95-95-4	2,4,5-Trichlorophenol	84.3	
88-06-2	2,4,6-Trichlorophenol	88.6	
86-74-8	Carbazole	77.7	
122-66-7	1,2-Diphenylhydrazine (as Az	83.5	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	88	(52 - 114)
2-Fluorobiphenyl	88	(58 - 116)
Terphenyl-d14	92	(64 - 126)
2-Fluorophenol	79	(44 - 114)
Phenol-d5	88	(45 - 116)
2,4,6-Tribromophenol	98	(51 - 130)

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F050254

Extraction: XXI49QL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	OMW27B	82	81	95	76	84	101	00
02	OMW21	89	86	101	85	92	108	00
03	METHOD BLK. J0FF11AA	83	83	96	77	83	95	00
04	LCS J0FF11AC	84	85	93	76	83	96	00
05	OMW27B D	88	88	92	79	88	98	00
06	OMW27B S	91	91	97	82	90	104	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(52-114)
SRG02	= 2-Fluorobiphenyl	(58-116)
SRG03	= Terphenyl-d14	(64-126)
SRG04	= 2-Fluorophenol	(44-114)
SRG05	= Phenol-d5	(45-116)
SRG06	= 2,4,6-Tribromophenol	(51-130)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Acenaphthene	95.2	ND	81.0	85	67- 105	
Acenaphthylene	95.2	ND	78.4	82	65- 106	
Aniline	95.2	ND	0.0	0*	26- 111	a
Anthracene	95.2	ND	77.8	82	60- 108	
Benzo(a)anthracene	95.2	ND	79.8	84	63- 109	
Benzo(b)fluoranthene	95.2	ND	76.2	80	59- 108	
Benzo(k)fluoranthene	95.2	ND	74.3	78	57- 125	
Benzoic acid	95.2	ND	142	134*	10- 119	a
Benzo(ghi)perylene	95.2	ND	84.8	89	55- 124	
Benzo(a)pyrene	95.2	ND	74.4	78	64- 104	
Benzyl alcohol	95.2	ND	82.8	87	57- 122	
2-Chlorophenol	95.2	ND	79.4	83	61- 106	
4-Chloro-3-methylphenol	95.2	ND	82.7	87	64- 105	
bis(2-Chloroethoxy)methan	95.2	ND	81.8	86	56- 112	
bis(2-Chloroethyl) ether	95.2	ND	76.0	80	55- 110	
bis(2-Chloroisopropyl) et	95.2	ND	78.3	82	54- 112	
bis(2-Ethylhexyl) phthala	95.2	0.63	79.5	83	10- 174	
4-Bromophenyl phenyl ethe	95.2	ND	84.6	89	60- 116	
Butyl benzyl phthalate	95.2	ND	77.3	81	59- 109	
Carbazole	95.2	ND	82.6	87	57- 114	
4-Chloroaniline	95.2	ND		1*	35- 110	a
2-Chloronaphthalene	95.2	ND	91.1	96	62- 112	
4-Chlorophenyl phenyl eth	95.2	ND	82.4	87	57- 110	
Chrysene	95.2	ND	73.8	77	65- 111	
Dibenz(a,h)anthracene	95.2	ND	67.3	71	60- 118	
Dibenzofuran	95.2	ND	82.7	87	65- 108	
Di-n-butyl phthalate	95.2	ND	81.8	86	60- 110	
3,3'-Dichlorobenzidine	95.2	ND		0*	22- 121	a

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
2,4-Dichlorophenol	95.2	ND	82.5	87	64 - 106	
Diethyl phthalate	95.2	ND	85.1	89	61 - 108	
2,4-Dimethylphenol	95.2	ND	34.7	36	17 - 97	
Dimethyl phthalate	95.2	ND	81.6	86	65 - 105	
4,6-Dinitro-2-methylpheno	95.2	ND	91.7	96	65 - 114	
2,4-Dinitrophenol	95.2	ND	96.3	101	46 - 115	
2,4-Dinitrotoluene	95.2	ND	84.0	88	55 - 113	
2,6-Dinitrotoluene	95.2	ND	80.5	84	61 - 106	
Di-n-octyl phthalate	95.2	ND	76.2	80	59 - 113	
1,2-Diphenylhydrazine (as	95.2	ND	86.9	91	65 - 115	
Fluoranthene	95.2	ND	82.8	87	65 - 112	
Fluorene	95.2	ND	81.6	86	66 - 106	
Hexachlorobenzene	95.2	ND	84.5	89	65 - 108	
Hexachlorocyclopentadiene	95.2	ND	37.1	39	1 - 91	
Hexachloroethane	95.2	ND	76.9	81	56 - 112	
Indeno(1,2,3-cd)pyrene	95.2	ND	79.8	84	60 - 118	
Isophorone	95.2	ND	80.1	84	64 - 112	
2-Methylnaphthalene	95.2	ND	81.7	86	62 - 107	
2-Methylphenol	95.2	ND	74.4	78	57 - 106	
2-Nitroaniline	95.2	ND	50.1	53*	58 - 113	a
3-Nitroaniline	95.2	ND		2*	43 - 124	a
4-Nitroaniline	95.2	ND	8.80	9*	48 - 130	a
Nitrobenzene	95.2	ND	144	151*	61 - 108	a
2-Nitrophenol	95.2	ND	85.2	89	63 - 107	
4-Nitrophenol	95.2	ND	102	107	46 - 122	
N-Nitrosodi-n-propylamine	95.2	ND	82.9	87	53 - 113	
N-Nitrosodimethylamine	95.2	ND	84.4	89	36 - 114	
N-Nitrosodiphenylamine	95.2	ND	63.4	67	46 - 92	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Phenanthrene	95.2	ND	85.9	90	60 - 112	
Phenol	95.2	ND	130	137*	54 - 124	a
Pyrene	95.2	ND	77.9	82	64 - 108	
Pyridine	95.2	ND	22.1	23	18 - 126	
2,4,5-Trichlorophenol	95.2	ND	86.9	91	56 - 109	
2,4,6-Trichlorophenol	95.2	ND	91.1	96	62 - 106	
Acetophenone	95.2	ND	81.9	86	62 - 115	
Biphenyl	95.2	ND	99.9	105	43 - 162	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 9 out of 64 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Acenaphthene	95.2	78.5	82	3.2		30	67 - 105	
Acenaphthylene	95.2	75.9	80	3.2		30	65 - 106	
Aniline	95.2	0.0	0*	0.0		30	26 - 111	a
Anthracene	95.2	72.9	77	6.5		30	60 - 108	
Benzo(a)anthracene	95.2	77.2	81	3.2		30	63 - 109	
Benzo(b)fluoranthene	95.2	73.3	77	3.8		30	59 - 108	
Benzo(k)fluoranthene	95.2	73.7	77	0.76		30	57 - 125	
Benzoic acid	95.2	153	145*	7.3		30	10 - 119	a
Benzo(ghi)perylene	95.2	81.9	86	3.6		30	55 - 124	
Benzo(a)pyrene	95.2	71.4	75	4.1		30	64 - 104	
Benzyl alcohol	95.2	83.6	88	0.88		30	57 - 122	
2-Chlorophenol	95.2	78.5	82	1.1		30	61 - 106	
4-Chloro-3-methylphenol	95.2	78.8	83	4.7		30	64 - 105	
bis(2-Chloroethoxy)methan	95.2	80.9	85	1.1		30	56 - 112	
bis(2-Chloroethyl) ether	95.2	75.3	79	1.0		30	55 - 110	
bis(2-Chloroisopropyl) et	95.2	78.8	83	0.73		30	54 - 112	
bis(2-Ethylhexyl) phthala	95.2	77.1	80	3.0		30	10 - 174	
4-Bromophenyl phenyl ethe	95.2	81.5	86	3.7		30	60 - 116	
Butyl benzyl phthalate	95.2	74.0	78	4.3		30	59 - 109	
Carbazole	95.2	77.7	82	6.2		30	57 - 114	
4-Chloroaniline	95.2		1*	50	*	30	35 - 110	a p
2-Chloronaphthalene	95.2	87.6	92	4.0		30	62 - 112	
4-Chlorophenyl phenyl eth	95.2	81.0	85	1.7		30	57 - 110	
Chrysene	95.2	71.5	75	3.2		30	65 - 111	
Dibenz(a,h)anthracene	95.2	65.2	68	3.2		30	60 - 118	
Dibenzofuran	95.2	80.0	84	3.4		30	65 - 108	
Di-n-butyl phthalate	95.2	77.9	82	4.8		30	60 - 110	
3,3'-Dichlorobenzidine	95.2	0.0	0*	200	*	30	22 - 121	a p

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
2,4-Dichlorophenol	95.2	80.5	85	2.5		30	64 - 106	
Diethyl phthalate	95.2	77.3	81	9.6		30	61 - 108	
2,4-Dimethylphenol	95.2	18.9	20	59	*	30	17 - 97	p
Dimethyl phthalate	95.2	80.0	84	2.0		30	65 - 105	
4,6-Dinitro-2-methylpheno	95.2	91.7	96	0.050		30	65 - 114	
2,4-Dinitrophenol	95.2	92.4	97	4.1		30	46 - 115	
2,4-Dinitrotoluene	95.2	81.6	86	3.0		30	55 - 113	
2,6-Dinitrotoluene	95.2	78.4	82	2.6		30	61 - 106	
Di-n-octyl phthalate	95.2	74.0	78	2.9		30	59 - 113	
1,2-Diphenylhydrazine (as	95.2	83.5	88	4.0		30	65 - 115	
Fluoranthene	95.2	79.7	84	3.8		30	65 - 112	
Fluorene	95.2	79.8	84	2.2		30	66 - 106	
Hexachlorobenzene	95.2	81.7	86	3.3		30	65 - 108	
Hexachlorocyclopentadiene	95.2	40.6	43	9.0		30	1 - 91	
Hexachloroethane	95.2	77.0	81	0.14		30	56 - 112	
Indeno(1,2,3-cd)pyrene	95.2	77.4	81	3.2		30	60 - 118	
Isophorone	95.2	78.4	82	2.2		30	64 - 112	
2-Methylnaphthalene	95.2	79.8	84	2.3		30	62 - 107	
2-Methylphenol	95.2	68.3	72	8.6		30	57 - 106	
2-Nitroaniline	95.2	36.0	38*	33	*	30	58 - 113	a p
3-Nitroaniline	95.2		0*	119	*	30	43 - 124	a p
4-Nitroaniline	95.2	3.76	3*	80	*	30	48 - 130	a p
Nitrobenzene	95.2	144	151*	0.17		30	61 - 108	a
2-Nitrophenol	95.2	84.8	89	0.41		30	63 - 107	
4-Nitrophenol	95.2	96.8	102	5.2		30	46 - 122	
N-Nitrosodi-n-propylamine	95.2	83.5	88	0.73		30	53 - 113	
N-Nitrosodimethylamine	95.2	85.6	90	1.4		30	36 - 114	
N-Nitrosodiphenylamine	95.2	56.2	59	12		30	46 - 92	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: OMW27B

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenanthrene	95.2	83.9	88	2.4		30	60 - 112	
Phenol	95.2	131	138*	0.94		30	54 - 124	a
Pyrene	95.2	75.1	79	3.7		30	64 - 108	
Pyridine	95.2	9.37	9*	81	*	30	18 - 126	a p
2,4,5-Trichlorophenol	95.2	84.3	89	3.0		30	56 - 109	
2,4,6-Trichlorophenol	95.2	88.6	93	2.8		30	62 - 106	
Acetophenone	95.2	80.6	84	1.6		30	62 - 115	
Biphenyl	95.2	95.7	100	4.3		30	43 - 162	

NOTES (S):

a Spiked analyte recovery is outside stated control limits

p Relative percent difference (RPD) is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 7 out of 64 outside limits
Spike Recovery: 10 out of 64 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Acenaphthene	100	79.6	80	67- 105	
Acenaphthylene	100	77.3	77	65- 106	
Aniline	100	65.9	66	26- 111	
Anthracene	100	78.3	78	60- 108	
Benzo(a)anthracene	100	75.1	75	63- 109	
Benzo(b)fluoranthene	100	75.3	75	59- 108	
Benzo(k)fluoranthene	100	70.8	71	57- 125	
Benzoic acid	100	70.4	70	10- 119	
Benzo(ghi)perylene	100	84.6	85	55- 124	
Benzo(a)pyrene	100	74.3	74	64- 104	
Benzyl alcohol	100	79.7	80	57- 122	
2-Chlorophenol	100	76.4	76	61- 106	
4-Chloro-3-methylphenol	100	79.3	79	64- 105	
bis(2-Chloroethoxy)methan	100	79.6	80	56- 112	
bis(2-Chloroethyl) ether	100	74.5	74	55- 110	
bis(2-Chloroisopropyl) et	100	75.3	75	54- 112	
bis(2-Ethylhexyl) phthala	100	74.3	74	10- 174	
4-Bromophenyl phenyl ethe	100	81.9	82	60- 116	
Butyl benzyl phthalate	100	73.9	74	59- 109	
Carbazole	100	82.9	83	57- 114	
4-Chloroaniline	100	71.7	72	35- 110	
2-Chloronaphthalene	100	88.6	89	62- 112	
4-Chlorophenyl phenyl eth	100	80.6	81	57- 110	
Chrysene	100	71.0	71	65- 111	
Dibenz(a,h)anthracene	100	66.2	66	60- 118	
Dibenzofuran	100	79.8	80	65- 108	
Di-n-butyl phthalate	100	80.5	80	60- 110	
3,3'-Dichlorobenzidine	100	65.1	65	22- 121	
2,4-Dichlorophenol	100	79.9	80	64- 106	
Diethyl phthalate	100	82.3	82	61- 108	
2,4-Dimethylphenol	100	50.4	50	17- 97	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dimethyl phthalate	100	80.1	80	65 - 105	
4,6-Dinitro-2-methylpheno	100	83.7	84	65 - 114	
2,4-Dinitrophenol	100	77.8	78	46 - 115	
2,4-Dinitrotoluene	100	81.1	81	55 - 113	
2,6-Dinitrotoluene	100	78.6	79	61 - 106	
Di-n-octyl phthalate	100	70.6	71	59 - 113	
1,2-Diphenylhydrazine (as	100	84.5	84	65 - 115	
Fluoranthene	100	80.9	81	65 - 112	
Fluorene	100	79.5	80	66 - 106	
Hexachlorobenzene	100	82.5	82	65 - 108	
Hexachlorocyclopentadiene	100	31.3	31	1 - 91	
Hexachloroethane	100	74.8	75	56 - 112	
Indeno(1,2,3-cd)pyrene	100	79.2	79	60 - 118	
Isophorone	100	77.4	77	64 - 112	
2-Methylnaphthalene	100	79.5	79	62 - 107	
2-Methylphenol	100	74.0	74	57 - 106	
2-Nitroaniline	100	78.0	78	58 - 113	
3-Nitroaniline	100	79.0	79	43 - 124	
4-Nitroaniline	100	80.6	81	48 - 130	
Nitrobenzene	100	76.6	77	61 - 108	
2-Nitrophenol	100	80.0	80	63 - 107	
4-Nitrophenol	100	86.3	86	46 - 122	
N-Nitrosodi-n-propylamine	100	79.7	80	53 - 113	
N-Nitrosodimethylamine	100	81.5	81	36 - 114	
N-Nitrosodiphenylamine	100	64.7	65	46 - 92	
Phenanthrene	100	81.8	82	60 - 112	
Phenol	100	76.0	76	54 - 124	
Pyrene	100	76.9	77	64 - 108	
Pyridine	100	72.0	72	18 - 126	
2,4,5-Trichlorophenol	100	84.2	84	56 - 109	
2,4,6-Trichlorophenol	100	86.9	87	62 - 106	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzidine	100	ND	13	1- 87	
Acetophenone	100	78.1	78	62- 115	
Biphenyl	100	91.6	92	43- 162	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 65 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.
J0FF11AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: N061211.D

Lot Number: I7F050254

Date Analyzed: 06/12/07

Time Analyzed: 12:52

Matrix: WATER

Date Extracted:06/06/07

GC Column: RTX-5MS ID: .25

Extraction Method: 3520C

Instrument ID: N1B

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OMW27B	J0A4E1AC	N061213.D	06/12/07	13:50
02	OMW27B	J0A4E1A3 S	N061214.D	06/12/07	14:20
03	OMW27B	J0A4E1A4 D	N061215.D	06/12/07	14:49
04	OMW21	J0A5A1AC	N061217.D	06/12/07	15:46
05	CHECK SAMPLE	J0FF11AC C	N061212.D	06/12/07	13:21
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 8270C

Associated Samples: 1, 3

Batch Number: 7157509

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

8270C data

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N061202	06/12/07	0804
02	APPIX_075	CCALIB_4	N061203	06/12/07	0856
03	CAP_010	ICALIB_1	N061204	06/12/07	0930
04	CAP_020	ICALIB_2	N061205	06/12/07	0959
05	CAP_050	ICALIB_3	N061206	06/12/07	1028
06	CAP_075	ICALIB_4	N061207	06/12/07	1057
07	CAP_100	ICALIB_5	N061208	06/12/07	1126
08	CAP_120	ICALIB_6	N061209	06/12/07	1154
09	CAP_050	SSV_2	N061210	06/12/07	1223
10	I7F060000-50	J0FF11AAB	N061211	06/12/07	1252
11	I7F060000-50	J0FF11ACC	N061212	06/12/07	1321
12	OMW27B	J0A4E1AC	N061213	06/12/07	1350
13	I7F050254-01	J0A4E1A3S	N061214	06/12/07	1420
14	I7F050254-01	J0A4E1A4D	N061215	06/12/07	1449
15	OUTFALL 003	JX9N71AA	N061216	06/12/07	1518
16	I7F050254-03	J0A5A1AC	N061217	06/12/07	1546
17	MW28A	J0DTG1AC	N061218	06/12/07	1615
18	MW29	J0DTN1AF	N061219	06/12/07	1644
19	I7F110000-41	J0P9R1AAB	N061220	06/12/07	1713
20	I7F110000-41	J0P9R1ACC	N061221	06/12/07	1742
21	I7F110000-41	J0P9R1ADL	N061222	06/12/07	1811
22	OP1 USED OIL	JX3451AC	N061223	06/12/07	1840

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OP1 A USED O	JX35J1AC	N061224	06/12/07	1909
02	OP4 USED OIL	JX35P1AC	N061225	06/12/07	1938
03	C12 USED OIL	~~JX35Q1AC~~	~~N061226~~	~~06/12/07~~	~~2007~~
04	C:12 COD TOP	~~J0QDM1AC~~	~~N061227~~	~~06/12/07~~	~~2036~~
05	I7F060000-50	J0FFW1AAB	N061228	06/12/07	2105
06	I7F060000-50	J0FFW1ACC	N061229	06/12/07	2134
07	I7F060000-50	J0FFW1ADL	N061230	06/12/07	2203
08	OUTFALL 002	JX80K1AD	N061231	06/12/07	2232
09	OUTFALL 003	JX81C1AE	N061232	06/12/07	2300
10	OUTFALL 002	J0CC31AA	N061233	06/12/07	2329
11	OUTFALL 003	J0CDK1AC	N061234	06/12/07	2358
12	OUTFALL 001(	J0CJP1AA	N061235	06/13/07	0027
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
iant Method : ISTD
irget Version : 4.14
itegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ist Edit : 04-Jun-2007 09:20 malloym

alibration File Names:
evel 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053111.D~~ N053103.D
evel 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053112.D~~ N053104.D
evel 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053113.D~~ N053105.D
evel 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053114.D~~ N053106.D
evel 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053115.D~~ N053107.D
evel 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053116.D~~ N053108.D
evel 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053117.D~~ N053109.D

MM 6-4-1

JG 6-5-07

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.33780	1.47458	1.45377	1.39413	1.33474	1.33050					
	1.32022						AVRG		1.37796		4.62893
2 N-Nitrosodimethylamine	0.78256	0.87430	0.81562	0.79640	0.77358	0.76964					
	0.77130						AVRG		0.79763		4.71490
3 2-Picoline	1.52557	1.73446	1.63715	1.59572	1.54301	1.53628					
	1.52827						AVRG		1.58579		4.88843
4 N-Nitrosomethylethylamine	0.69465	0.78902	0.75103	0.73078	0.71352	0.71496					
	0.71744						AVRG		0.73020		4.26926

MM 6-4-7

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.79327	0.87883	0.83773	0.79991	0.75185	0.74399					
	0.73234						AVRG		0.79113		6.76092
7 N-Nitrosodiethylamine	0.65483	0.76018	0.70747	0.71875	0.70572	0.70852					
	0.70135						AVRG		0.70812		4.35854
8 Ethyl methanesulfonate	1.00215	1.12714	1.08825	1.04607	1.02920	1.03749					
	1.03597						AVRG		1.05232		3.96893
9 Pentachloroethane	0.47243	0.54357	0.51068	0.48995	0.48088	0.47637					
	0.47973						AVRG		0.49337		5.16820
10 Aniline	2.07454	2.36384	2.24280	2.19434	2.09233	2.07856					
	2.07818						AVRG		2.16066		5.16722
11 bis(2-Chloroethyl)ether	1.35311	1.52232	1.43886	1.40204	1.38981	1.39973					
	1.39847						AVRG		1.41491		3.78701
13 Phenol	1.90657	2.15037	2.12783	1.97086	1.99919	2.00115					
	2.00007						AVRG		2.02229		4.28504

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
:rget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.44975	1.64680	1.54202	1.50015	1.46765	1.46869					
	1.48189						AVRG		1.50814		4.50803
15 1,3-Dichlorobenzene	1.55738	1.75507	1.63431	1.58219	1.52862	1.51357					
	1.52207						AVRG		1.58474		5.42612
16 1,4-Dichlorobenzene	1.62085	1.81485	1.68885	1.63915	1.59896	1.56833					
	1.56780						AVRG		1.64268		5.29018
18 1,2-Dichlorobenzene	1.49554	1.69517	1.56887	1.51663	1.47528	1.45909					
	1.46362						AVRG		1.52489		5.51292
19 Benzyl Alcohol	0.85532	0.99358	0.96801	0.94216	0.93083	0.93857					
	0.94033						AVRG		0.93840		4.54206
20 bis(2-Chloroisopropyl)ether	1.65754	1.83491	1.68910	1.62551	1.57159	1.55092					
	1.54053						AVRG		1.63859		5.27411
21 2-Methylphenol	1.26797	1.42595	1.35211	1.30821	1.29084	1.29274					
	1.29881						AVRG		1.31952		4.05081

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetophenone	1.83320	2.09633	1.98909	1.93054	1.90457	1.90560					
	1.89415						AVRG		1.93621		4.36134
23 N-Nitroso-di-n-propylamine	0.98388	1.11862	1.06265	1.01997	0.95925	0.93567					
	0.90268						AVRG		0.99753		7.53305
24 N-Nitrosopyrrolidine	0.64954	0.75414	0.73672	0.71215	0.67613	0.67007					
	0.64137						AVRG		0.69144		6.29417
25 3-(and/or 4-)Methylphenol	1.38084	1.55474	1.46904	1.42267	1.37495	1.34599					
	1.31038						AVRG		1.40837		5.84627
27 o-Toluidine	2.08675	2.38629	2.25067	2.17911	2.14027	2.12588					
	2.06490						AVRG		2.17627		5.09970
28 Hexachloroethane	0.56936	0.64915	0.61125	0.59183	0.57515	0.56187					
	0.55281						AVRG		0.58735		5.70013
30 Nitrobenzene	0.38483	0.44212	0.40660	0.39891	0.37886	0.37370					
	0.37254						AVRG		0.39394		6.29084

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.16676	0.19652	0.18635	0.18018	0.17631	0.17559					
	0.17565						AVRG		0.17962		5.27887
32 Isophorone	0.65180	0.76491	0.71398	0.69181	0.66884	0.66367					
	0.65991						AVRG		0.68785		5.83448
33 2-Nitrophenol	0.17530	0.21337	0.21083	0.20643	0.20280	0.20299					
	0.20536						AVRG		0.20244		6.22064
34 2,4-Dimethyphenol	0.36657	0.42559	0.39822	0.38705	0.37568	0.37051					
	0.36761						AVRG		0.38446		5.58242
35 Bis(2-chloroethoxy)methane	0.37222	0.43810	0.40812	0.39729	0.38425	0.38346					
	0.38296						AVRG		0.39520		5.60835
36 2,4-Dichlorophenol	0.27151	0.32102	0.30232	0.29318	0.28714	0.28540					
	0.28591						AVRG		0.29235		5.36000
38 1,2,4-Trichlorobenzene	0.31658	0.36557	0.33484	0.32716	0.31357	0.30832					
	0.31061						AVRG		0.32523		6.19278

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	+++++	9403	46779	64932	116509	158266					
	203003						WLINR	0.31773	0.10144		0.99014
41 Naphthalene	1.05256	1.19109	1.08973	1.06074	1.01307	0.99931					
	0.99382						AVRG		1.05719		6.50030
42 4-Chloroaniline	0.41213	0.48397	0.45811	0.44215	0.42447	0.41956					
	0.40485						AVRG		0.43503		6.47770
43 2,6-Dichlorophenol	0.27734	0.32002	0.30336	0.29172	0.28202	0.27804					
	0.27736						AVRG		0.28998		5.64739
44 Hexachloropropene	0.16460	0.20485	0.20422	0.20549	0.19818	0.19404					
	0.19229						AVRG		0.19481		7.36315
45 Hexachlorobutadiene	0.19049	0.21965	0.19934	0.19375	0.18286	0.17885					
	0.17720						AVRG		0.19173		7.67328
46 N-Nitroso-di-n-butylamine	0.21821	0.26475	0.24823	0.23796	0.23206	0.22778					
	0.22480						AVRG		0.23626		6.70256

STL Austin

INITIAL CALIBRATION DATA

.art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29201	0.35817	0.34095	0.33047	0.31914	0.31317					
	0.30866						AVRG		0.32322		6.79325
48 Safrole	0.25327	0.30261	0.28545	0.27490	0.26878	0.26817					
	0.26581						AVRG		0.27414		5.78324
49 2-Methylnaphthalene	0.66572	0.77609	0.72749	0.70079	0.67527	0.65454					
	0.66090						AVRG		0.69583		6.15237
50 Hexachlorocyclopentadiene	+++++	3724	32284	50698	101184	146833					
	170812						QUAD	0.49367	6.80755	-2.63312	0.99283
51 1,2,4,5-Tetrachlorobenzene	0.54892	0.60823	0.57679	0.57009	0.54990	0.54118					
	0.53980						AVRG		0.56213		4.39690
52 2,4,6-Trichlorophenol	0.30311	0.36195	0.35880	0.35495	0.34682	0.34437					
	0.34429						AVRG		0.34490		5.71999
53 2,4,5-Trichlorphenol	0.32808	0.37547	0.38654	0.37862	0.37257	0.36934					
	0.37371						AVRG		0.36919		5.12846

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.44145	0.50171	0.47046	0.46085	0.44415	0.43937					
	0.43677						AVRG		0.45640		5.15322
56 Isosafrole	0.46263	0.53127	0.49445	0.48160	0.46402	0.46115					
	0.46044						AVRG		0.47937		5.47472
57 2-Nitroaniline	0.32076	0.38115	0.36276	0.35617	0.35089	0.35234					
	0.35267						AVRG		0.35382		5.07807
58 1,4-Naphthoquinone	0.36811	0.46699	0.45872	0.44759	0.42289	0.41616					
	0.40971						AVRG		0.42717		7.95622
59 Dimethylphthalate	1.22645	1.38860	1.29174	1.27590	1.20844	1.21437					
	1.25963						AVRG		1.26645		4.92845
60 2,6-Dinitrotoluene	0.28538	0.33493	0.31991	0.31162	0.29604	0.29567					
	0.29964						AVRG		0.30617		5.55204
61 1,3-Dinitrobenzene	0.18867	0.23324	0.23616	0.23526	0.23548	0.23908					
	0.24049						AVRG		0.22977		7.95933

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	1.84850	2.12224	1.97627	1.90387	1.83099	1.80293					
	1.78627						AVRG		1.89587		6.27338
63 3-Nitroaniline	0.30165	0.35006	0.34501	0.34253	0.33903	0.34207					
	0.34660						AVRG		0.33814		4.87154
65 Acenaphthene	1.11253	1.26289	1.17445	1.14420	1.09627	1.08060					
	1.07327						AVRG		1.13489		5.88599
66 2,4-Dinitrophenol	+++++	8367	47313	61704	110710	148358					
	176908						WLINR	0.35044	0.17828		0.99642
67 Dibenzofuran	1.56767	1.77260	1.63562	1.59125	1.52318	1.50944					
	1.51581						AVRG		1.58794		5.88237
68 4-Nitrophenol	0.11822	0.16054	0.15823	0.15703	0.15387	0.15670					
	0.16032						AVRG		0.15213		9.94257
69 Pentachlorobenzene	0.45204	0.51849	0.48585	0.46974	0.44899	0.44099					
	0.43743						AVRG		0.46479		6.25947

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.34770	0.42550	0.42445	0.41745	0.39769	0.40153					
	0.40872						AVRG		0.40329		6.63491
72 2,3,4,6-tetrachlorophenol	0.21490	0.27843	0.29430	0.29076	0.29095	0.29020					
	0.28882						AVRG		0.27834		10.20756
74 Diethylphthalate	1.16689	1.35679	1.28810	1.26907	1.19241	1.20423					
	1.20883						AVRG		1.24090		5.37106
75 4-Chlorophenyl-phenylether	0.62020	0.71272	0.64232	0.62771	0.59011	0.56828					
	0.55861						AVRG		0.61714		8.49015
76 Fluorene	1.22089	1.39405	1.27139	1.24886	1.18411	1.15253					
	1.14394						AVRG		1.23083		7.00266
77 5-Nitro-o-toluidine	0.33691	0.41183	0.40964	0.39740	0.38243	0.38467					
	0.37741						AVRG		0.38576		6.57014
78 4,6-Dinitro-2-methylphenol	8895	27821	88326	106078	163980	206626					
	238126						WLINR	0.07978	0.12827		0.99779

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.29114	0.35146	0.34332	0.33220	0.31643	0.32454					
	0.32841						AVRG		0.32679		5.98705
80 N-Nitrosodiphenylamine/DPA	1.09102	1.24619	1.19556	1.15596	1.07443	1.06361					
	1.07179						AVRG		1.12837		6.35573
81 Azobenzene	0.69193	0.78506	0.70743	0.68639	0.74574	0.72885					
	0.71728						AVRG		0.72324		4.71668
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19960	0.22651	0.21194	0.20042	0.19733	0.19418					
	0.19333						AVRG		0.20333		5.86539
85 Phenacetin	0.32402	0.39105	0.36390	0.35746	0.33780	0.33838					
	0.33948						AVRG		0.35030		6.38639
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19471	0.22314	0.20771	0.20277	0.19541	0.19198					
	0.19106						AVRG		0.20097		5.70714
88 1,3,5-Trinitrobenzene	0.14960	0.16650	0.17531	0.17773	0.17203	0.17267					
	0.16819						AVRG		0.16886		5.52314
90 Pentachlorophenol	+++++	12581	47362	59489	105098	139870					
	168184						WLINR	0.21515	0.08705		0.99514
91 Pronamide	0.28741	0.34060	0.32028	0.30840	0.28680	0.28179					
	0.27852						AVRG		0.30054		7.74846
92 Pentachloronitrobenzene	0.03618	0.04123	0.03953	0.03854	0.03659	0.03659					
	0.03687						AVRG		0.03793		5.00800
94 Phenanthrene	1.02793	1.16126	1.06126	1.02962	0.95476	0.97329					
	0.96100						AVRG		1.02416		7.08718
95 Anthracene	1.03521	1.19019	1.08296	1.04621	0.96517	0.93129					
	0.91629						AVRG		1.02390		9.38206

%RSD 17.2

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	12037	38743	118892	147133	227884	282391					
	325866						WLINR	0.08031	0.17520		0.99781
97 Carbazole	0.90842	1.11129	1.03878	0.98577	0.93486	0.91711					
	0.91033						AVRG		0.97237		7.99778
98 Di-n-Butylphthalate	1.11233	1.29400	1.18077	1.14181	1.07356	1.04102					
	1.02472						AVRG		1.12403		8.27113
101 Isodrin	0.10929	0.12571	0.11736	0.11415	0.10826	0.10681					
	0.10584						AVRG		0.11249		6.34514
102 Fluoranthene	1.14543	1.31005	1.19343	1.13703	1.05626	1.02831					
	1.01157						AVRG		1.12601		9.34402
103 Benzidine	0.43005	0.53519	0.55158	0.59063	0.54068	0.54108					
	0.48968						AVRG		0.52556		9.78990
104 Pyrene	1.33693	1.49581	1.34185	1.29733	1.22321	1.18973					
	1.17981						AVRG		1.29495		8.56370

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.31962	0.37920	0.35285	0.34480	0.33110	0.32278					
	0.31865						AVRG		0.33843		6.55635
107 Chlorobenzilate	0.34991	0.39735	0.36628	0.36191	0.34383	0.33680					
	0.33965						AVRG		0.35653		5.91646
109 3,3'-Dimethylbenzidine	0.63823	0.80805	0.76338	0.73361	0.66460	0.62210					
	0.58660						AVRG		0.68808		11.84024
110 Butylbenzylphthalate	0.55917	0.63245	0.56970	0.55816	0.53146	0.51986					
	0.52182						AVRG		0.55609		7.01250
111 2-Acetylaminofluorene	0.44617	0.53611	0.51117	0.50780	0.49110	0.48876					
	0.48775						AVRG		0.49555		5.59005
112 3,3'-Dichlorobenzidine	0.43076	0.49664	0.45179	0.43881	0.40001	0.37949					
	0.36559						AVRG		0.42330		10.68744
113 Benzo(a)anthracene	1.25115	1.37989	1.21856	1.17645	1.08568	1.03867					
	1.01887						AVRG		1.15704		11.07162

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.72961	0.83892	0.77944	0.75097	0.70662	0.67333					
	0.65615						AVRG		0 73358		8.59816
116 Chrysene	1.09845	1.25682	1.14343	1.10986	1.02472	0.97461					
	0.95278						AVRG		1.08010		9.77399
117 Di-n-octylphthalate	1.28079	1.49327	1.39995	1.36008	1.31175	1.23612					
	1.24922						AVRG		1.33302		6.88108
118 7,12-Dimethylbenz(a)anthracen	0.51320	0.63707	0.56697	0.55539	0.51463	0.48082					
	0.48064						AVRG		0.53553		10 40642
119 Benzo(b)fluoranthene	1.41538	1.49927	1.36899	1.29310	1.19689	1.17317					
	+++++						AVRG		1.32446		9.60722
120 Benzo(k)fluoranthene	1.40670	1.61595	1.43205	1.39969	1.34588	1.22167					
	1.15113						AVRG		1.36758		11.04973
121 Benzo(a)pyrene	1.21201	1.35070	1.22965	1.19571	1.13512	1.10283					
	1.09995						AVRG		1.18942		7.41171

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
iant Method : ISTD
irget Version : 4.14
itegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ist Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.54003	0.63095	0.59891	0.57417	0.55555	0.54334					
	0.54347						AVRG		0.56949		6.03535
125 Indeno(1,2,3-cd)pyrene	1.33092	1.48263	1.35059	1.29612	1.22828	1.18387					
	1.18631						AVRG		1.29410		8.23812
126 Dibenz(a,h)anthracene	1.08757	1.21084	1.11633	1.05091	0.99603	0.95299					
	0.95356						AVRG		1.05260		8.95073
127 Benzo(g,h,i)perylene	1.06217	1.21687	1.13106	1.09104	1.03927	0.99907					
	1.00031						AVRG		1.07711		7.21936
176 Diallate (total)	0.13033	0.15350	0.14501	0.14317	0.13671	0.13831					
	0.13905						AVRG		0.14087		5.18479
6 2-Fluorophenol	1.32259	1.54475	1.45585	1.41006	1.36784	1.36074					
	1.36926						AVRG		1.40444		5.32426

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
iant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
12 Phenol-d5	1.66387	1.87043	1.75468	1.69449	1.65456	1.65335					
	1.65525						AVRG		1.70666		4.74250
82 2,4,6-Tribromophenol	0.07590	0.09072	0.08931	0.08791	0.08581	0.08525					
	0.08459						AVRG		0.08564		5.65083
29 Nitrobenzene-d5	0.36272	0.41934	0.39110	0.38165	0.36708	0.36396					
	0.36564						AVRG		0.37878		5.48762
54 2-Fluorobiphenyl	1.30679	1.48130	1.39167	1.34861	1.29937	1.27495					
	1.26465						AVRG		1.33819		5.73563
105 Terphenyl-d14	0.84946	0.94743	0.84900	0.83993	0.79095	0.76775					
	0.76063						AVRG		0.82931		7.75822

STL Austin

INITIAL CALIBRATION DATA

.art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

:urve	Formula	Units
ıveraged	Amt = Rsp/m1	Response
ıt Linear	Amt = b + Rsp/m1	Response
ɔuad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Calibration File Names:
Level 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Level 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Level 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Level 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Level 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Level 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Level 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

curve represent for additional compound
m 6-6-7

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
26 N-Nitrosomorpholine	0.83470	0.84247	0.76297	0.79606	0.77803	0.77473					
	0.65734						AVRG		0.77804		7.86930
37 a,a-Dimethylphenethylamine	0.65203	0.73622	0.69820	0.70838	0.68701	0.66463					
	0.52870						AVRG		0.66788		10.08615
71 1-Naphthylamine	1.03785	1.07541	1.09492	1.10645	1.11253	1.10894					
	1.07448						AVRG		1.08722		2.45665
73 2-Naphthylamine	1.02269	1.05193	1.08851	1.12051	1.13146	1.12236					
	1.04537						AVRG		1.08326		4.01554

JG 6-9-07

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 4-Aminobiphenyl	0.71121	0.71190	0.78176	0.79903	0.78024	0.75888					
	0.72132						AVRG		0.75205		4.90235
99 4-Nitroquinoline-1-oxide	776	2596	12113	25119	39451	50174					
	66584						LINR	0.40942	0.03634		0.99019 <-
100 Methapyrilene	52215	94982	182726	254722	320200	355467					
	+++++						QUAD	0.02937	2.17877	3.21209	0.99952
129 2-Ethoxyethanol	0.73688	0.68831	0.65857	0.66293	0.66002	0.66115					
	0.64951						AVRG		0.67391		4.48442
130 N,N-Dimethylformamide	0.88370	0.86548	0.89907	0.92423	0.91540	0.92424					
	0.91118						AVRG		0.90333		2.44123
131 Propyl cellosolve	1.26909	1.31414	1.25972	1.28535	1.26333	1.24723					
	1.22417						AVRG		1.26615		2.24531
132 Acrylamide	0.31420	0.34450	0.34435	0.36632	0.36385	0.36411					
	0.35722						AVRG		0.35065		5.27171

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
136 o,o,o-Triethylphosphorothioat	0.17393	0.18041	0.16566	0.17208	0.17185	0.17011					
	0.16873						AVRG		0.17182		2.69477
142 p-Phenylenediamine	28477	83105	218644	331932	438728	497778					
	568140						QUAD	0.21080	1.67688	1.39074	0.99556
143 1-Methylnaphthalene	0.62777	0.63707	0.60016	0.61380	0.60857	0.60143					
	0.58988						AVRG		0.61124		2.69622
146 Biphenyl	1.41658	1.38940	1.34895	1.33233	1.31397	1.30969					
	1.25633						AVRG		1.33818		3.97968
149 Diphenyl ether	0.77816	0.77174	0.74847	0.74241	0.73703	0.73260					
	0.70494						AVRG		0.74505		3.31277
150 1,4-Dinitrobenzene	0.15864	0.16855	0.17574	0.18159	0.18688	0.18952					
	0.18628						AVRG		0.17817		6.32602
151 Dimethyl terephthalate	0.22081	0.22175	0.21256	0.21278	0.21075	0.21158					
	0.20503						AVRG		0.21361		2.74184

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	14458	30816	79788	136704	189919	232153					
	301322						WLINR	0.11130	0.25607		0.99773
154 Thionazin	0.24192	0.24883	0.24230	0.24459	0.23588	0.23515					
	0.22428						AVRG		0.23899		3.36616
155 Sulfotepp	0.10402	0.11107	0.10321	0.10414	0.10221	0.09662					
	0.09409						AVRG		0.10219		5.41185
156 Phorate	0.38051	0.39725	0.36862	0.37240	0.36076	0.35569					
	0.34958						AVRG		0.36926		4.37245
157 Dimethoate	0.23278	0.24217	0.21058	0.19428	0.17766	0.16638					
	+++++						AVRG		0.20398		14.76019
158 Disulfoton	0.31298	0.33152	0.30852	0.31066	0.30437	0.29534					
	0.28647						AVRG		0.30712		4.63693
159 Methyl parathion	0.18966	0.20658	0.18459	0.17374	0.16247	0.15370					
	0.14333						AVRG		0.17344		12.68068

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12210	0.13537	0.13101	0.13316	0.12751	0.12515					
	0.12040						AVRG		0.12781		4.40969
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.01072	+++++	+++++					
	+++++						AVRG		0.01072		0.000e+000
164 4,4-Methylenebis(2-chloroa	0.09828	0.10400	0.10022	0.09955	0.10030	0.09705					
	0.09614						AVRG		0.09936		2.60197
167 Dibenz(a,j)acridine	0.83799	0.87208	0.84986	0.87043	0.84054	0.84061					
	0.82296						AVRG		0.84778		2.11214
173 1-Methyl-2-pyrrolidone	0.83215	0.83900	0.78429	0.83412	0.83057	0.83246					
	0.82047						AVRG		0.82472		2.26509

STL Austin

INITIAL CALIBRATION DATA

:tart Cal Date : 31-MAY-2007 12:44
:nd Cal Date : 31-MAY-2007 19:49
)uant Method : ISTD
:arget Version : 4.14
:ntegrator : HP RTE
1ethod file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
.ast Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
M 177 Aramite (total)	0.13456	0.14434	0.14097	0.14012	0.13810	0.13565					
	0.13071						AVRG		0.13778		3.29461

STL Austin

INITIAL CALIBRATION DATA

:tart Cal Date : 31-MAY-2007 12:44
:nd Cal Date : 31-MAY-2007 19:49
)uant Method : ISTD
'arget Version : 4.14
:ntegrator : HP RTE
lethod file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
ast Edit : 06-Jun-2007 09:03 MSN1.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date : 14-Jun-2007 15:23 Page 2

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 12-JUN-2007 11:54
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Last Edit : 13-Jun-2007 10:37 malloym
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Level 2: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Level 3: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Level 4: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Level 5: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Level 6: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Level 7: \\aussvr02\ins_data\MSN1.i\N053107.B\N053117.D

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7							
174 Caprolactam	0.11016 +++++	0.10862	0.10406	0.11866	0.11196	0.10658	0.11001	4.596

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 4
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:04
Lab File ID: N061202.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 2-Fluorophenol	1.40444	1.36427	1.36427	0.010	2.86042	40.00000	Averaged
$ 12 Phenol-d5	1.70666	1.67278	1.67278	0.010	1.98504	40.00000	Averaged
$ 82 2,4,6-Tribromophenol	0.08564	0.08604	0.08604	0.010	-0.45884	40.00000	Averaged
$ 29 Nitrobenzene-d5	0.37878	0.36737	0.36737	0.010	3.01451	40.00000	Averaged
$ 54 2-Fluorobiphenyl	1.33819	1.29221	1.29221	0.010	3.43632	40.00000	Averaged
$ 105 Terphenyl-d14	0.82931	0.74038	0.74038	0.010	10.72249	40.00000	Averaged
1 Pyridine	1.37796	1.39287	1.39287	0.010	-1.08163	40.00000	Averaged
2 N-Nitrosodimethylamine	0.79763	0.78763	0.78763	0.010	1.25412	40.00000	Averaged
3 2-Picoline	1.58578	1.55829	1.55829	0.010	1.73337	40.00000	Averaged
4 N-Nitrosomethylethylamine	0.73020	0.71428	0.71428	0.010	2.18044	40.00000	Averaged
5 Methyl methanesulfonate	0.79113	0.77037	0.77037	0.010	2.62429	40.00000	Averaged
7 N-Nitrosodiethylamine	0.70812	0.70246	0.70246	0.010	0.79876	40.00000	Averaged
8 Ethyl methanesulfonate	1.05232	1.03577	1.03577	0.010	1.57351	40.00000	Averaged
9 Pentachloroethane	0.49337	0.48164	0.48164	0.010	2.37888	40.00000	Averaged
10 Aniline	2.16066	2.16256	2.16256	0.010	-0.08823	40.00000	Averaged
11 bis(2-Chloroethyl)ether	1.41491	1.35431	1.35431	0.010	4.28295	40.00000	Averaged
13 Phenol	2.02229	1.87816	1.87816	0.010	7.12741	20.00000	Averaged
14 2-Chlorophenol	1.50814	1.46720	1.46720	0.010	2.71402	40.00000	Averaged
15 1,3-Dichlorobenzene	1.58474	1.53441	1.53441	0.010	3.17625	40.00000	Averaged
16 1,4-Dichlorobenzene	1.64268	1.56868	1.56868	0.010	4.50532	20.00000	Averaged
18 1,2-Dichlorobenzene	1.52489	1.47145	1.47145	0.010	3.50410	40.00000	Averaged
19 Benzyl Alcohol	0.93840	0.93965	0.93965	0.010	-0.13335	40.00000	Averaged
20 bis(2-Chloroisopropyl)ether	1.63859	1.60041	1.60041	0.010	2.32994	40.00000	Averaged
21 2-Methylphenol	1.31952	1.28334	1.28334	0.010	2.74166	40.00000	Averaged
22 Acetophenone	1.93621	1.87854	1.87854	0.010	2.97863	40.00000	Averaged
23 N-Nitroso-di-n-propylamine	0.99753	0.98293	0.98293	0.050	1.46351	40.00000	Averaged
24 N-Nitrosopyrrolidine	0.69144	0.71045	0.71045	0.010	-2.74789	40.00000	Averaged
25 3-(and/or 4-)Methylphenol	1.40837	1.38563	1.38563	0.010	1.61490	40.00000	Averaged
27 o-Toluidine	2.17627	2.16366	2.16366	0.010	0.57946	40.00000	Averaged
28 Hexachloroethane	0.58735	0.56248	0.56248	0.010	4.23381	40.00000	Averaged
30 Nitrobenzene	0.39394	0.37955	0.37955	0.010	3.65094	40.00000	Averaged
31 N-Nitrosopiperidine	0.17962	0.17246	0.17246	0.010	3.99013	40.00000	Averaged
32 Isophorone	0.68785	0.65617	0.65617	0.010	4.60521	40.00000	Averaged
33 2-Nitrophenol	0.20244	0.20008	0.20008	0.010	1.16745	20.00000	Averaged
34 2,4-Dimethyphenol	0.38446	0.36793	0.36793	0.010	4.29893	40.00000	Averaged
35 Bis(2-chloroethoxy)methane	0.39520	0.37932	0.37932	0.010	4.01795	40.00000	Averaged
36 2,4-Dichlorophenol	0.29235	0.28416	0.28416	0.010	2.80381	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.32523	0.31118	0.31118	0.010	4.32100	40.00000	Averaged
39 Benzoic Acid	75.00000	78.87622	0.08949	0.010	-5.16829	40.00000	Wt Linear
41 Naphthalene	1.05719	1.01558	1.01558	0.010	3.93592	40.00000	Averaged
42 4-Chloroaniline	0.43503	0.42751	0.42751	0.010	1.72926	40.00000	Averaged
43 2,6-Dichlorophenol	0.28998	0.27901	0.27901	0.010	3.78463	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 5
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N061202.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

Injection Date: 12-JUN-2007 08:04
Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Init. Cal. Times: 12:44 11:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
44 Hexachloropropene	0.19481	0.19983	0.19983	0.010	-2.57735	40.00000	Averaged
45 Hexachlorobutadiene	0.19173	0.18114	0.18114	0.010	5.52657	20.00000	Averaged
46 N-Nitroso-di-n-butylamine	0.23626	0.22828	0.22828	0.010	3.37593	40.00000	Averaged
47 4-Chloro-3-Methylphenol	0.32322	0.31117	0.31117	0.010	3.72862	20.00000	Averaged
48 Safrole	0.27414	0.26518	0.26518	0.010	3.27045	40.00000	Averaged
49 2-Methylnaphthalene	0.69583	0.67383	0.67383	0.010	3.16124	40.00000	Averaged
50 Hexachlorocyclopentadiene	75.00000	66.94514	0.09964	0.050	10.73981	40.00000	Quadratic
51 1,2,4,5-Tetrachlorobenzene	0.56213	0.55394	0.55394	0.010	1.45659	40.00000	Averaged
52 2,4,6-Trichlorophenol	0.34490	0.34540	0.34540	0.010	-0.14436	20.00000	Averaged
53 2,4,5-Trichlorphenol	0.36919	0.36554	0.36554	0.010	0.98848	40.00000	Averaged
55 2-Chloronaphthalene	0.45640	0.44586	0.44586	0.010	2.30796	40.00000	Averaged
56 Isosafrole	0.47937	0.45404	0.45404	0.010	5.28381	40.00000	Averaged
57 2-Nitroaniline	0.35382	0.34503	0.34503	0.010	2.48550	40.00000	Averaged
58 1,4-Naphthoquinone	0.42717	0.41948	0.41948	0.010	1.79856	40.00000	Averaged
59 Dimethylphthalate	1.26645	1.21433	1.21433	0.010	4.11517	40.00000	Averaged
60 2,6-Dinitrotoluene	0.30617	0.29942	0.29942	0.010	2.20593	40.00000	Averaged
61 1,3-Dinitrobenzene	0.22977	0.22568	0.22568	0.010	1.77890	40.00000	Averaged
62 Acenaphthylene	1.89587	1.84480	1.84480	0.010	2.69372	40.00000	Averaged
63 3-Nitroaniline	0.33814	0.33411	0.33411	0.010	1.19197	40.00000	Averaged
65 Acenaphthene	1.13489	1.09542	1.09542	0.010	3.47728	20.00000	Averaged
66 2,4-Dinitrophenol	75.00000	76.03683	0.14743	0.050	-1.38244	40.00000	Wt Linear
67 Dibenzofuran	1.58794	1.52820	1.52820	0.010	3.76225	40.00000	Averaged
68 4-Nitrophenol	0.15213	0.14128	0.14128	0.050	7.13323	40.00000	Averaged
69 Pentachlorobenzene	0.46479	0.45351	0.45351	0.010	2.42658	40.00000	Averaged
70 2,4-Dinitrotoluene	0.40329	0.39509	0.39509	0.010	2.03270	40.00000	Averaged
72 2,3,4,6-tetrachlorophenol	0.27834	0.28726	0.28726	0.010	-3.20471	40.00000	Averaged
74 Diethylphthalate	1.24090	1.19192	1.19192	0.010	3.94717	40.00000	Averaged
75 4-Chlorophenyl-phenylether	0.61714	0.58662	0.58662	0.010	4.94537	40.00000	Averaged
76 Fluorene	1.23083	1.18323	1.18323	0.010	3.86682	40.00000	Averaged
77 5-Nitro-o-toluidine	0.38576	0.37790	0.37790	0.010	2.03775	40.00000	Averaged
78 4,6-Dinitro-2-methylphenol	75.00000	76.11002	0.12471	0.010	-1.48003	40.00000	Wt Linear
79 4-Nitroaniline	0.32679	0.33057	0.33057	0.010	-1.15648	40.00000	Averaged
80 N-Nitrosodiphenylamine/DPA	1.12837	1.08257	1.08257	0.010	4.05853	20.00000	Averaged
81 Azobenzene	0.72324	0.75864	0.75864	0.010	-4.89400	40.00000	Averaged
83 Diallate #1	++++	0.11096	0.11096	0.010	++++	40.00000	Averaged <-
84 4-Bromophenyl-phenylether	0.20333	0.19581	0.19581	0.010	3.69601	40.00000	Averaged
85 Phenacetin	0.35030	0.34747	0.34747	0.010	0.80655	40.00000	Averaged
86 Diallate #2	++++	0.02404	0.02404	0.010	++++	40.00000	Averaged <-
87 Hexachlorobenzene	0.20097	0.19721	0.19721	0.010	1.86729	40.00000	Averaged
88 1,3,5-Trinitrobenzene	0.16886	0.17836	0.17836	0.010	-5.62438	40.00000	Averaged
90 Pentachlorophenol	75.00000	84.86650	0.08851	0.010	-13.15534	20.00000	Wt Linear
91 Pronamide	0.30054	0.29175	0.29175	0.010	2.92484	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 6
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:04
Lab File ID: N061202.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Pentachloronitrobenzene	0.03793	0.03729	0.03729	0.010	1.68790	40.00000	Averaged
94 Phenanthrene	1.02416	0.99685	0.99685	0.010	2.66691	40.00000	Averaged
95 Anthracene	1.02390	0.98465	0.98465	0.010	3.83401	40.00000	Averaged
96 Dinoseb	75.00000	76.63172	0.17248	0.010	-2.17563	40.00000	Wt Linear
97 Carbazole	0.97237	0.95516	0.95516	0.010	1.76989	40.00000	Averaged
98 Di-n-Butylphthalate	1.12403	1.07658	1.07658	0.010	4.22140	40.00000	Averaged
101 Isodrin	0.11249	0.10418	0.10418	0.010	7.39015	40.00000	Averaged
102 Fluoranthene	1.12601	1.09601	1.09601	0.010	2.66413	20.00000	Averaged
103 Benzidine	0.52556	0.62557	0.62557	0.010	-19.02956	40.00000	Averaged
104 Pyrene	1.29495	1.14474	1.14474	0.010	11.59994	40.00000	Averaged
106 4-Dimethylaminoazobenzene	0.33843	0.30692	0.30692	0.010	9.30981	40.00000	Averaged
107 Chlorobenzilate	0.35653	0.32340	0.32340	0.010	9.29388	40.00000	Averaged
109 3,3'-Dimethylbenzidine	0.68808	0.66552	0.66552	0.010	3.27883	40.00000	Averaged
110 Butylbenzylphthalate	0.55609	0.50119	0.50119	0.010	9.87261	40.00000	Averaged
111 2-Acetylaminofluorene	0.49555	0.50497	0.50497	0.010	-1.90162	40.00000	Averaged
112 3,3'-Dichlorobenzidine	0.42330	0.40640	0.40640	0.010	3.99272	40.00000	Averaged
113 Benzo(a)anthracene	1.16704	1.06663	1.06663	0.010	8.60395	40.00000	Averaged
115 bis(2-Ethylhexyl)phthalate	0.73358	0.67694	0.67694	0.010	7.72018	40.00000	Averaged
116 Chrysene	1.08010	1.04898	1.04898	0.010	2.88096	40.00000	Averaged
117 Di-n-octylphthalate	1.33302	1.17478	1.17478	0.010	11.87099	20.00000	Averaged
118 7,12-Dimethylbenz(a)anthrac	0.53553	0.48803	0.48803	0.010	8.87043	40.00000	Averaged
119 Benzo(b)fluoranthene	1.32446	1.24132	1.24132	0.010	6.27728	40.00000	Averaged
120 Benzo(k)fluoranthene	1.36758	1.32660	1.32660	0.010	2.99641	40.00000	Averaged
121 Benzo(a)pyrene	1.18942	1.11912	1.11912	0.010	5.91063	20.00000	Averaged
123 3-MethylCholanthrene	0.56949	0.54622	0.54622	0.010	4.08665	40.00000	Averaged
125 Indeno(1,2,3-cd)pyrene	1.29410	1.19518	1.19518	0.010	7.64434	40.00000	Averaged
126 Dibenz(a,h)anthracene	1.05260	0.97806	0.97806	0.010	7.08176	40.00000	Averaged
127 Benzo(g,h,i)perylene	1.07711	1.03653	1.03653	0.010	3.76768	40.00000	Averaged
M 176 Diallate (total)	0.14087	0.13501	0.13501	0.010	4.16258	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 1
Report Date: 13-Jun-2007 07:33

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:56
Lab File ID: N061203.D Init. Cal. Date(s): 31-MAY-2007 31-MAY-2007
Analysis Type: Init. Cal. Times: 12:44 19:49
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.m

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
26 N-Nitrosomorpholine	0.77804	0.80358	0.80358	0.010	-3.28179	40.00000	Averaged	
37 a,a-Dimethylphenethylamine	0.66788	0.66736	0.66736	0.010	0.07758	40.00000	Averaged	
71 1-Naphthylamine	1.08722	1.06729	1.06729	0.010	1.83400	40.00000	Averaged	
73 2-Naphthylamine	1.08326	0.98754	0.98754	0.010	8.83649	40.00000	Averaged	
89 4-Aminobiphenyl	0.75205	0.71883	0.71883	0.010	4.41746	40.00000	Averaged	
99 4-Nitroquinoline-1-oxide	75.00000	55.01671	0.01872	0.010	26.64439	40.00000	Linear	
100 Methapyrilene	75.00000	63.59265	0.23252	0.010	15.20980	40.00000	Quadratic	
130 N,N-Dimethylformamide	0.90333	0.92613	0.92613	0.010	-2.52394	40.00000	Averaged	
131 Propyl cellosolve	1.26615	1.31740	1.31740	0.010	-4.04776	40.00000	Averaged	
132 Acrylamide	0.35065	0.38459	0.38459	0.010	-9.67885	40.00000	Averaged	
136 o,o,o-Triethylphosphorothio	0.17182	0.16460	0.16460	0.010	4.20259	40.00000	Averaged	
142 p-Phenylenediamine	75.00000	71.23525	0.33001	0.010	5.01966	40.00000	Quadratic	
143 1-Methylnaphthalene	0.61124	0.59835	0.59835	0.010	2.10837	40.00000	Averaged	
146 Biphenyl	1.33818	1.30373	1.30373	0.010	2.57422	40.00000	Averaged	
149 Diphenyl ether	0.74505	0.73716	0.73716	0.010	1.05916	40.00000	Averaged	
150 1,4-Dinitrobenzene	0.17817	0.18404	0.18404	0.010	-3.29553	40.00000	Averaged	
151 Dimethyl terephthalate	0.21361	0.21969	0.21969	0.010	-2.84663	40.00000	Averaged	
153 2,3,5,6-Tetrachlorophenol	75.00000	80.28489	0.25892	0.010	-7.04652	40.00000	Wt Linear	
154 Thionazin	0.23899	0.24770	0.24770	0.010	-3.64516	40.00000	Averaged	
155 Sulfotepp	0.10219	0.09946	0.09946	0.010	2.67377	40.00000	Averaged	
156 Phorate	0.36926	0.35903	0.35903	0.010	2.77139	40.00000	Averaged	
157 Dimethoate	0.20398	0.19027	0.19027	0.010	6.72017	40.00000	Averaged	
158 Disulfoton	0.30712	0.30031	0.30031	0.010	2.21749	40.00000	Averaged	
159 Methyl parathion	0.17344	0.16440	0.16440	0.010	5.21186	40.00000	Averaged	
160 Parathion	0.12781	0.12539	0.12539	0.010	1.89498	40.00000	Averaged	
161 Aramite #1	++++	0.04878	0.04878	0.010	++++	40.00000	Averaged	<-
162 Aramite #2	++++	0.08488	0.08488	0.010	++++	40.00000	Averaged	<-
163 Famphur	0.01072	0.02754	0.02754	0.010	-157	40.00000	Averaged	<-
164 4,4-Methylenebis(2-chloroa	0.09936	0.09750	0.09750	0.010	1.87219	40.00000	Averaged	
167 Dibenz(a,j)acridine	0.84778	0.91167	0.91167	0.010	-7.53615	40.00000	Averaged	
173 1-Methyl-2-pyrrolidone	0.82472	0.82785	0.82785	0.010	-0.37961	40.00000	Averaged	
M 177 Aramite (total)	0.13778	0.13366	0.13366	0.010	2.98972	40.00000	Averaged	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	156680	7.16	612404	9.16	337330	11.96
	UPPER LIMIT	313360	7.66	1224808	9.66	674660	12.46
	LOWER LIMIT	78340	6.66	306202	8.66	168665	11.46
	CLIENT SAMPLE NO.						
01	CAP_050	114357	7.16	434147	9.15	245961	11.95
02	I7F060000-50	123413	7.16	480177	9.15	273922	11.95
03	I7F060000-50	120291	7.17	467622	9.16	262661	11.96
04	OMW27B	120370	7.16	466951	9.15	269822	11.95
05	I7F050254-01	115610	7.17	451619	9.16	256754	11.96
06	I7F050254-01	118224	7.17	465203	9.16	265247	11.96
07	OUTFALL 003	111602	7.16	433826	9.15	248014	11.95
08	I7F050254-03	110054	7.16	429276	9.15	247462	11.95
09	MW28A	116707	7.16	451209	9.15	259619	11.95
10	MW29	121613	7.24	430469	9.19	264464	11.97
11	I7F110000-41	111358	7.16	429570	9.15	244930	11.95
12	I7F110000-41	113065	7.17	432116	9.16	245003	11.96
13	I7F110000-41	110486	7.17	427326	9.16	239242	11.96
14	OP1 USED OIL	121299	7.16	467773	9.15	266188	11.96
15	OP1 A USED O	121063	7.16	468599	9.15	263461	11.96
16	OP4 USED OIL	122417	7.16	480241	9.15	269430	11.96
17	C12 USED OIL	120526	7.16	469654	9.15	265039	11.96
18	C:12 COD TOP	121934	7.17	478469	9.15	269829	11.95
19	I7F060000-50	105867	7.16	414130	9.15	233676	11.95
20	I7F060000-50	115856	7.17	457258	9.16	254776	11.96
21	I7F060000-50	113566	7.17	446034	9.16	246547	11.96
22	OUTFALL 002	114001	7.16	444861	9.15	254059	11.95

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	156680	7.16	612404	9.16	337330	11.96
	UPPER LIMIT	313360	7.66	1224808	9.66	674660	12.46
	LOWER LIMIT	78340	6.66	306202	8.66	168665	11.46
	CLIENT SAMPLE NO.						
01	OUTFALL 003	109644	7.16	427188	9.15	242750	11.95
02	OUTFALL 002	109296	7.16	327424	9.15	242165	11.95
03	OUTFALL 003	110419	7.16	429785	9.15	245532	11.95
04	OUTFALL 001(	109981	7.17	342670	9.15	241893	11.95
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	604298	14.30	596239	18.55	590055	20.70
	UPPER LIMIT	1208596	14.80	1192478	19.05	1180110	21.20
	LOWER LIMIT	302149	13.80	298120	18.05	295028	20.20
	CLIENT SAMPLE NO.						
01	CAP 050	423070	14.29	413983	18.54	383072	20.68
02	I7F060000-50	474770	14.29	468590	18.54	437367	20.69
03	I7F060000-50	463708	14.29	443394	18.55	425531	20.69
04	OMW27B	463290	14.29	452160	18.54	432361	20.68
05	I7F050254-01	447883	14.29	429624	18.55	419884	20.69
06	I7F050254-01	464015	14.29	443463	18.55	435539	20.69
07	OUTFALL 003	425524	14.29	405778	18.54	386505	20.69
08	I7F050254-03	419695	14.29	409689	18.54	381302	20.69
09	MW28A	442139	14.29	443644	18.54	414411	20.69
10	MW29	479662	14.31	483210	18.56	453868	20.69
11	I7F110000-41	418938	14.29	414671	18.54	381194	20.69
12	I7F110000-41	430363	14.30	408718	18.55	386259	20.69
13	I7F110000-41	418091	14.30	404891	18.55	377977	20.69
14	OP1 USED OIL	450947	14.29	460420	18.54	443522	20.69
15	OP1 A USED O	454404	14.29	447553	18.54	441215	20.69
16	OP4 USED OIL	456061	14.29	446572	18.54	438397	20.69
17	C12 USED OIL	446289	14.29	440490	18.54	440322	20.69
18	C:12 COD TOP	455874	14.29	447669	18.54	422749	20.69
19	I7F060000-50	400463	14.29	392883	18.54	371228	20.68
20	I7F060000-50	451656	14.30	437932	18.55	422759	20.69
21	I7F060000-50	437032	14.30	424446	18.55	410566	20.69
22	OUTFALL 002	435840	14.29	426964	18.54	408215	20.69

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	604298	14.30	596239	18.55	590055	20.70
	UPPER LIMIT	1208596	14.80	1192478	19.05	1180110	21.20
	LOWER LIMIT	302149	13.80	298120	18.05	295028	20.20
	CLIENT SAMPLE NO.						
01	OUTFALL 003	414738	14.29	404369	18.54	380905	20.68
02	OUTFALL 002	419698	14.29	407183	18.54	377043	20.69
03	OUTFALL 003	418048	14.29	412353	18.54	386647	20.69
04	OUTFALL 001(	415717	14.29	406290	18.54	381713	20.69
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC & Sample Data

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7F050254	I7F050316
I7F050121	I7F060169
I7F010127	I7F050295
I7F040219	CAPROLACTUM CUVE
I7F050291	

Method Name/Type: M8270c/625

Instrument ID: MSN1

Analysis Date: 6/12/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration (CAPROLACTUM) ✓				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances included and noted	✓			
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

Batch 7157509 MS/MSD had several BN analytes recovered low or not detected. LCS OK.
I7F050291-01 – Some DI-NB high due to matrix interference

Analyst: Mark Malloy — Date: 06/14/07

2nd Review: [illegible] — Date: 6/18/07

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/25/07
Time: 10:59:27

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	_	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 402991
402066
401822 Luke A. Townsend
Concentrationist: 402066 Luke A. Townsend
401822 Luke A. Townsend

****
* QC BATCH: 7157509 *
****

PREP DATE: 6/06/07 14:00
COMP DATE: 6/08/07 8:00

Reviewer/Date: TOWNSENL / 6/08/07

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (A/B/N) - Acid->Base

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/08/07	6/20/07	I7F050121-001 JX9N7-1-AA		49	QL	WATER	950mL 1.00mL	9.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-A3S	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-A4D	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-003 J0A5A-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/12/07	6/20/07	I7F060169-001 J0DTG-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/12/07	6/20/07	I7F060169-002 J0DTN-1-AF	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/25/07
Time: 10:59:27

QC BATCH: 7157509

PREP DATE: 6/06/07 14:00
COMP DATE: 6/08/07 8:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
6/11/07	0/00/00	I7F060000-509 J0FF1-1-AAB		49	QL	WATER	1000mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	0/00/00	I7F060000-509 J0FF1-1-ACC		49	QL	WATER	1000mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 9

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 6-12-7
SHIFT (Circle): (1) 2 3 METHOD / TEST: M82-70C
COMPUTER CLOCK DATE / TIME: SOP #: 4W MS 0007

DAILY CHECK ✓	INSERT CHANGED cleaned	SEPTA CHANGED ✓	COLUMN CHANGED ✓	AUTOSAMPLER MAINT.
M PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.V
Elect Mult. 1471 volts
Tuning Performance (circle one): DFTPP Autotune Other
Sampling Rate 2^n 1
Scan Range 35-500 amu
Interface (circle one): Direct Jet Separator Other

GC PROGRAM:

GC Meth. N053107M
Inj. Temp. 270 C
Carrier Gas: Helium
Flow/Pressure 8-9 psi
Initial Temp. 50 C
Init.Hold 2.75 min
Ramp 15 C/min
Final Temp. 220 C
Final Hold 3.5 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MSD#262 (Circle one) Packed Capillary
Phases/Loadings: RTX MS 5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless) pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Nu

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	N061219	N053107M	J0DTN1AP;I7F060169-02;1;0;;1;
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	26	N061226	N053107M	JX35Q1AC;I7F010127-04;10;0;;2
27	Sample	27	N061227	N053107M	J0QDM1AC;I7F110202-02;10;0;;2
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;
					...;I7F050316-01;1;0;;1;

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001	
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S	
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;	
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S	
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S	
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S	
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S	
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S	
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S	
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA	
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;	
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;	
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;	PARENT
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;	
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;	
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;	
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;	[illegible] 6/26/07
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;	
19	Sample	19	N061219	N053107M	~~J0DTN1AF;I7F060169-02;1;0;;1;~~	Not used
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;	
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;	
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;	
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2	✓
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2	✓
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2	
26	Sample	26	~~N061226~~	~~N053107M~~	~~JX35Q1AC;I7F010127-04;10;0;;~~2	Not used
27	Sample	27	~~N061227~~	~~N053107M~~	~~J0QDM1AC;I7F110202-02;10;0;;2~~	" " [illegible] 6/26/07
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;	
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;	
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;	
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;	
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;	✓
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;	
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;	
35	Sample	35	N061235	N053107M	J0CJP1AA;I7F050316-01;1;0;;1;	

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D Page 1
Report Date: 13-Jun-2007 07:36

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 12-JUN-2007 07:45
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.496	7.803	-0.307	198	280192			0.00- 100.00	100.00
7.496	8.311	-0.815	51	98840			30.00- 60.00	35.28
7.496	8.311	-0.815	68	0	0.0	0.0	0.00- 2.00	0.00
7.496	8.311	-0.815	69	107600			0.00- 0.00	38.40
7.496	8.311	-0.815	70	125			0.00- 2.00	0.12
7.496	8.311	-0.815	127	136768			40.00- 60.00	48.81
7.496	8.311	-0.815	197	0	0.0	0.0	0.00- 1.00	0.00
7.496	8.311	-0.815	199	18792			5.00- 9.00	6.71
7.496	8.311	-0.815	275	78944			10.00- 30.00	28.17
7.496	8.311	-0.815	365	8537			1.00- 0.00	3.05
7.496	8.311	-0.815	441	36488			0.01- 99.99	73.33
7.496	8.311	-0.815	442	255744			40.00- 0.00	91.27
7.496	8.311	-0.815	443	49760			17.00- 23.00	19.46

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

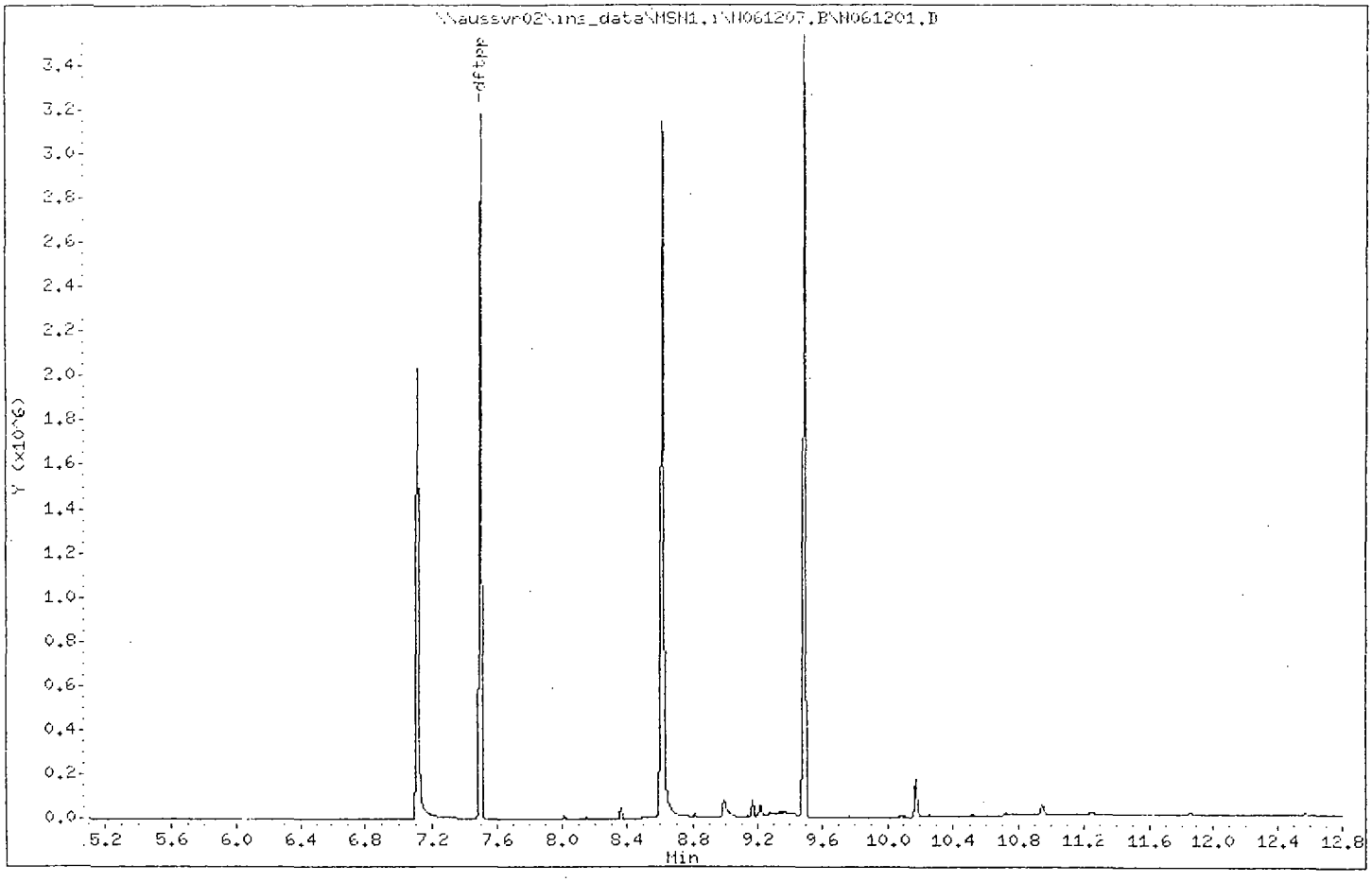
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;:SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

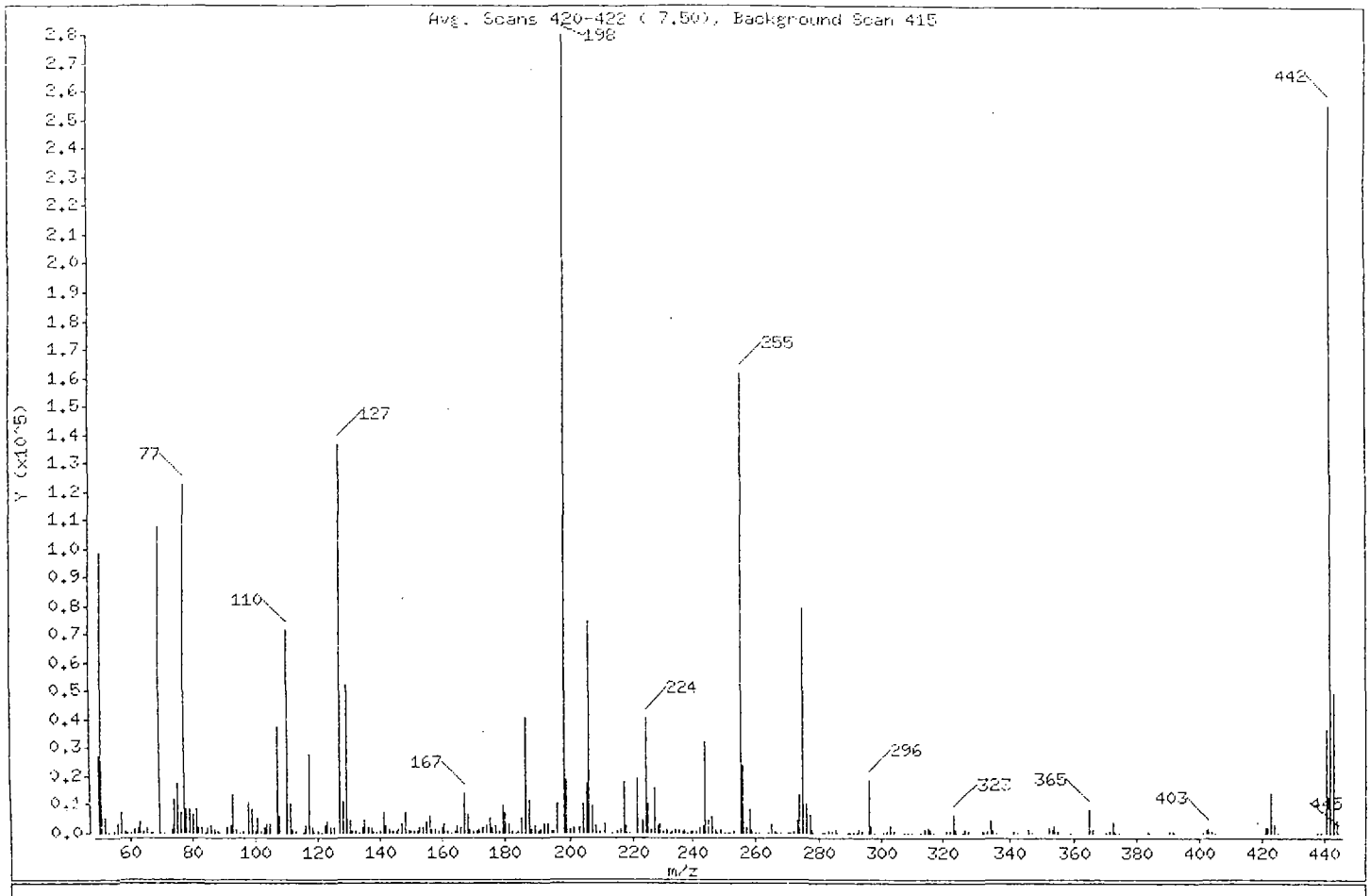
Sample Info: DFTPP;DFTPP;;;SHTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.40
70	Less than 2.00% of mass 69	0.04 (0.12)
127	40.00 - 60.00% of mass 198	48.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	28.17
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	13.02
442	Greater than 40.00% of mass 198	91.27
443	17.00 - 23.00% of mass 442	17.76 (19.46)

6-14-7

Data File: \\aussvr02\ms_data\MSN1.1\N061207.P\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.1

Sample Info: DFTPP:DFTPP;;;SMTuneSTE_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27000	131.00	857	205.00	17144	289.00	255
51.00	98840	132.00	561	206.00	74728	290.00	212
52.00	5110	133.00	321	207.00	9730	291.00	122
53.00	283	134.00	1611	208.00	2469	292.00	293
55.00	636	135.00	4335	209.00	755	293.00	1400
56.00	3063	136.00	1742	211.00	2993	294.00	366
57.00	6916	137.00	2101	213.00	246	296.00	18688
58.00	324	138.00	484	215.00	834	297.00	2655
59.00	56	139.00	317	216.00	1535	298.00	198
60.00	177	140.00	731	217.00	17800	301.00	254
61.00	1386	141.00	6985	218.00	2422	302.00	372
62.00	1613	142.00	2320	219.00	257	303.00	2312
63.00	4173	143.00	1502	221.00	19608	304.00	709
64.00	621	144.00	419	223.00	4338	308.00	304
65.00	2172	145.00	384	224.00	40608	309.00	213
66.00	166	146.00	1293	225.00	10479	310.00	283
67.00	59	147.00	3514	226.00	1205	313.00	150
69.00	107600	148.00	7217	227.00	16243	314.00	1010
70.00	125	149.00	1538	228.00	2481	315.00	2153
71.00	109	150.00	430	229.00	3474	316.00	1268
73.00	1089	151.00	934	230.00	562	317.00	205
74.00	11546	152.00	678	231.00	1468	321.00	631
75.00	17600	153.00	2160	232.00	319	322.00	340
76.00	7146	154.00	1631	233.00	340	323.00	6684
77.00	122112	155.00	3792	234.00	1061	324.00	1221
78.00	8514	156.00	5722	235.00	1252	326.00	51
79.00	8551	157.00	1297	236.00	806	327.00	1167
80.00	6323	158.00	1222	237.00	1250	328.00	623
81.00	8678	159.00	947	238.00	216	332.00	461
82.00	2207	160.00	2125	239.00	704	333.00	705
83.00	2061	161.00	3130	240.00	528	334.00	4213
84.00	204	162.00	919	241.00	916	335.00	1154
85.00	1611	163.00	220	242.00	2027	336.00	63
86.00	2498	164.00	427	243.00	2291	341.00	768
87.00	1244	165.00	2486	244.00	32512	342.00	215

Data File: \\aussvr02\ms_data\MSN1.i\N061207.P\N061201.D

Page 5

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	465	166.00	2149	245.00	4273	346.00	1385
89.00	173	167.00	13965	246.00	6019	347.00	267
91.00	2098	168.00	6121	247.00	1279	352.00	2038
92.00	2372	169.00	1168	248.00	301	353.00	1406
93.00	13498	170.00	502	249.00	1193	354.00	2338
94.00	1005	171.00	640	250.00	238	355.00	479
95.00	162	172.00	1221	251.00	289	359.00	118
96.00	684	173.00	1630	252.00	320	365.00	8537
98.00	10785	174.00	2875	253.00	738	366.00	1260
99.00	8100	175.00	5291	255.00	161984	370.00	135
100.00	840	176.00	1853	256.00	23752	371.00	511
101.00	4910	177.00	2732	257.00	1878	372.00	3599
102.00	364	178.00	881	258.00	8568	373.00	872
103.00	1920	179.00	9570	259.00	1476	374.00	71
104.00	3327	180.00	6774	260.00	258	383.00	944
105.00	3049	181.00	3194	261.00	299	384.00	269
107.00	37320	182.00	548	264.00	270	390.00	475
108.00	6042	183.00	317	265.00	3532	391.00	355
110.00	71520	184.00	871	266.00	462	392.00	275
111.00	10617	185.00	5084	267.00	117	401.00	209
112.00	1279	186.00	40584	268.00	8	402.00	1378
113.00	438	187.00	11347	270.00	272	403.00	1950
115.00	165	188.00	1172	271.00	317	404.00	734
116.00	2462	189.00	2437	272.00	500	405.00	59
117.00	27824	190.00	431	273.00	4815	421.00	1865
118.00	2147	191.00	1100	274.00	13696	422.00	1699
119.00	286	192.00	3151	275.00	78944	423.00	14426
120.00	526	193.00	3516	276.00	10421	424.00	2916
121.00	217	194.00	752	277.00	6327	425.00	291
122.00	2847	195.00	582	278.00	990	438.00	83
123.00	4034	196.00	10168	279.00	225	439.00	238
124.00	1788	198.00	280192	281.00	59	441.00	36488
125.00	1692	199.00	18792	282.00	66	442.00	255744
127.00	136768	200.00	1540	283.00	693	443.00	49760
128.00	10715	201.00	1739	284.00	499	444.00	4608

Data File: \\gaussvr02\ms_data\MSN1.1\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.1

Sample Info: DFTPP;DFTPP:::SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

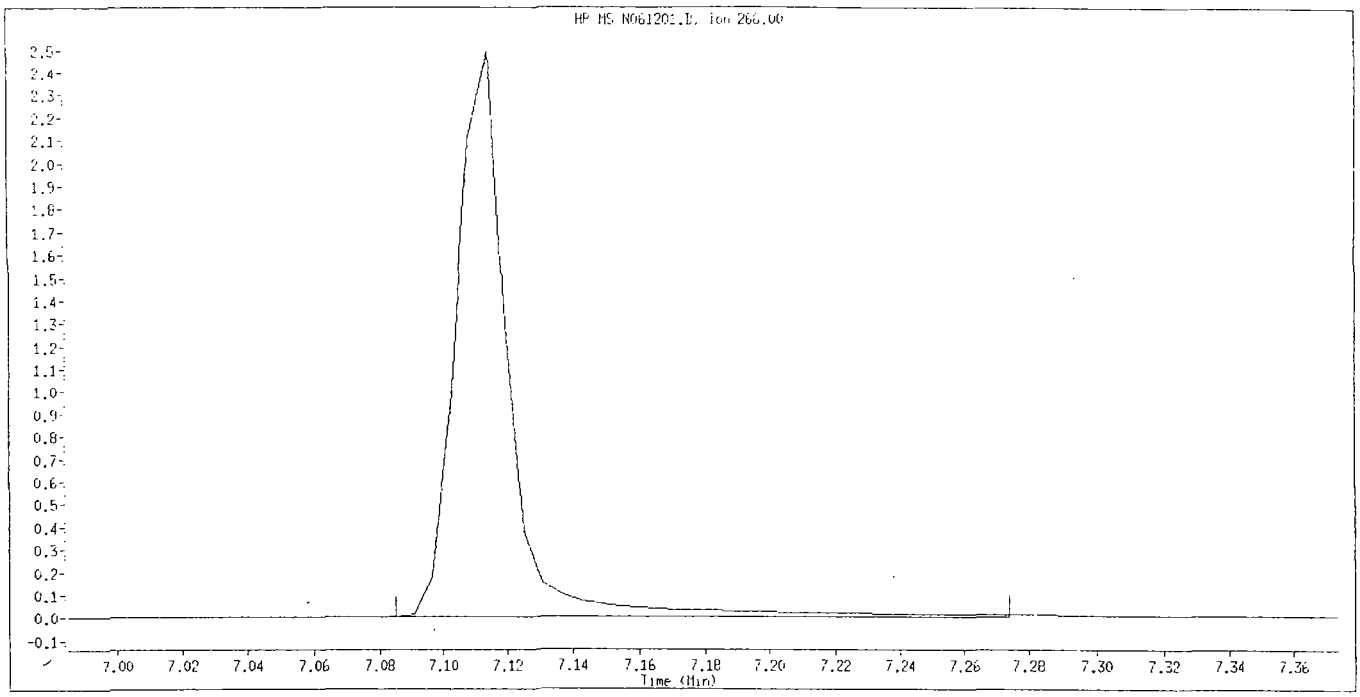
Location of Maximum: 198.00

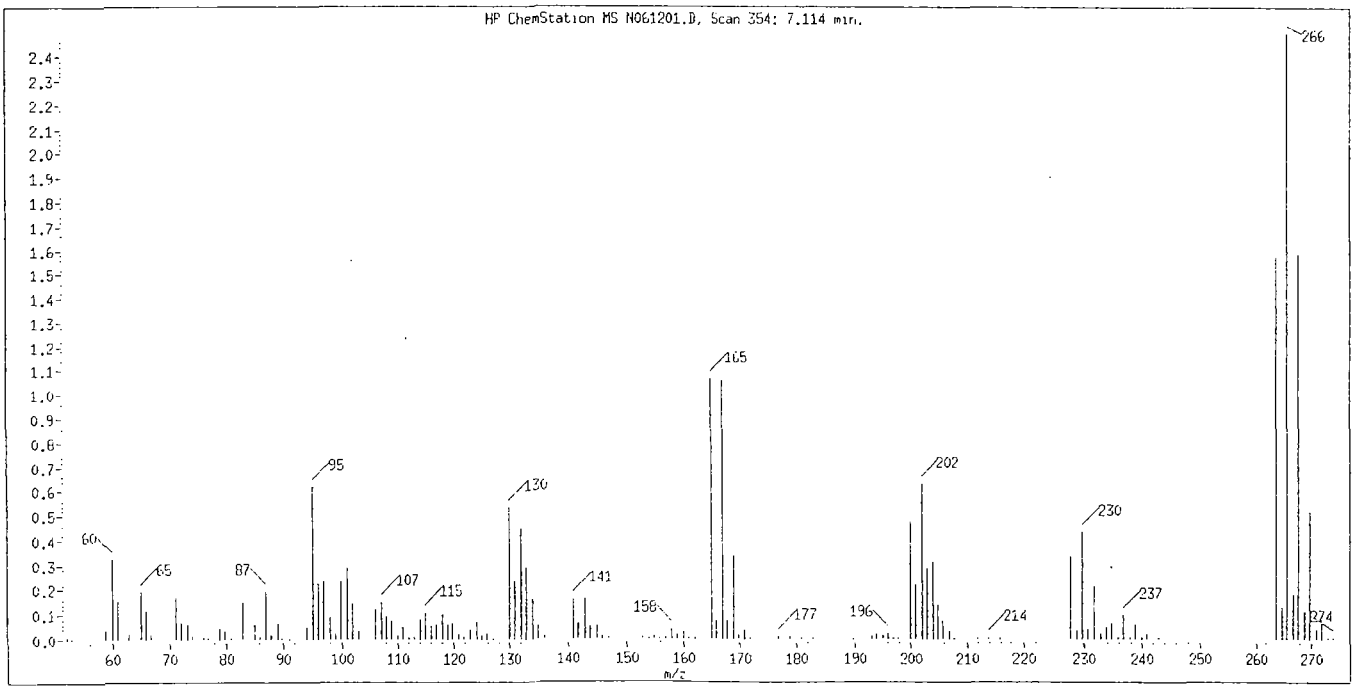
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	52144	203.00	1988	285.00	1055	445.00	273
130.00	4571	204.00	10067	286.00	239		

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

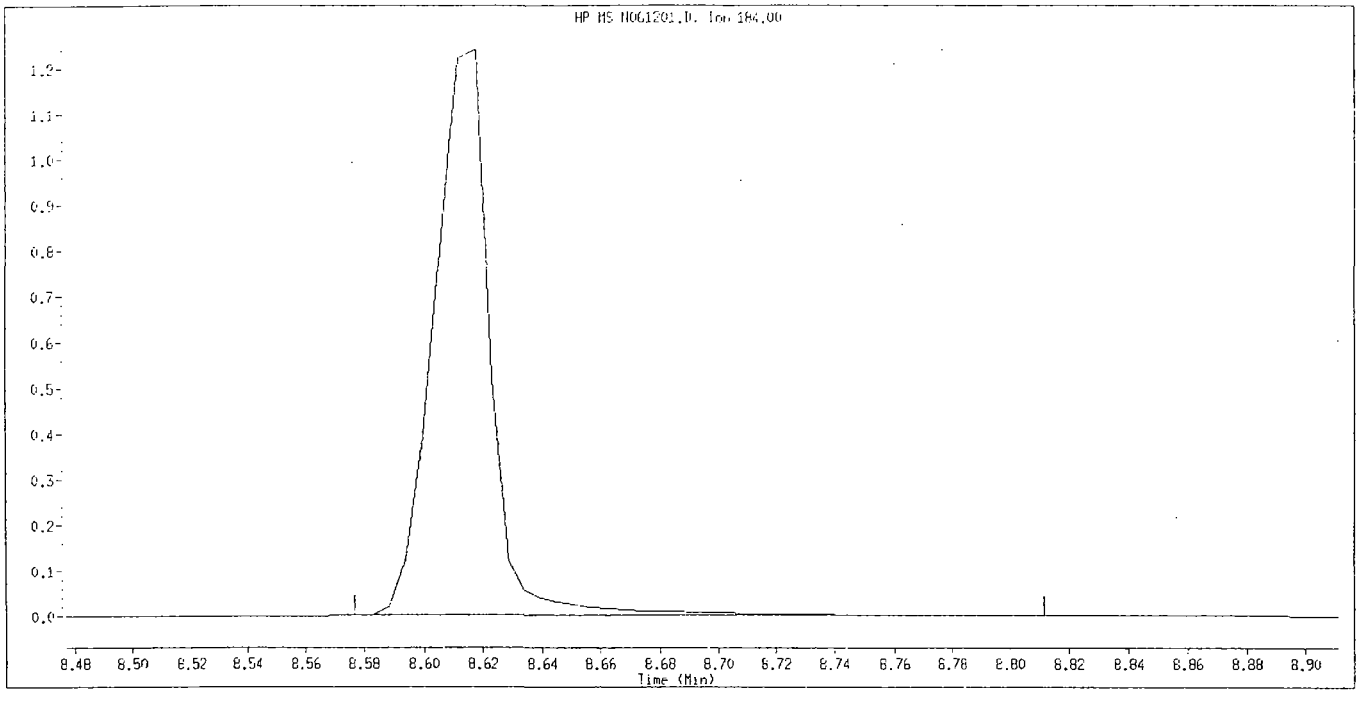


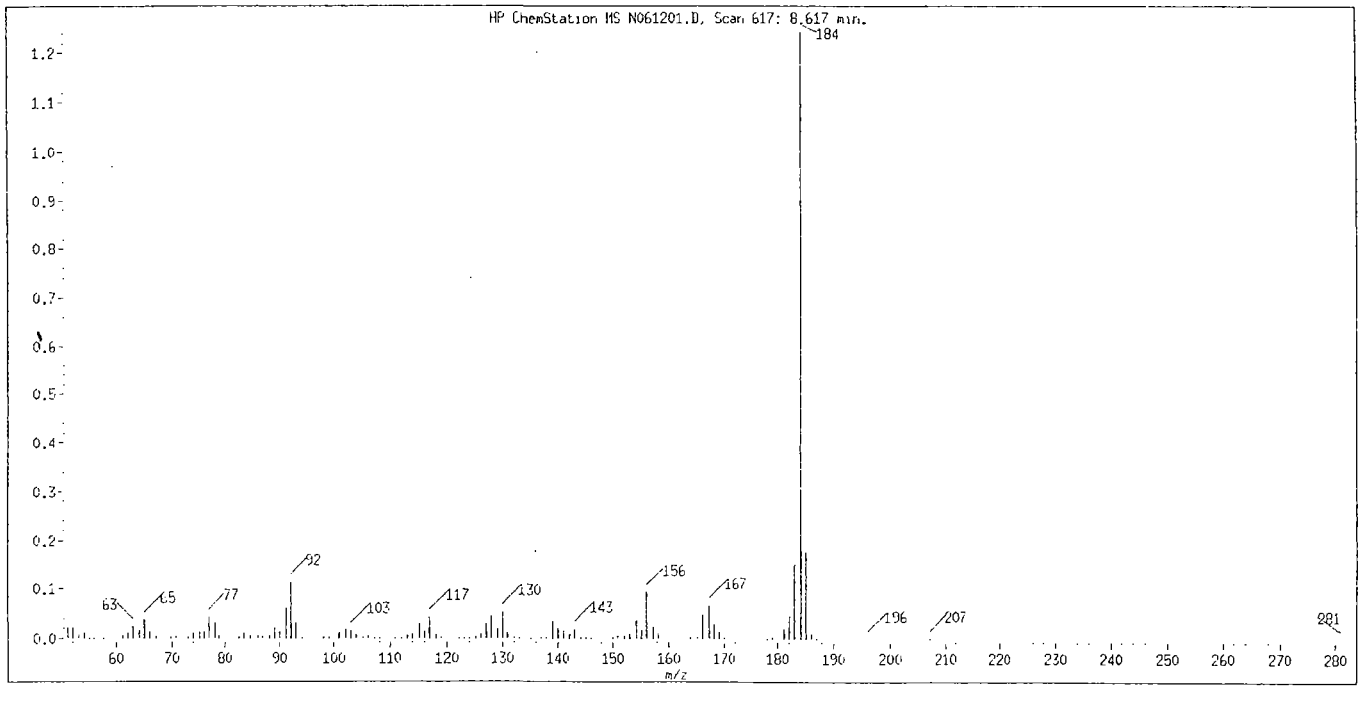


Tailing Factor = 0.888 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.097252 T2 = 7.113817 T3 = 7.128522

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

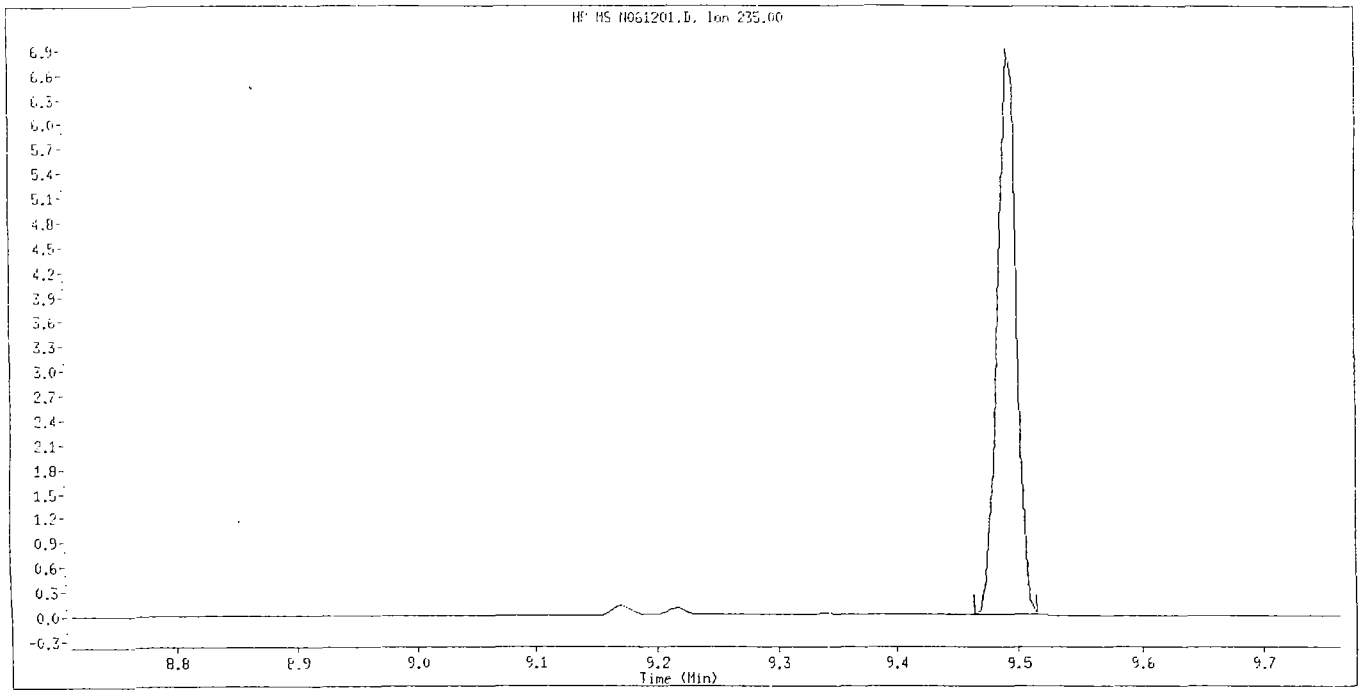




Tailing Factor = 0.5 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.594207 T2 = 8.616983 T3 = 8.628383

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 06/13/2007

DEGRADATION REPORT



Degradation = 2.76% Good
Acceptance Criteria 0 - 20 %
DDT Area = 758765
DDE Area = 12789
DDD Area = 8765

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 1
Report Date: 14-Jun-2007 15:11

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D
Lab Smp Id: Ccalib_4 Client Smp ID: HSL_075
Inj Date : 12-JUN-2007 08:04
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;HSL_075;;2;4;3;;;; SMHSLCCV00017
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 18:19 Cal File: N053114.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.164	7.159	(1.000)	156680	40.0000		REV
* 40 Naphthalene-d8	136	9.155	9.150	(1.000)	612404	40.0000		
* 64 Acenaphthene-d10	164	11.960	11.956	(1.000)	337330	40.0000		
* 93 Phenanthrene-d10	188	14.302	14.303	(1.000)	604298	40.0000		
* 114 Chrysene-d12	240	18.553	18.544	(1.000)	596239	40.0000		
* 122 Perylene-d12	264	20.695	20.691	(1.000)	590055	40.0000		
$ 6 2-Fluorophenol	112	5.302	5.302	(0.740)	801576	150.000	145.71	
$ 12 Phenol-d5	99	6.764	6.764	(0.944)	982844	150.000	147.02	
$ 82 2,4,6-Tribromophenol	330	13.244	13.244	(0.926)	194966	150.000	150.69	
$ 29 Nitrobenzene-d5	82	8.092	8.092	(0.884)	421830	75.0000	72.739	
$ 54 2-Fluorobiphenyl	172	10.892	10.892	(0.911)	817313	75.0000	72.423	
$ 105 Terphenyl-d14	244	16.865	16.865	(0.909)	827711	75.0000	66.958	
1 Pyridine	79	2.896	2.896	(0.404)	409189	75.0000	75.811	
2 N-Nitrosodimethylamine	74	2.934	2.934	(0.410)	231385	75.0000	74.059	
3 2-Picoline	93	4.250	4.250	(0.593)	457788	75.0000	73.700	
4 N-Nitrosomethylethylamine	88	4.525	4.525	(0.632)	209837	75.0000	73.365	
5 Methyl methanesulfonate	80	5.065	5.065	(0.707)	226315	75.0000	73.032	
7 N-Nitrosodiethylamine	102	5.642	5.642	(0.788)	206365	75.0000	74.401	
8 Ethyl methanesulfonate	79	6.144	6.144	(0.858)	304282	75.0000	73.820	
9 Pentachloroethane	117	6.716	6.716	(0.937)	141493	75.0000	73.216	
10 Aniline	93	6.748	6.748	(0.942)	635307	75.0000	75.066	
11 bis(2-Chloroethyl)ether	93	6.835	6.835	(0.954)	397862	75.0000	71.788	
13 Phenol	94	6.786	6.786	(0.947)	551755	75.0000	69.654	
14 2-Chlorophenol	128	6.921	6.921	(0.966)	431028	75.0000	72.964	
15 1,3-Dichlorobenzene	146	7.104	7.104	(0.992)	450771	75.0000	72.618	
16 1,4-Dichlorobenzene	146	7.191	7.191	(1.004)	460838	75.0000	71.621	
18 1,2-Dichlorobenzene	146	7.477	7.477	(1.044)	432276	75.0000	72.372	
19 Benzyl Alcohol	108	7.450	7.450	(1.040)	276046	75.0000	75.100	
20 bis(2-Chloroisopropyl)ether	45	7.655	7.655	(1.069)	470160	75.0000	73.252	
21 2-Methylphenol	108	7.671	7.671	(1.071)	377014	75.0000	72.944	
22 Acetophenone	105	7.854	7.854	(1.096)	551868	75.0000	72.766	
23 N-Nitroso-di-n-propylamine	70	7.903	7.903	(1.103)	288761	75.0000	73.902	
24 N-Nitrosopyrrolidine	100	7.887	7.887	(1.101)	208711	75.0000	77.061	
25 3-(and/or 4-)Methylphenol	108	7.914	7.914	(1.105)	814127	150.000	147.58	

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 2
Report Date: 14-Jun-2007 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
27 o-Toluidine	106	7.924	7.924	(1.106)	635628	75.0000	74.565	
28 Hexachloroethane	117	7.935	7.935	(1.108)	165242	75.0000	71.825	
30 Nitrobenzene	77	8.119	8.119	(0.887)	435825	75.0000	72.262	
31 N-Nitrosopiperidine	114	8.361	8.361	(0.913)	198024	75.0000	72.007	
32 Isophorone	82	8.475	8.475	(0.926)	753451	75.0000	71.546	
33 2-Nitrophenol	139	8.610	8.610	(0.940)	229739	75.0000	74.124	
34 2,4-Dimethylphenol	107	8.701	8.701	(0.950)	422481	75.0000	71.776	
35 Bis(2-chloroethoxy)methane	93	8.825	8.825	(0.964)	435556	75.0000	71.986	
36 2,4-Dichlorophenol	162	8.993	8.993	(0.982)	326284	75.0000	72.897	
38 1,2,4-Trichlorobenzene	180	9.095	9.095	(0.994)	357316	75.0000	71.759	
39 Benzoic Acid	122	8.993	8.993	(0.982)	102756	75.0000	78.876	
41 Naphthalene	128	9.187	9.187	(1.004)	1166144	75.0000	72.048	
42 4-Chloroaniline	127	9.338	9.338	(1.020)	490893	75.0000	73.703	
43 2,6-Dichlorophenol	162	9.343	9.343	(1.021)	320372	75.0000	72.162	
44 Hexachloropropene	213	9.365	9.365	(1.023)	229457	75.0000	76.933	
45 Hexachlorobutadiene	225	9.462	9.462	(1.034)	207993	75.0000	70.855	
46 N-Nitroso-di-n-butylamine	84	9.883	9.883	(1.080)	262126	75.0000	72.468	
47 4-Chloro-3-Methylphenol	107	10.131	10.131	(1.107)	357305	75.0000	72.204	
48 Safrole	162	10.158	10.158	(1.110)	304491	75.0000	72.547	
49 2-Methylnaphthalene	142	10.277	10.277	(1.123)	773732	75.0000	72.629	
50 Hexachlorocyclopentadiene	237	10.622	10.622	(0.888)	63024	75.0000	66.945	
51 1,2,4,5-Tetrachlorobenzene	216	10.606	10.606	(0.887)	350365	75.0000	73.908	
52 2,4,6-Trichlorophenol	196	10.795	10.795	(0.903)	218461	75.0000	75.108	
53 2,4,5-Trichlorphenol	196	10.870	10.870	(0.909)	231202	75.0000	74.259	
55 2-Chloronaphthalene	127	11.048	11.048	(0.924)	282005	75.0000	73.269	
56 Isosafrole	162	10.973	10.973	(0.917)	287176	75.0000	71.037	
57 2-Nitroaniline	65	11.307	11.307	(0.945)	218227	75.0000	73.136	
58 1,4-Naphthoquinone	158	11.367	11.367	(0.950)	265321	75.0000	73.651	
59 Dimethylphthalate	163	11.626	11.626	(0.972)	768056	75.0000	71.914	
60 2,6-Dinitrotoluene	165	11.744	11.744	(0.982)	189379	75.0000	73.346	
61 1,3-Dinitrobenzene	168	11.685	11.685	(0.977)	142742	75.0000	73.666	
62 Acenaphthylene	152	11.717	11.717	(0.980)	1166823	75.0000	72.980	
63 3-Nitroaniline	138	11.976	11.976	(1.001)	211320	75.0000	74.106	
65 Acenaphthene	153	12.014	12.014	(1.004)	692848	75.0000	72.392	
66 2,4-Dinitrophenol	184	12.149	12.149	(1.016)	93247	75.0000	76.037	
67 Dibenzofuran	168	12.262	12.262	(1.025)	966575	75.0000	72.178	
68 4-Nitrophenol	109	12.327	12.327	(1.031)	89357	75.0000	69.650	
69 Pentachlorobenzene	250	12.300	12.300	(1.028)	286842	75.0000	73.180	
70 2,4-Dinitrotoluene	165	12.381	12.381	(1.035)	249894	75.0000	73.475	
72 2,3,4,6-tetrachlorophenol	232	12.559	12.559	(1.050)	181689	75.0000	77.404	
74 Diethylphthalate	149	12.748	12.748	(1.066)	753882	75.0000	72.040	
75 4-Chlorophenyl-phenylether	204	12.807	12.807	(1.071)	371031	75.0000	71.291	
76 Fluorene	166	12.813	12.813	(1.071)	748387	75.0000	72.100	
77 5-Nitro-o-toluidine	152	12.931	12.931	(1.081)	239017	75.0000	73.472	
78 4,6-Dinitro-2-methylphenol	198	13.034	13.034	(0.911)	141304	75.0000	76.110	
79 4-Nitroaniline	138	12.980	12.980	(1.085)	209081	75.0000	75.867	
80 N-Nitrosodiphenylamine/DPA	169	13.039	13.039	(1.090)	684719	75.0000	71.956	
81 Azobenzene	77	13.066	13.066	(0.914)	859580	75.0000	78.670	
82 Diallate #1	234	13.525	13.525	(0.946)	125726	75.0000		
84 4-Bromophenyl-phenylether	248	13.579	13.579	(0.949)	221869	75.0000	72.228	
85 Phenacetin	108	13.617	13.617	(0.952)	393708	75.0000	74.395	
86 Diallate #2	234	13.654	13.654	(0.955)	27243	75.0000		
87 Hexachlorobenzene	284	13.816	13.816	(0.966)	223455	75.0000	73.600	
88 1,3,5-Trinitrobenzene	75	13.638	13.638	(0.954)	202089	75.0000	79.218	

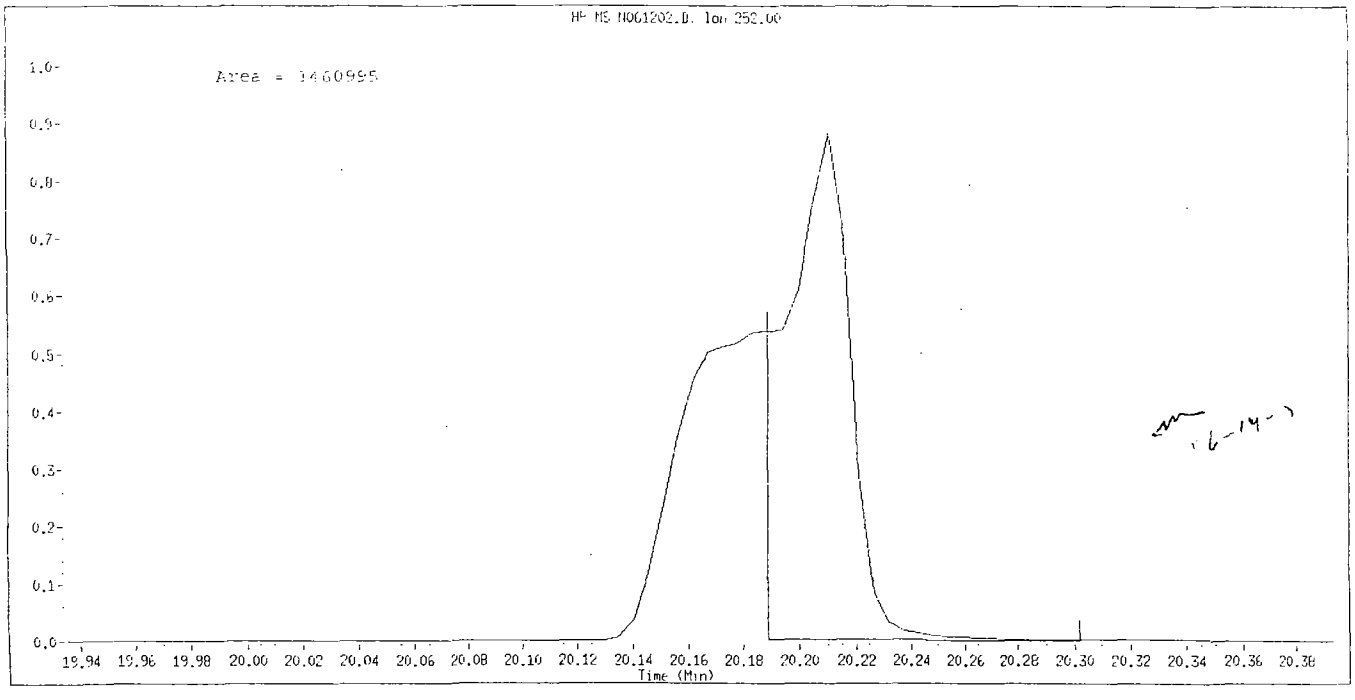
Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 3
Report Date: 14-Jun-2007 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
90 Pentachlorophenol	266	14.135	14.135	(0.988)	100291	75.0000	84.866	
91 Pronamide	173	14.189	14.189	(0.992)	330571	75.0000	72.806	
92 Pentachloronitrobenzene	295	14.243	14.242	(0.996)	42255	75.0000	73.734	
94 Phenanthrene	178	14.345	14.345	(1.003)	1129487	75.0000	73.000	
95 Anthracene	178	14.415	14.415	(1.008)	1115663	75.0000	72.124	
96 Dinoseb	211	14.421	14.421	(1.008)	195434	75.0000	76.632	
97 Carbazole	167	14.701	14.701	(1.028)	1082248	75.0000	73.672	
98 Di-n-Butylphthalate	149	15.316	15.316	(1.071)	1219630	75.0000	71.834	
101 Isodrin	193	16.001	16.001	(1.119)	118038	75.0000	69.457	
102 Fluoranthene	202	16.244	16.244	(1.136)	1241845	75.0000	73.002	
103 Benzidine	184	16.492	16.492	(0.889)	699351	75.0000	89.272	
104 Pyrene	202	16.606	16.606	(0.895)	1279759	75.0000	66.300	
106 4-Dimethylaminoazobenzene	120	17.124	17.124	(0.923)	343122	75.0000	68.018	
107 Chlorobenzilate	251	17.194	17.194	(0.927)	361540	75.0000	68.030	
109 3,3'-Dimethylbenzidine	212	17.663	17.663	(0.952)	744018	75.0000	72.541	
110 Butylbenzylphthalate	149	17.701	17.701	(0.954)	560303	75.0000	67.596	
111 2-Acetylaminofluorene	181	18.122	18.122	(0.977)	564535	75.0000	76.426	
112 3,3'-Dichlorobenzidine	252	18.527	18.527	(0.999)	454331	75.0000	72.005	
113 Benzo(a)anthracene	228	18.527	18.527	(0.999)	1192434	75.0000	68.547	
115 bis(2-Ethylhexyl)phthalate	149	18.624	18.624	(1.004)	756789	75.0000	69.210	
116 Chrysene	228	18.597	18.597	(1.002)	1172704	75.0000	72.839	
117 Di-n-octylphthalate	149	19.552	19.552	(0.945)	1299723	75.0000	66.097	
118 7,12-Dimethylbenz(a)anthracen	256	20.183	20.183	(0.975)	539931	75.0000	68.347	
119 Benzo(b)fluoranthene	252	20.194	20.194	(0.976)	1373342	75.0000	70.292(M)	SP
120 Benzo(k)fluoranthene	252	20.210	20.210	(0.977)	1467690	75.0000	72.753	
121 Benzo(a)pyrene	252	20.620	20.620	(0.996)	1238142	75.0000	70.567	
123 3-MethylCholanthrene	268	21.111	21.111	(1.020)	604307	75.0000	71.935	
125 Indeno(1,2,3-cd)pyrene	276	22.244	22.244	(1.075)	1322286	75.0000	69.267	
126 Dibenz(a,h)anthracene	278	22.244	22.244	(1.075)	1082081	75.0000	69.689	
127 Benzo(g,h,i)perylene	276	22.665	22.665	(1.095)	1146769	75.0000	72.174	
M 176 Diallate (total)	234				152969	75.0000	71.878	

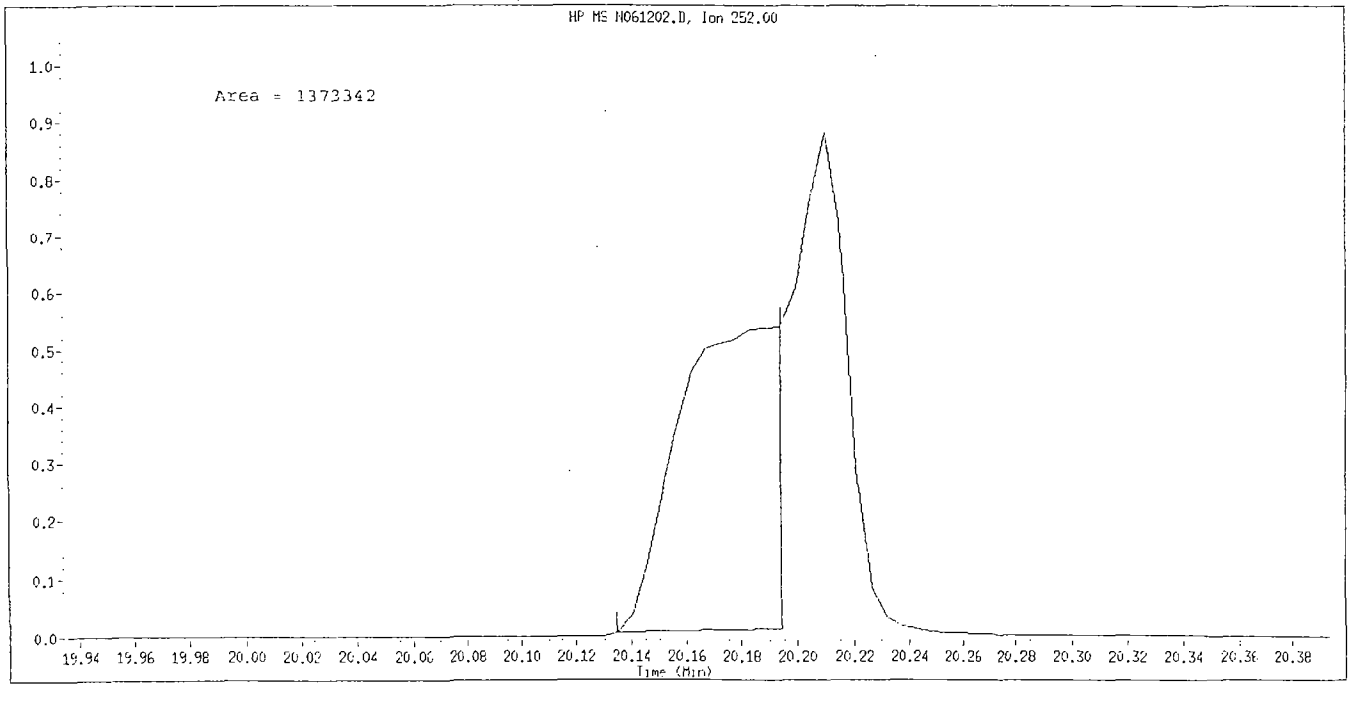
QC Flag Legend

M - Compound response manually integrated.

Data File Name: N061202.D
Inj. Date and Time: 11-JUN-2007 08:04
Instrument ID: MSN1.1
Client ID: HSL_075
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 06/14/2007



Original Integration



Manual Integration

Manually Integrated By: MalloyM
Manual Integration Reason: Split Peak ✓ MISD Mis identified peak

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\N061202.D

Date : 12-JUN-2007 08:04

Client ID: HSL_075

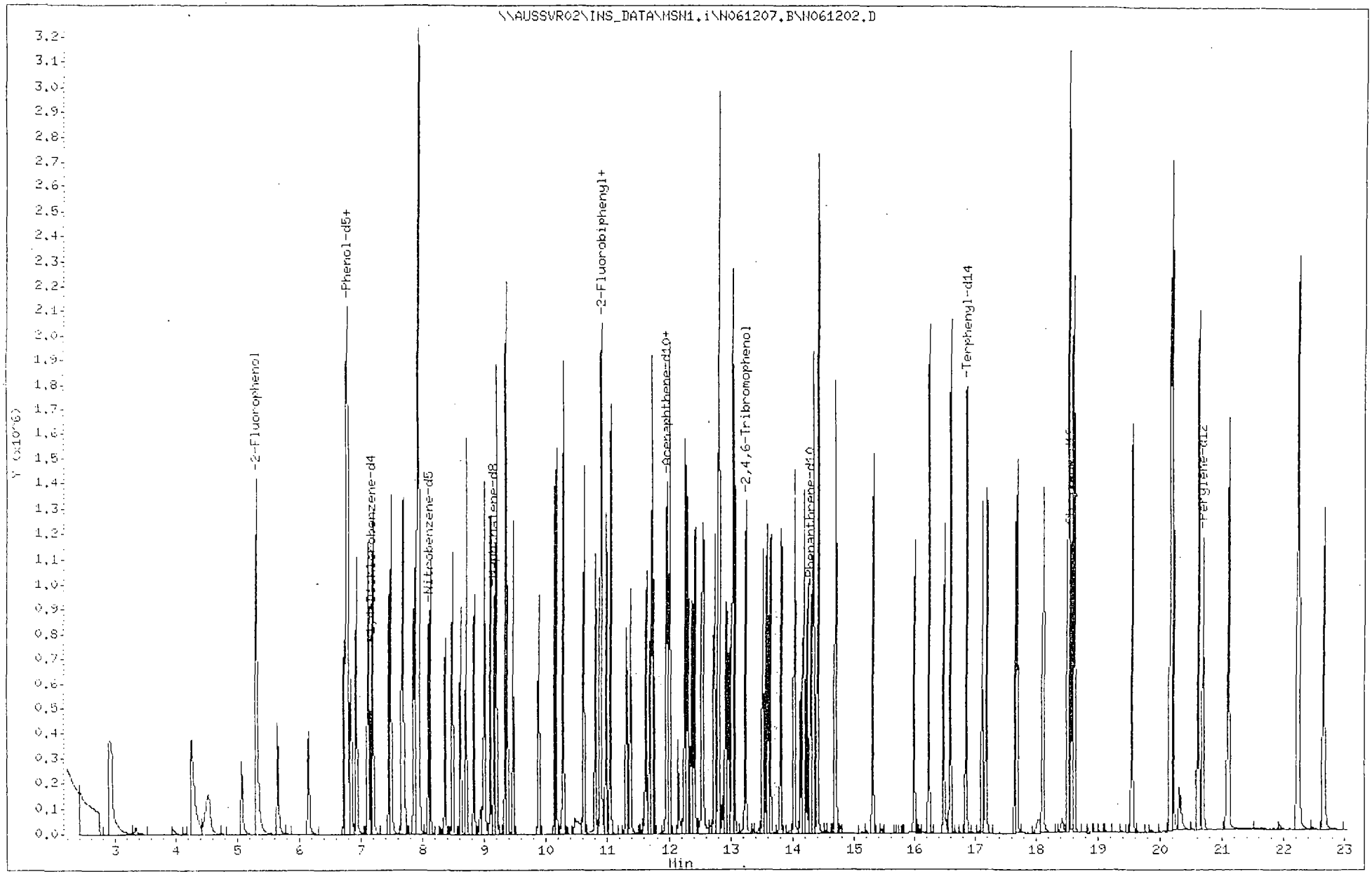
Sample Info: Coalib_4:HSL_075;;2;4;3;;;; SNHSLCCV00017

Column phase: RtxS-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 1
Report Date: 13-Jun-2007 10:37

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D
Lab Smp Id: Ccalib_4 Client Smp ID: APPIX_075
Inj Date : 12-JUN-2007 08:56
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;APPIX_075;;2;4;3;;;; SMAP9CCV00013
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 MSN1.i Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	140859	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	544459	40.0000		REV
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	311266	40.0000		REV
* 93 Phenanthrene-d10	188	14.303	14.303	(1.000)	544939	40.0000		REV
* 114 Chrysene-d12	240	18.544	18.544	(1.000)	517390	40.0000		REV
* 122 Perylene-d12	264	20.691	20.691	(1.000)	504943	40.0000		REV
26 N-Nitrosomorpholine	56	7.893	7.893	(1.102)	212233	75.0000	77.461	REV
37 a,a-Dimethylphenethylamine	58	9.064	9.064	(0.991)	681286	75.0000	74.942	REV
71 1-Naphthylamine	143	12.414	12.414	(1.038)	622893	75.0000	73.624	REV
73 2-Naphthylamine	143	12.533	12.533	(1.048)	576351	75.0000	68.373	REV
89 4-Aminobiphenyl	169	14.033	14.033	(0.981)	734469	75.0000	71.687	REV
99 4-Nitroquinoline-1-oxide	190	15.657	15.657	(1.095)	19132	75.0000	55.017	REV
100 Methapyrilene	58	15.776	15.776	(1.103)	237582	75.0000	63.593	REV
130 N,N-Dimethylformamide	73	3.674	3.674	(0.513)	244600	75.0000	76.893	REV
131 Propyl cellosolve	43	4.062	4.062	(0.567)	347939	75.0000	78.036	REV
132 Acrylamide	55	5.195	5.195	(0.726)	101574	75.0000	82.259	REV
136 o,o,o-Triethylphosphorothioat	198	8.826	8.826	(0.965)	168037	75.0000	71.848	REV
142 p-Phenylenediamine	108	9.895	9.895	(1.081)	336895	75.0000	71.235	REV
143 1-Methylnaphthalene	142	10.445	10.445	(1.142)	610835	75.0000	72.419	REV
146 Biphenyl	154	11.028	11.028	(0.922)	760887	75.0000	73.069	REV
149 Diphenyl ether	170	11.206	11.206	(0.937)	430224	75.0000	74.206	REV
150 1,4-Dinitrobenzene	168	11.486	11.486	(0.961)	107411	75.0000	77.472	REV
151 Dimethyl terephthalate	194	11.994	11.994	(1.003)	128215	75.0000	77.135	REV
153 2,3,5,6-Tetrachlorophenol	232	12.485	12.485	(1.044)	151111	75.0000	80.285	REV
154 Thionazin	97	12.868	12.868	(1.076)	144566	75.0000	77.734	REV
155 Sulfotepp	97	13.423	13.423	(0.939)	101626	75.0000	72.995	REV
156 Phorate	75	13.542	13.542	(0.947)	366838	75.0000	72.921	REV
157 Dimethoate	87	13.866	13.866	(0.969)	194409	75.0000	69.960	REV
158 Disulfoton	88	14.368	14.368	(1.005)	306846	75.0000	73.337	REV
159 Methyl parathion	109	14.988	14.988	(1.048)	167976	75.0000	71.091	REV
160 Parathion	109	15.614	15.614	(1.092)	128119	75.0000	73.579	REV
161 Aramite #1	185	16.860	16.860	(0.909)	47322	75.0000		REV
162 Aramite #2	185	16.984	16.984	(0.916)	82342	75.0000		REV

6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 2
Report Date: 13-Jun-2007 10:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
163 Famphur	218	17.637	17.637	(0.951)	26714	75.0000	192.66(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.506	18.506	(0.998)	94588	75.0000	73.596	REV
167 Dibenz(a,j)acridine	279	21.927	21.927	(1.060)	863140	75.0000	80.652	REV
173 1-Methyl-2-pyrrolidone	99	7.537	7.537	(1.052)	218645	75.0000	75.285	REV
M 177 Aramite (total)	185				129664	75.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061203.D

Date : 12-JUN-2007 08:56

Client ID: APPIX_075

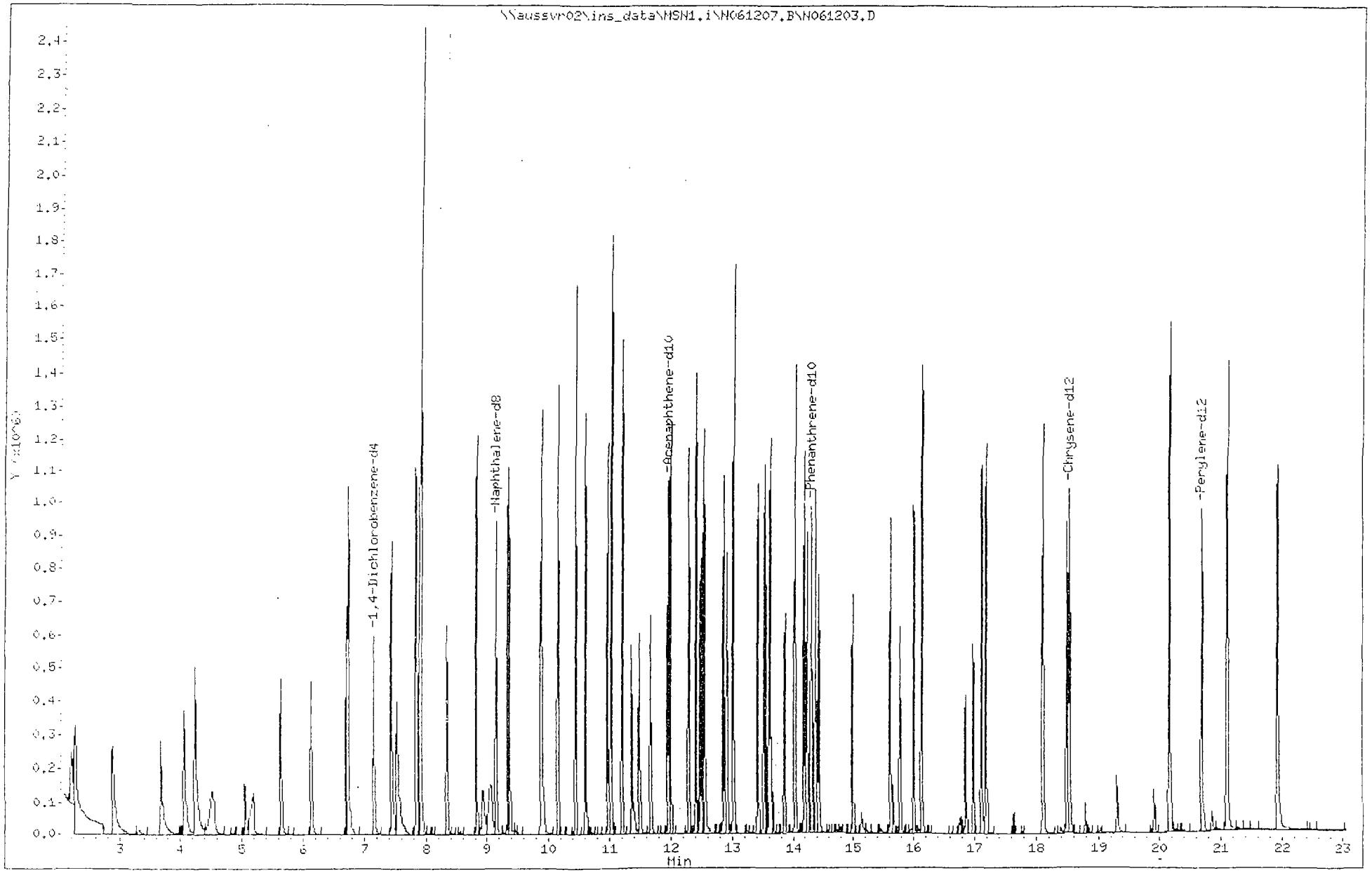
Sample Info: Coslib_4:APPIX_075;;2:4;3:;;; SNAP9CCW00013

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D
Lab Smp Id: J0FF11AAB Client Smp ID: I7F060000-509
Inj Date : 12-JUN-2007 12:52
Operator : malloym Inst ID: MSN1.i
Smp Info : J0FF11AAB;I7F060000-509;1;0;;1;1000;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

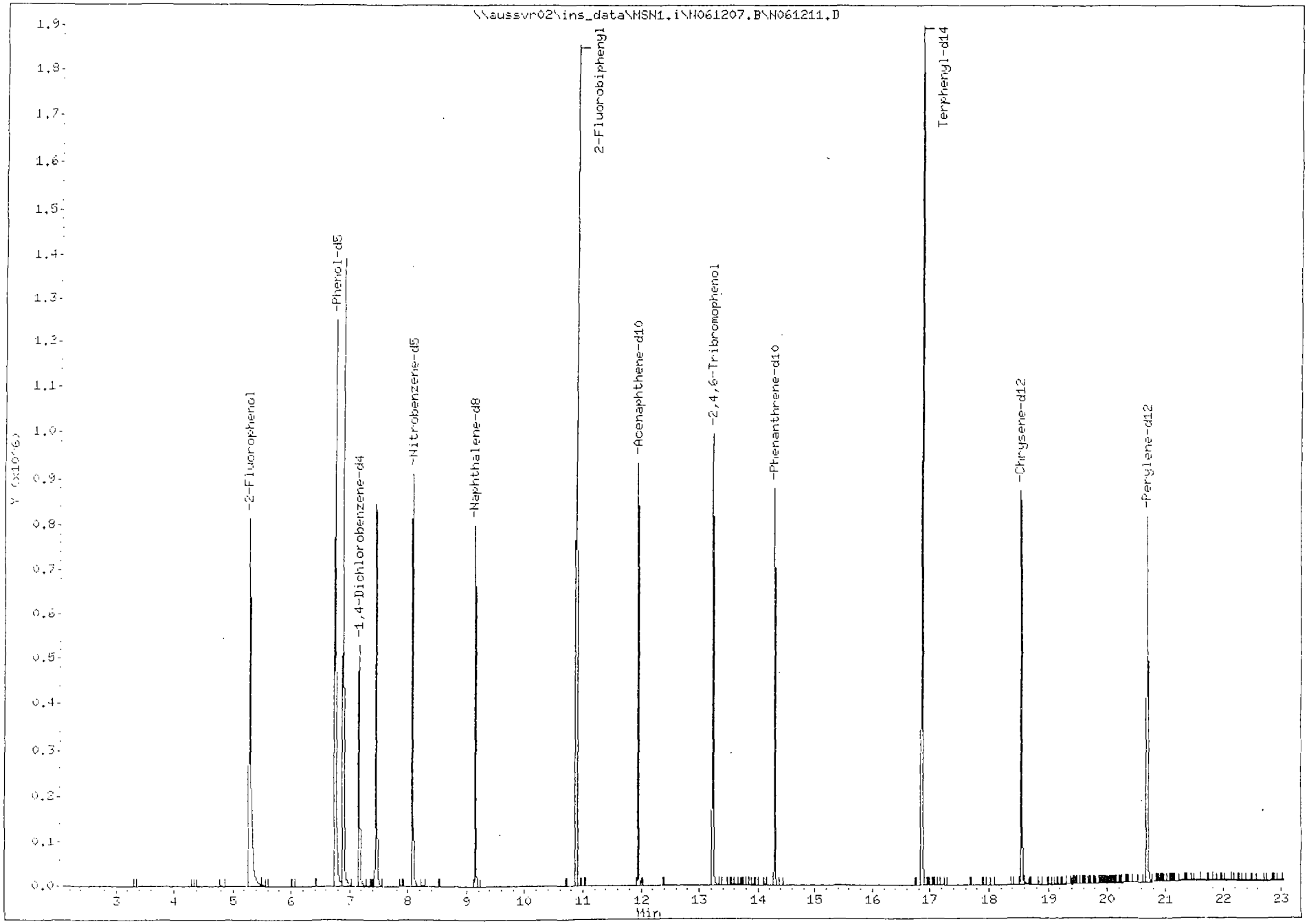
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	123413	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	480177	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	273922	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	474770	40.0000		REV
* 114 Chrysene-d12	240	18.538	18.544	(1.000)	468590	40.0000		REV
* 122 Perylene-d12	264	20.686	20.691	(1.000)	437367	40.0000		REV
$ 6 2-Fluorophenol	112	5.287	5.302	(0.738)	497282	114.762	114.76	REV
$ 12 Phenol-d5	99	6.749	6.764	(0.943)	652766	123.968	123.97	REV
$ 82 2,4,6-Tribromophenol	330	13.234	13.244	(0.926)	145314	142.954	142.95	REV
$ 29 Nitrobenzene-d5	82	8.076	8.092	(0.883)	377118	82.9363	82.936	REV
$ 54 2-Fluorobiphenyl	172	10.887	10.892	(0.911)	763568	83.3225	83.322	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	935975	96.3421	96.342	REV
18 1,2-Dichlorobenzene	146	7.472	7.477	(1.044)	502	0.10670	0.10670(aQ)	REV
146 Biphenyl	154	11.028	11.028	(0.923)	1012	0.11043	0.11043(a)	REV

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D
Date : 12-JUN-2007 12:52

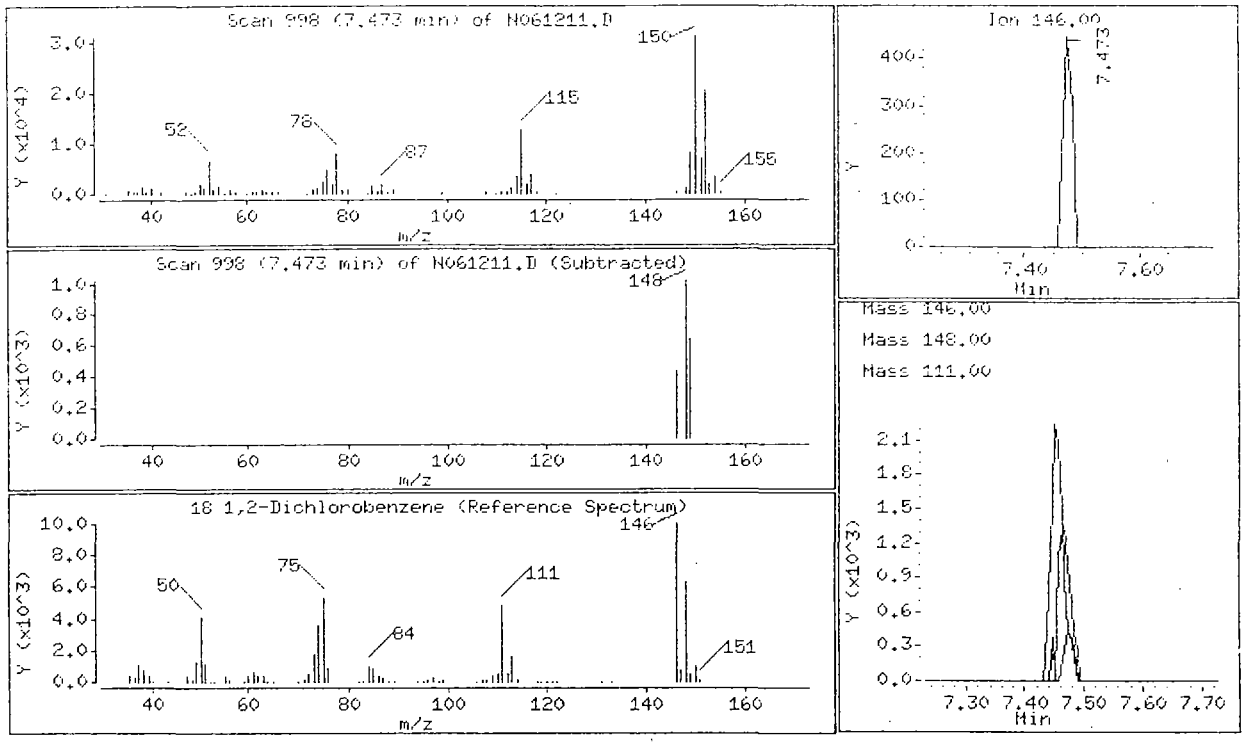
Sample Info: J0FF11AAB;I7F060000-509;1;0;;1;1000;;1000



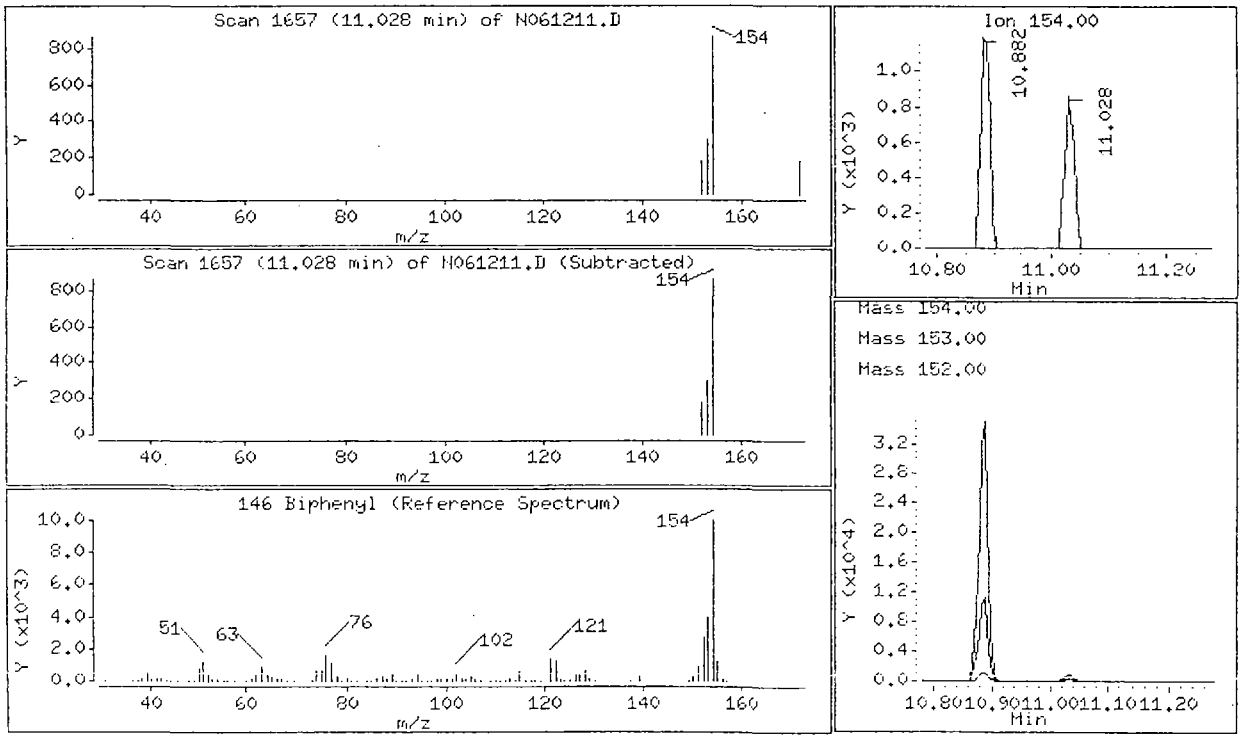
Data File: \\aussvr02\ms_data\MSN1.1\N061207.B\N061211.D Page 3

Date : 12-JUN-2007 12:52 Sample Info: J0FF11AAB;17F060000-509;1;0;;1;1000;;1000

18 1,2-Dichlorobenzene Concentration: 0.10670 ug/L



146 Biphenyl Concentration: 0.11043 ug/L



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D
Lab Smp Id: J0FF11ACC Client Smp ID: I7F060000-509
Inj Date : 12-JUN-2007 13:21
Operator : malloym Inst ID: MSN1.i
Smp Info : J0FF11ACC;I7F060000-509;1;0;;1;1000;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.165	7.159	(1.000)	120291	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.156	9.150	(1.000)	467622	40.0000		REV
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	262661	40.0000		REV
* 93 Phenanthrene-d10	188	14.292	14.303	(1.000)	463708	40.0000		REV
* 114 Chrysene-d12	240	18.549	18.544	(1.000)	443394	40.0000		REV
* 122 Perylene-d12	264	20.691	20.691	(1.000)	425531	40.0000		REV
$ 6 2-Fluorophenol	112	5.293	5.302	(0.739)	483965	114.587	114.59	REV
$ 12 Phenol-d5	99	6.760	6.764	(0.944)	641432	124.977	124.98	REV
$ 82 2,4,6-Tribromophenol	330	13.240	13.244	(0.926)	142666	143.697	143.70	REV
$ 29 Nitrobenzene-d5	82	8.087	8.092	(0.883)	371322	83.8541	83.854	REV
$ 54 2-Fluorobiphenyl	172	10.893	10.892	(0.911)	749814	85.3296	85.330	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	853101	92.8016	92.802	REV
1 Pyridine	79	2.902	2.896	(0.405)	298171	71.9541	71.954	REV
2 N-Nitrosodimethylamine	74	2.940	2.934	(0.410)	195463	81.4873	81.487	REV
4 N-Nitrosomethylethylamine	88	4.532	4.525	(0.633)	155782	70.9419	70.942	REV
7 N-Nitrosodiethylamine	102	5.643	5.642	(0.788)	160541	75.3891	75.389	REV
9 Pentachloroethane	117	6.717	6.716	(0.937)	111893	75.4143	75.414	REV
10 Aniline	93	6.749	6.748	(0.942)	427976	65.8659	65.866	REV
11 bis(2-Chloroethyl)ether	93	6.841	6.835	(0.955)	316797	74.4526	74.452	REV
13 Phenol	94	6.776	6.786	(0.946)	462240	76.0065	76.006	REV
14 2-Chlorophenol	128	6.917	6.921	(0.965)	346585	76.4181	76.418	REV
15 1,3-Dichlorobenzene	146	7.105	7.104	(0.992)	348659	73.1591	73.159	REV

6/14/7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D Page 2
Report Date: 13-Jun-2007 10:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
16 1,4-Dichlorobenzene	146	7.186	7.191	(1.003)	363247	73.5317	73.532	REV
18 1,2-Dichlorobenzene	146	7.478	7.477	(1.044)	338890	73.9006	73.901	REV
19 Benzyl Alcohol	108	7.446	7.450	(1.039)	224787	79.6545	79.654	REV
20 bis(2-Chloroisopropyl)ether	45	7.656	7.655	(1.069)	371224	75.3344	75.334	REV
21 2-Methylphenol	108	7.672	7.671	(1.071)	293530	73.9714	73.971	REV
22 Acetophenone	105	7.850	7.854	(1.096)	454893	78.1238	78.124	REV
23 N-Nitroso-di-n-propylamine	70	7.893	7.903	(1.102)	229169	79.7269	79.727	REV
24 N-Nitrosopyrrolidine	100	7.877	7.887	(1.099)	165811	79.7412	79.741	REV
25 3-(and/or 4-)Methylphenol	108	7.899	7.914	(1.102)	308586	72.8593	72.859(Q)	REV
28 Hexachloroethane	117	7.936	7.935	(1.108)	132199	74.8448	74.845	REV
30 Nitrobenzene	77	8.114	8.119	(0.886)	352711	76.5876	76.588	REV
31 N-Nitrosopiperidine	114	8.352	8.361	(0.912)	160706	76.5305	76.530	REV
32 Isophorone	82	8.471	8.475	(0.925)	622134	77.3674	77.367	REV
33 2-Nitrophenol	139	8.611	8.610	(0.940)	189243	79.9631	79.963	REV
34 2,4-Dimethyphenol	107	8.697	8.701	(0.950)	226741	50.4480	50.448	REV
35 Bis(2-chloroethoxy)methane	93	8.821	8.825	(0.963)	367553	79.5555	79.556	REV
36 2,4-Dichlorophenol	162	8.994	8.993	(0.982)	273207	79.9373	79.937	REV
38 1,2,4-Trichlorobenzene	180	9.091	9.095	(0.993)	294722	77.5142	77.514	REV
39 Benzoic Acid	122	8.972	8.993	(0.980)	68441	70.4249	70.425	REV
41 Naphthalene	128	9.188	9.187	(1.004)	946360	76.5719	76.572	REV
42 4-Chloroaniline	127	9.334	9.338	(1.019)	364535	71.6772	71.677	REV
43 2,6-Dichlorophenol	162	9.339	9.343	(1.020)	271274	80.0207	80.021	REV
44 Hexachloropropene	213	9.366	9.365	(1.023)	174943	76.8159	76.816	REV
45 Hexachlorobutadiene	225	9.458	9.462	(1.033)	175097	78.1167	78.117	REV
46 N-Nitroso-di-n-butylamine	84	9.879	9.883	(1.079)	216509	78.3891	78.389	REV
47 4-Chloro-3-Methylphenol	107	10.132	10.131	(1.107)	299524	79.2673	79.267	REV
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	646423	79.4657	79.466	REV
50 Hexachlorocyclopentadiene	237	10.623	10.622	(0.889)	11307	31.2738	31.274	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.607	10.606	(0.887)	300483	81.4043	81.404	REV
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	196807	86.8988	86.899	REV
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	204026	84.1589	84.159	REV
55 2-Chloronaphthalene	127	11.050	11.048	(0.924)	265488	88.5866	88.586	REV
~~56 Isosafrole~~	~~162~~	~~11.050~~	~~10.973~~	~~(0.924)~~	~~601242~~	~~191.006~~	~~191.00(AO)~~	~~REV~~
57 2-Nitroaniline	65	11.298	11.307	(0.945)	181322	78.0426	78.043	REV
59 Dimethylphthalate	163	11.616	11.626	(0.972)	665802	80.0613	80.061	REV
60 2,6-Dinitrotoluene	165	11.740	11.744	(0.982)	158068	78.6222	78.622	REV
62 Acenaphthylene	152	11.713	11.717	(0.980)	962739	77.3330	77.333	REV
63 3-Nitroaniline	138	11.967	11.976	(1.001)	175490	79.0359	79.036	REV
65 Acenaphthene	153	12.010	12.014	(1.004)	593106	79.5874	79.587	REV
66 2,4-Dinitrophenol	184	12.139	12.149	(1.015)	74703	77.8276	77.828	REV
67 Dibenzofuran	168	12.258	12.262	(1.025)	832074	79.7981	79.798	REV
68 4-Nitrophenol	109	12.312	12.327	(1.030)	86202	86.2918	86.292	REV
69 Pentachlorobenzene	250	12.301	12.300	(1.029)	252290	82.6627	82.663	REV
70 2,4-Dinitrotoluene	165	12.366	12.381	(1.034)	214864	81.1353	81.135	REV
72 2,3,4,6-tetrachlorophenol	232	12.549	12.559	(1.050)	157331	86.0807	86.081	REV
74 Diethylphthalate	149	12.738	12.748	(1.065)	670288	82.2600	82.260	REV
75 4-Chlorophenyl-phenylether	204	12.808	12.807	(1.071)	326467	80.5607	80.561	REV
76 Fluorene	166	12.808	12.813	(1.071)	642712	79.5214	79.521	REV
78 4,6-Dinitro-2-methylphenol	198	13.024	13.034	(0.911)	119748	83.7216	83.722	REV
79 4-Nitroaniline	138	12.965	12.980	(1.084)	172914	80.5805	80.580	REV
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	479312	64.6894	64.689	REV
81 Azobenzene	77	13.062	13.066	(0.914)	708234	84.4713	84.471	REV
84 4-Bromophenyl-phenylether	248	13.580	13.579	(0.950)	192995	81.8769	81.877	REV
87 Hexachlorobenzene	284	13.812	13.816	(0.966)	192174	82.4871	82.487	REV

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D Page 3
Report Date: 13-Jun-2007 10:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
88 ~~1,2,4-Trichlorobenzene~~	~~75~~	~~13.577~~	~~13.638~~	~~(0.950)~~	~~80541~~	~~15.3872~~	~~15.387(Q)~~	REV
90 Pentachlorophenol	266	14.125	14.135	(0.988)	88588	96.3908	96.391	REV
94 Phenanthrene	178	14.335	14.345	(1.003)	971472	81.8234	81.823	REV
95 Anthracene	178	14.406	14.415	(1.008)	929982	78.3485	78.348	REV
96 Dinoseb	211	14.416	14.421	(1.009)	166036	84.5088	84.509	REV
97 Carbazole	167	14.697	14.701	(1.028)	934571	82.9083	82.908	REV
98 Di-n-Butylphthalate	149	15.312	15.316	(1.071)	1048435	80.4597	80.460	REV
102 Fluoranthene	202	16.245	16.244	(1.137)	1055389	80.8511	80.851	REV
103 Benzidine	184	16.483	16.492	(0.889)	74931	12.8621	12.862	REV
104 Pyrene	202	16.601	16.606	(0.895)	1103411	76.8694	76.869	REV
110 Butylbenzylphthalate	149	17.697	17.701	(0.954)	455676	73.9237	73.924	REV
112 3,3'-Dichlorobenzidine	252	18.517	18.527	(0.998)	305609	65.1313	65.131	REV
113 Benzo(a)anthracene	228	18.522	18.527	(0.999)	971505	75.0983	75.098	REV
115 bis(2-Ethylhexyl)phthalate	149	18.625	18.624	(1.004)	604340	74.3199	74.320	REV
116 Chrysene	228	18.592	18.597	(1.002)	849942	70.9900	70.990	REV
117 Di-n-octylphthalate	149	19.547	19.552	(0.945)	1000959	70.5841	70.584	REV
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1061636	75.3467	75.347	REV
120 Benzo(k)fluoranthene	252	20.195	20.210	(0.976)	1030260	70.8146	70.815	REV
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	940314	74.3131	74.313	REV
125 Indeno(1,2,3-cd)pyrene	276	22.234	22.244	(1.075)	1090373	79.2019	79.202	REV
126 Dibenz(a,h)anthracene	278	22.229	22.244	(1.074)	741866	66.2505	66.250	REV
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	969670	84.6236	84.624	REV
146 Biphenyl	154	11.028	11.028	(0.922)	805173	91.6305	91.630	REV
149 Diphenyl ether	170	11.206	11.206	(0.937)	431213	88.1394	88.139	REV

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D

Date : 12-JUN-2007 13:21

Client ID: I7F060000-509

Instrument: MSN1.i

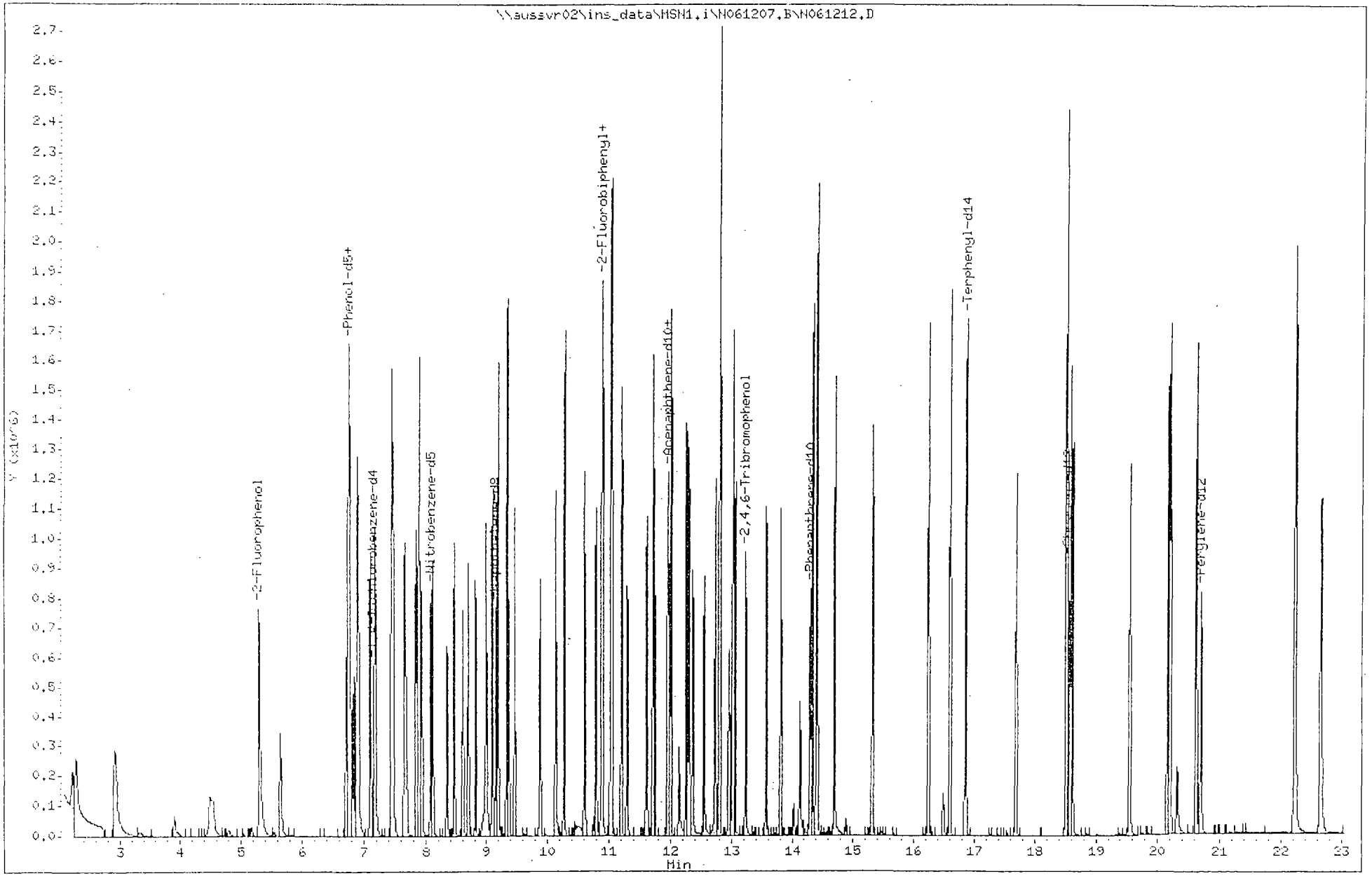
Sample Info: J0FF11ACC;I7F060000-509;1;0;;1;1000;;1000

Volume Injected (uL): 0.5

Operator: mallogm

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D
Lab Smp Id: J0A4E1AC Client Smp ID: OMW27B
Inj Date : 12-JUN-2007 13:50
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.162	7.159	(1.000)	120370	40.0000		REV
* 40 Naphthalene-d8	136	9.147	9.150	(1.000)	466951	40.0000		REV
* 64 Acenaphthene-d10	164	11.953	11.956	(1.000)	269822	40.0000		REV
* 93 Phenanthrene-d10	188	14.289	14.303	(1.000)	463290	40.0000		REV
* 114 Chrysene-d12	240	18.541	18.544	(1.000)	452160	40.0000		REV
* 122 Perylene-d12	264	20.683	20.691	(1.000)	432361	40.0000		REV
$ 6 2-Fluorophenol	112	5.289	5.302	(0.739)	483630	114.433	108.98	REV
$ 12 Phenol-d5	99	6.762	6.764	(0.944)	649219	126.411	120.39	REV
$ 82 2,4,6-Tribromophenol	330	13.231	13.244	(0.926)	150636	151.861	144.63	REV
$ 29 Nitrobenzene-d5	82	8.079	8.092	(0.883)	363435	82.1910	78.277	REV
$ 54 2-Fluorobiphenyl	172	10.884	10.892	(0.911)	733524	81.2603	77.391	REV
$ 105 Terphenyl-d14	244	16.863	16.865	(0.909)	886932	94.6113	90.106	REV
22 Acetophenone	105	7.863	7.854	(1.098)	1097	0.18828	0.17931(a)	REV
25 3-(and/or 4-)Methylphenol	108	7.933	7.914	(1.108)	799	0.18853	0.17955(aQ)	REV
39 Benzoic Acid	122	8.947	8.993	(0.978)	3196	15.4084	14.675	REV
98 Di-n-Butylphthalate	149	15.303	15.316	(1.071)	4282	0.32891	0.31325(a)	REV
110 Butylbenzylphthalate	149	17.688	17.701	(0.954)	1101	0.17515	0.16681(aQ)	REV
115 bis(2-Ethylhexyl)phthalate	149	18.616	18.624	(1.004)	5506	0.66398	0.63236(a)	REV
146 Biphenyl	154	11.025	11.028	(0.922)	1164	0.12895	0.12281(a)	REV
174 Caprolactam	113	9.870	9.850	(1.079)	2757	2.14687	2.0446(a)	REV

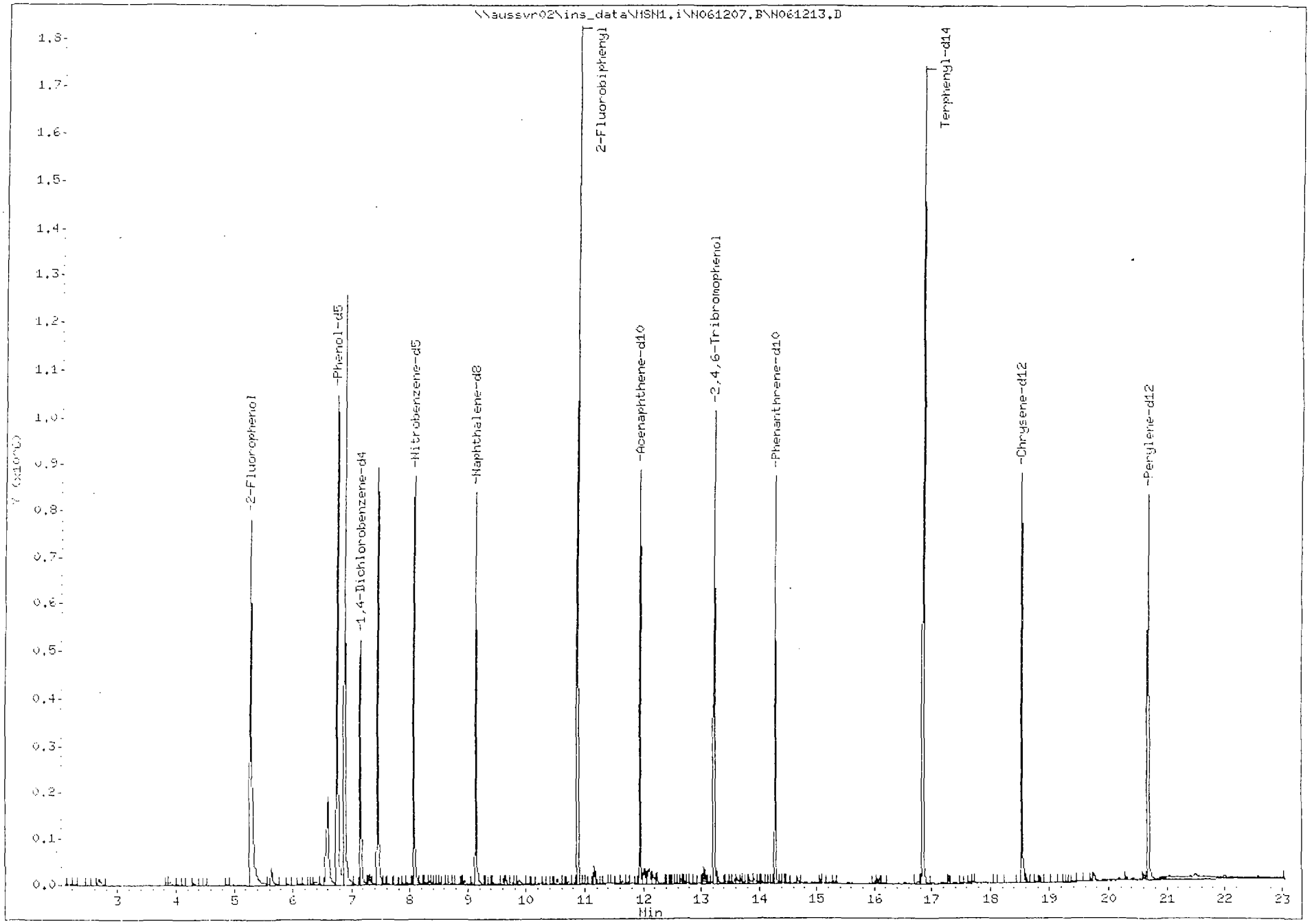
6/14-7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D
Date : 12-JUN-2007 13:50

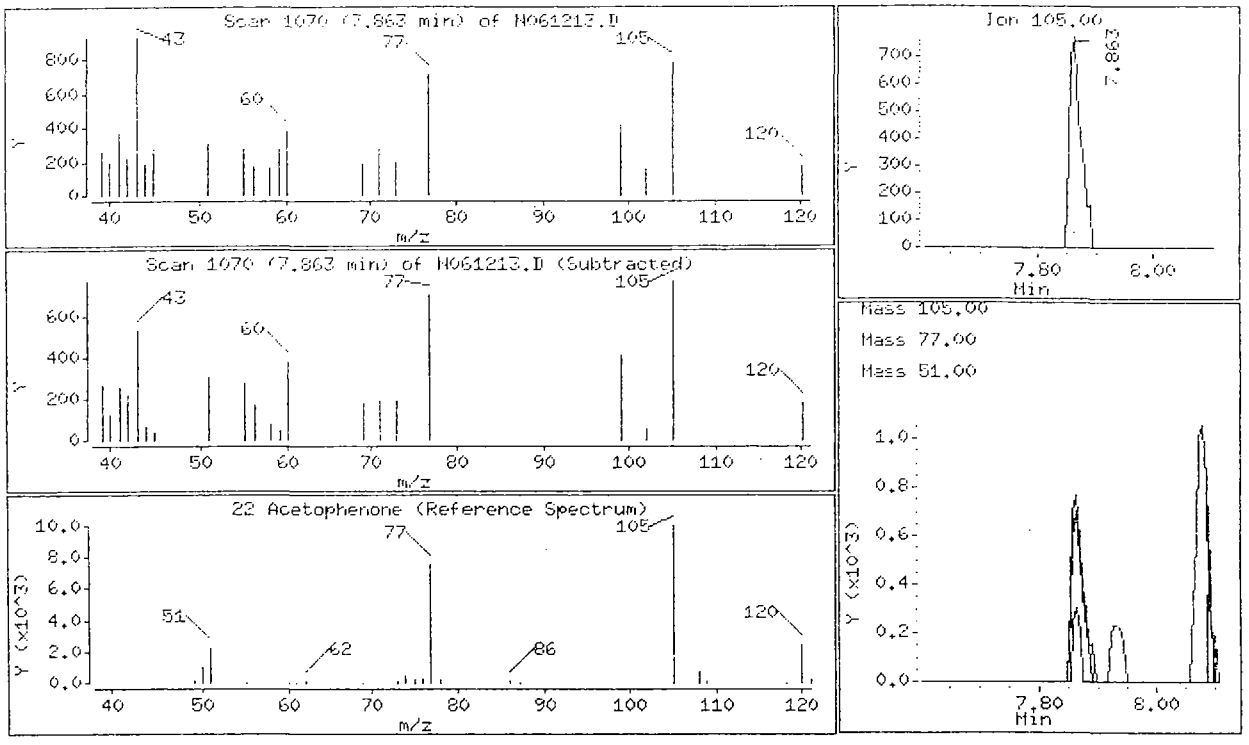
Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000



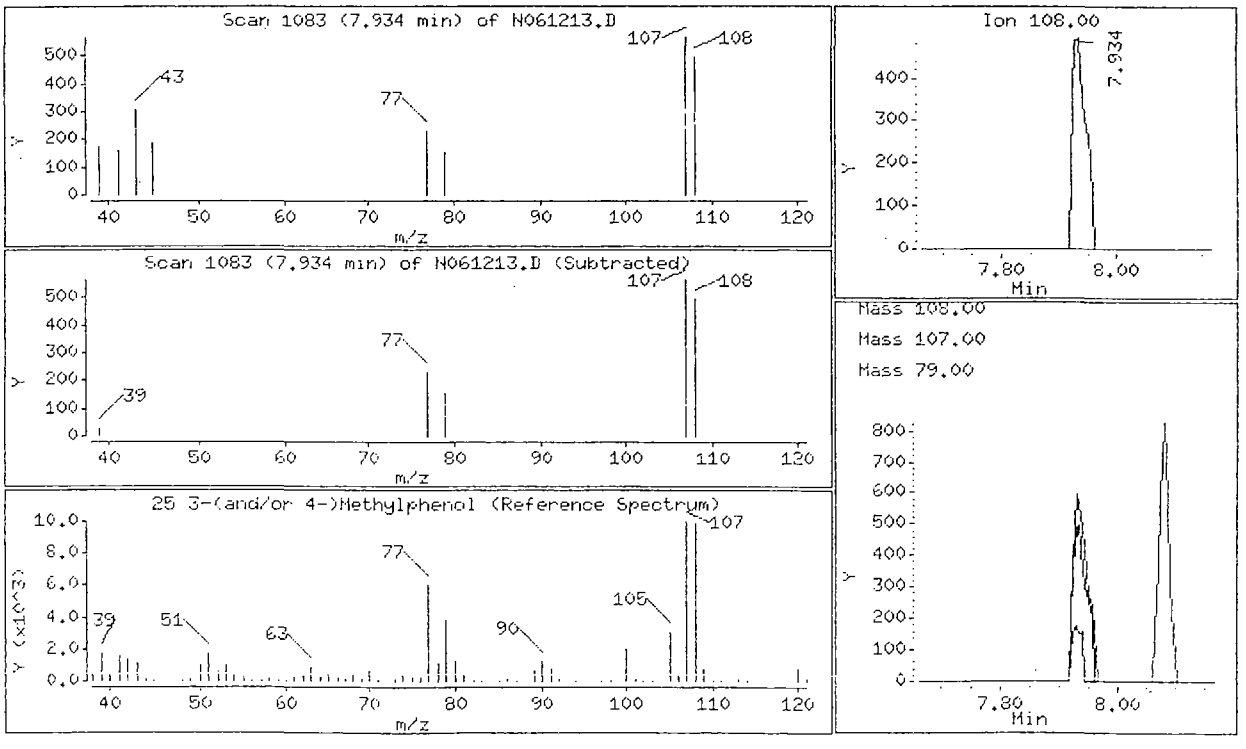
Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061213.D Page 4

Date : 12-JUN-2007 13:50 Sample Info: J0A4E1AC;I7F050254-01:1;0;;1:1050;;1000

22 Acetophenone Concentration: 0.17931 ug/L



25 3-(and/or 4-)Methylphenol Concentration: 0.17955 ug/L



Data File: \\aussvr02\ms_data\MSN1.1\N061207.B\N061213.D

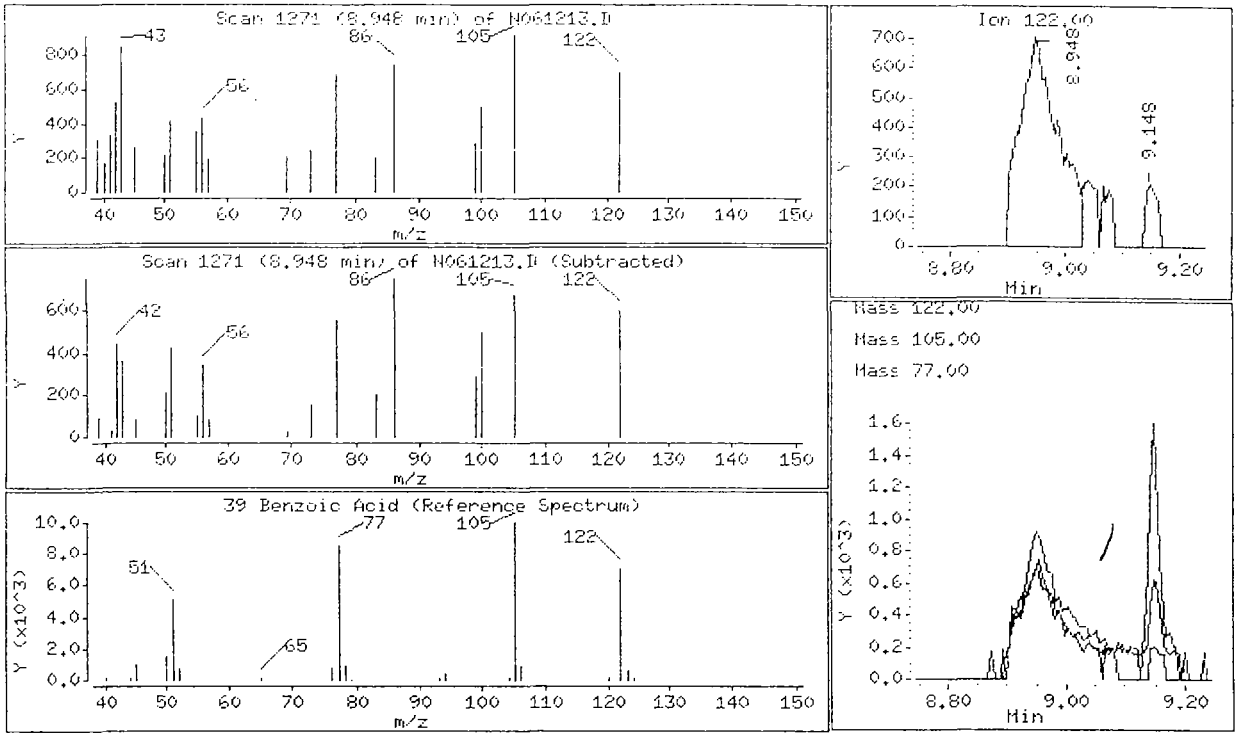
Page 5

Date : 12-JUN-2007 13:50

Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000

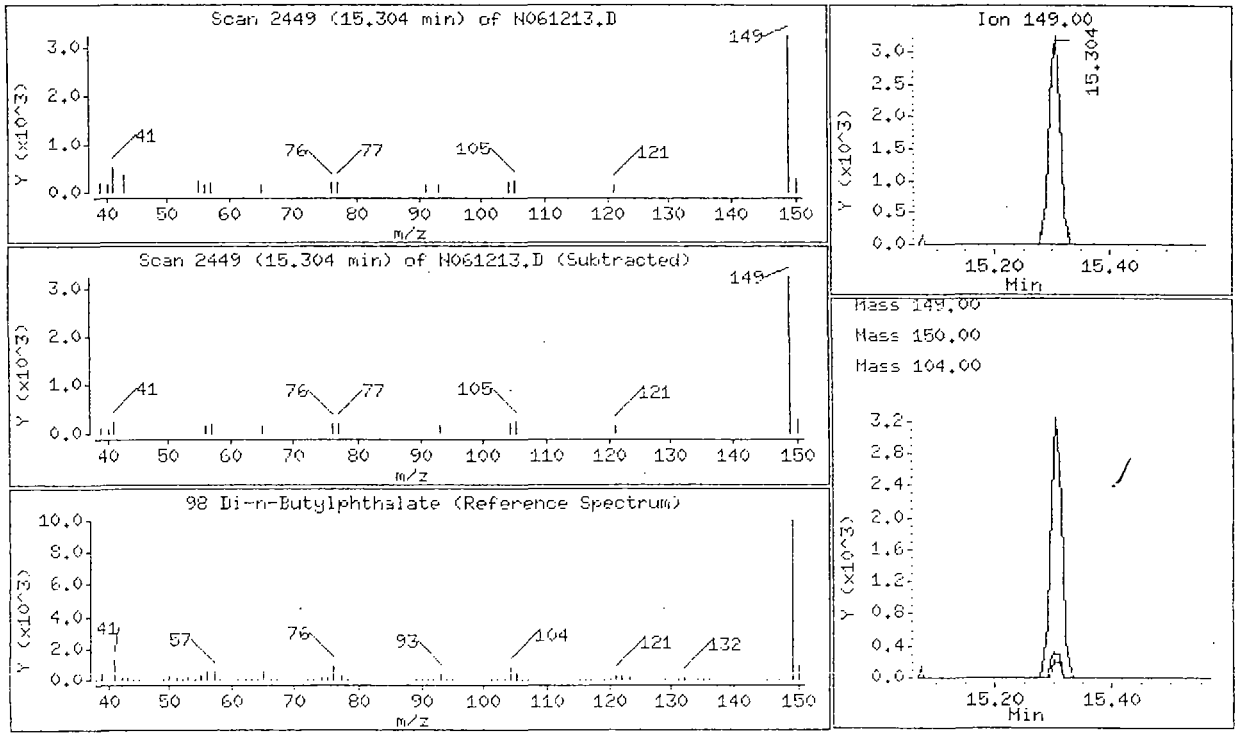
39 Benzoic Acid

Concentration: 14.675 ug/L



98 Di-n-Butylphthalate

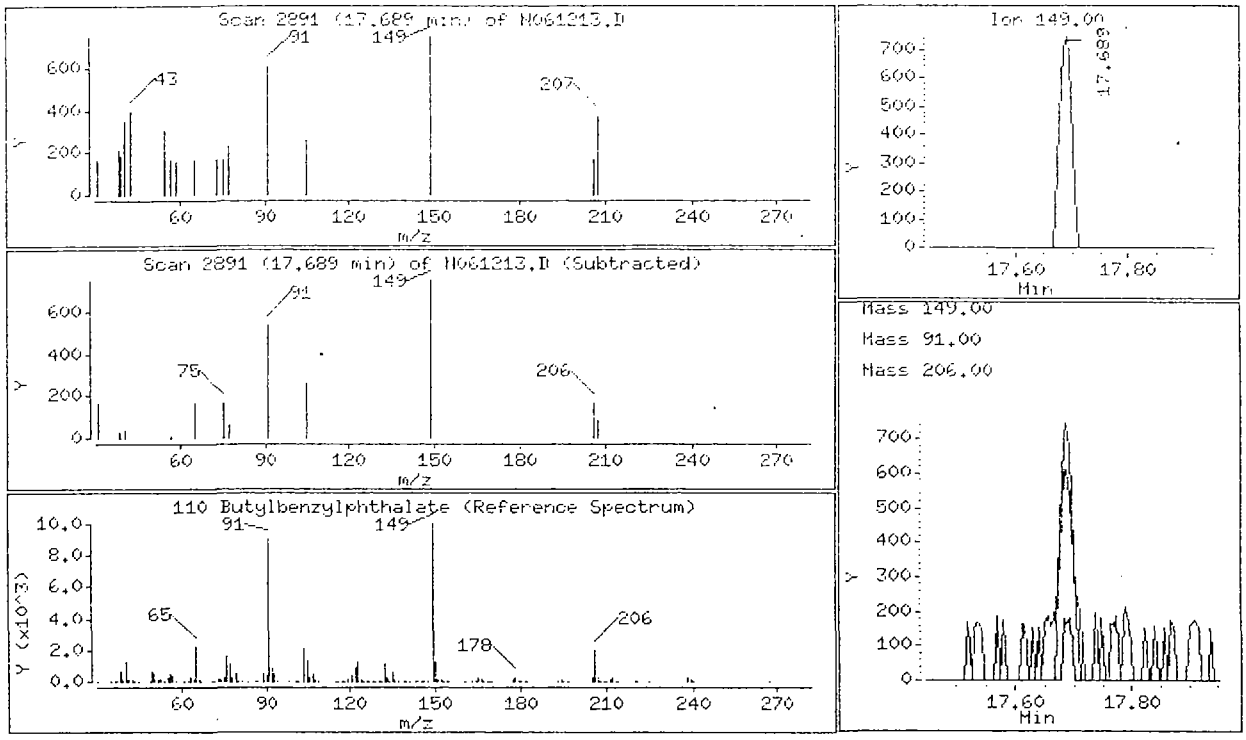
Concentration: 0.31325 ug/L



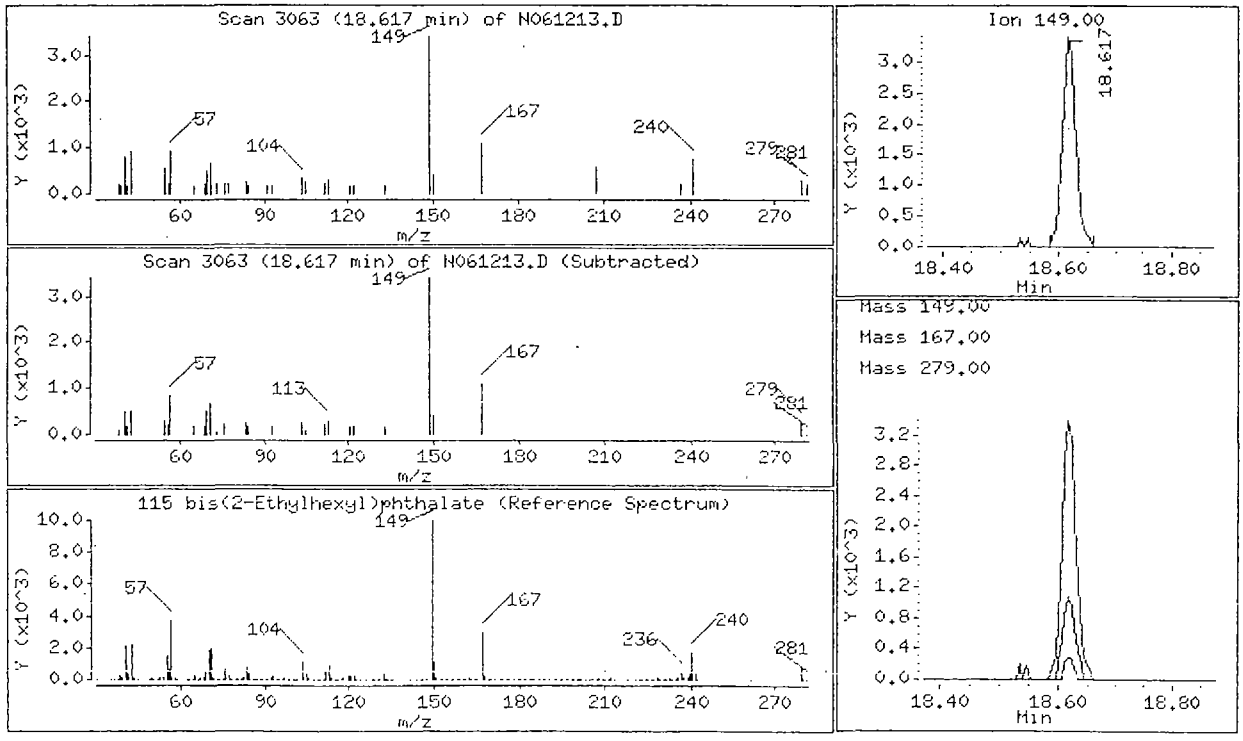
Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D Page 6

Date : 12-JUN-2007 13:50 Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000

110 Butylbenzylphthalate Concentration: 0.16681 ug/L



115 bis(2-Ethylhexyl)phthalate Concentration: 0.63236 ug/L



Data File: \\ausswr02\ms_data\MSN1.i\N061207.B\N061213.D

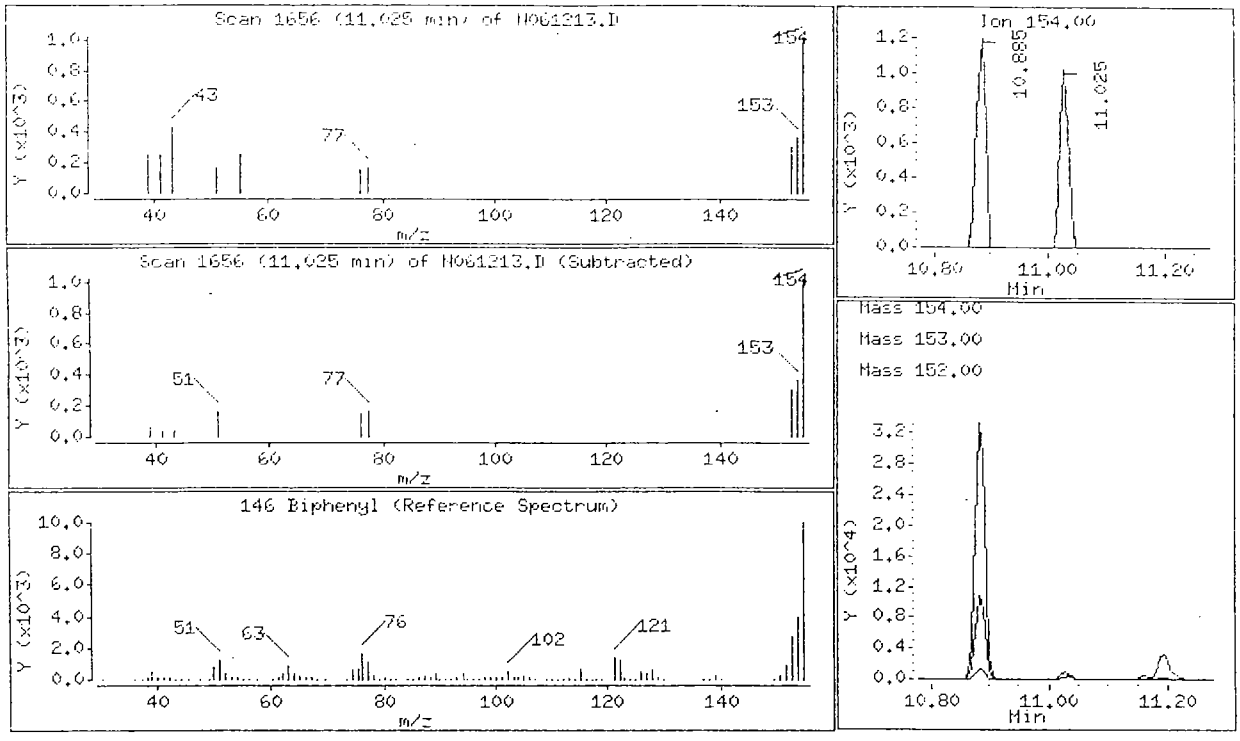
Page 7

Date : 12-JUN-2007 13:50

Sample Info: J0R4E1AC;I7F050254-01;1;0;;1;1050;;1000

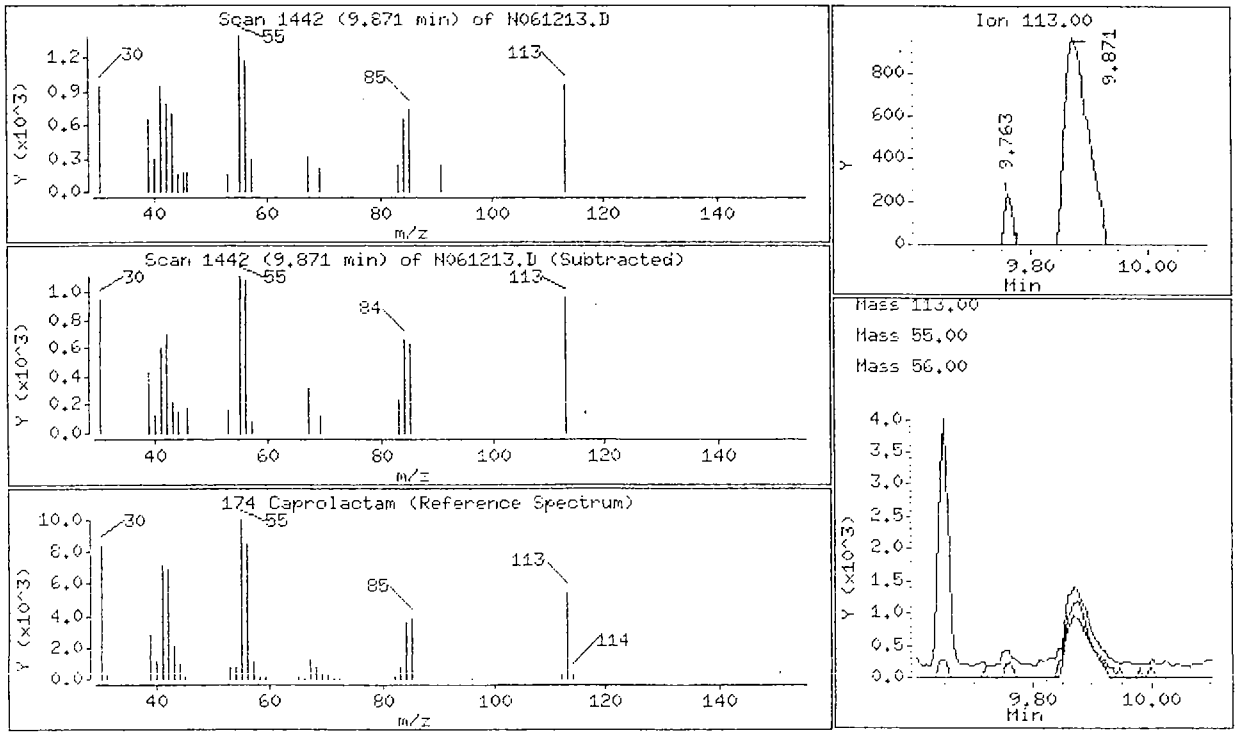
146 Biphenyl

Concentration: 0.12281 ug/L



174 Caprolactam

Concentration: 2.0446 ug/L



Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D Page 1
Report Date: 18-Jun-2007 10:42

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D
Lab Smp Id: J0A4E1A3S Client Smp ID: I7F050254-01S
Inj Date : 12-JUN-2007 14:20
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1A3S;I7F050254-01S;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUSDJ7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.166	7.159	(1.000)	115610	40.0000	(Q)	Rev
* 40 Naphthalene-d8	136	9.157	9.150	(1.000)	451619	40.0000		Rev
* 64 Acenaphthene-d10	164	11.957	11.956	(1.000)	256754	40.0000		Rev
* 93 Phenanthrene-d10	188	14.293	14.303	(1.000)	447883	40.0000		Rev
* 114 Chrysene-d12	240	18 550	18.544	(1.000)	429624	40.0000		Rev
* 122 Perylene-d12	264	20.692	20.691	(1.000)	419884	40.0000		Rev
$ 6 2-Fluorophenol	112	5.304	5.302	(0.740)	499784	123.124	117.26	Rev
$ 12 Phenol-d5	99	6.772	6.764	(0.945)	663395	134.490	128.08	Rev
$ 82 2,4,6-Tribromophenol	330	13.241	13.244	(0.926)	149365	155 760	148.34	Rev
$ 29 Nitrobenzene-d5	82	8.088	8.092	(0.883)	387221	90.5431	86.232	Rev
$ 54 2-Fluorobiphenyl	172	10 894	10.892	(0.911)	779037	90.6948	86.376	Rev
$ 105 Terphenyl-d14	244	16.861	16.865	(0.909)	866193	97.2459	92.615	Rev
1 Pyridine	79	2.909	2.896	(0.406)	92551	23.2385	22.132	Rev
2 N-Nitrosodimethylamine	74	2.936	2.934	(0 410)	204380	88.6547	84.433	Rev
4 N-Nitrosomethylethylamine	88	4 527	4.525	(0.632)	163621	77.5286	73.837	Rev
7 N-Nitrosodiethylamine	102	5.644	5.642	(0.788)	169295	82.7189	78.780	Rev
9 Pentachloroethane	117	6.718	6.716	(0.938)	114292	80.1501	76.333	Rev
11 bis(2-Chloroethyl)ether	93	6.836	6.835	(0 954)	326491	79.8376	76.036	Rev
13 Phenol	94	6.792	6.786	(0.948)	798077	136.542	130.04	Rev
14 2-Chlorophenol	128	6.923	6.921	(0.966)	363318	83.3511	79.382	Rev
15 1,3-Dichlorobenzene	146	7 106	7.104	(0.992)	357020	77 9467	74.235	Rev
16 1,4-Dichlorobenzene	146	7.187	7.191	(1.003)	377932	79.6020	75 811	Rev

MMB 6/07

Data File: \\aussvr02\INS_DATA\MSN1.1\N061207.B\N061214.D Page 2
Report Date: 18-Jun-2007 10:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.479	7.477	(1.044)	348740	79.1278	75.360	Rev
19 Benzyl Alcohol	108	7.452	7.450	(1.040)	235903	86.9762	82.836	Rev
20 bis(2-Chloroisopropyl)ether	45	7.657	7.655	(1.069)	389231	82.1869	78.273	Rev
21 2-Methylphenol	108	7.678	7.671	(1.072)	298058	78.1527	74.432	Rev
22 Acetophenone	105	7.851	7.854	(1.096)	481505	86.0424	81.945	Rev
23 N-Nitroso-di-n-propylamine	70	7.899	7.902	(1.102)	250891	87.0208	82.877	Rev
24 N-Nitrosopyrrolidine	100	7.878	7.867	(1.099)	175553	87.8446	83.662	Rev
25 3-(and/or 4-)Methylphenol	108	7.905	7.914	(1.103)	316756	77.8165	74.111(Q)	Rev
28 Hexachloroethane	117	7.937	7.935	(1.108)	137064	80.7411	76.896	Rev
30 Nitrobenzene	77	8.121	8.119	(0.887)	670910	150.844	143.66(A)	Rev
31 N-Nitrosopiperidine	114	8.358	8.361	(0.913)	169252	83.4563	79.482	Rev
32 Isophorone	82	8.471	8.475	(0.925)	653438	84.1397	80.133	Rev
33 2-Nitrophenol	139	8.612	8.610	(0.940)	204354	89.4078	85.150	Rev
34 2,4-Dimethyphenol	107	8.698	8.701	(0.950)	158346	36.4791	34.742	Rev
35 Bis(2-chloroethoxy)methane	93	8.822	8.825	(0.963)	383427	85.9322	81.840	Rev
36 2,4-Dichlorophenol	162	8.995	8.993	(0.982)	285995	86.6441	82.518	Rev
38 1,2,4-Trichlorobenzene	180	9.092	9.095	(0.993)	306299	83.4136	79.442	Rev
39 Benzoic Acid	122	8.995	8.993	(0.982)	156368	149.245	142.14	Rev
41 Naphthalene	128	9.189	9.187	(1.004)	983567	82.4024	78.476	Rev
42 4-Chloroaniline	127	9.340	9.338	(1.020)	9576	1.94961	1.8568(a)	Rev
43 2,6-Dichlorophenol	162	9.340	9.343	(1.020)	286880	87.6228	83.450	Rev
44 Hexachloropropene	213	9.367	9.365	(1.023)	184449	83.8597	79.866	Rev
45 Hexachlorobutadiene	225	9.459	9.462	(1.033)	181078	83.6476	79.664	Rev
46 N-Nitroso-di-n-butylamine	84	9.880	9.883	(1.079)	231214	86.6795	82.552	Rev
47 4-Chloro-3-Methylphenol	107	10.133	10.131	(1.107)	316763	86.8000	82.667	Rev
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	673775	85.7631	81.679	Rev
50 Hexachlorocyclopentadiene	237	10.624	10.622	(0.889)	18665	38.9856	37.129	Rev
51 1,2,4,5-Tetrachlorobenzene	216	10.602	10.606	(0.887)	310860	86.1531	82.050	Rev
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	211795	95.6681	91.112	Rev
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	216247	91.2522	86.907	Rev
55 2-Chloronaphthalene	127	11.045	11.048	(0.924)	280358	95.7005	91.143	Rev
57 2-Nitroaniline	65	11.293	11.307	(0.944)	119390	52.5688	50.065	Rev
59 Dimethylphthalate	163	11.617	11.626	(0.972)	696281	85.6526	81.574	Rev
60 2,6-Dinitrotoluene	165	11.741	11.744	(0.982)	166050	84.4926	80.469	Rev
62 Acenaphthylene	152	11.714	11.717	(0.980)	1001925	82.3323	78.412	Rev
63 3-Nitroaniline	138	11.978	11.976	(1.002)	4239	1.95305	1.8600(a)	Rev
65 Acenaphthene	153	12.005	12.014	(1.004)	619885	85.0945	81.042	Rev
66 2,4-Dinitrophenol	184	12.135	12.149	(1.015)	99681	101.122	96.307	Rev
67 Dibenzofuran	168	12.259	12.262	(1.025)	884913	86.8179	82.684	Rev
68 4-Nitrophenol	109	12.313	12.327	(1.030)	104531	107.047	101.95	Rev
69 Pentachlorobenzene	250	12.297	12.300	(1.028)	263449	88.3048	84.100	Rev
70 2,4-Dinitrotoluene	165	12.367	12.381	(1.034)	228427	88.2413	84.039	Rev
72 2,3,4,6-tetrachlorophenol	232	12.550	12.559	(1.050)	181760	101.734	96.890	Rev
74 Diethylphthalate	149	12.734	12.748	(1.065)	711750	89.3580	85.103	Rev
75 4-Chlorophenyl-phenylether	204	12.804	12.807	(1.071)	342792	86.5352	82.414	Rev
76 Fluorene	166	12.809	12.813	(1.071)	677053	85.6976	81.617	Rev
78 4,6-Dinitro-2-methylphenol	198	13.014	13.034	(0.911)	133770	96.3300	91.743	Rev
79 4-Nitroaniline	138	12.955	12.980	(1.083)	19372	9.23533	8.7956(a)	Rev
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	481928	66.5388	63.370	Rev
81 Azobenzene	77	13.057	13.066	(0.914)	738732	91.2219	86.878	Rev
84 4-Bromophenyl-phenylether	248	13.575	13.579	(0.950)	202225	88.8240	84.594	Rev
87 Hexachlorobenzene	284	13.813	13.816	(0.966)	199562	88.6848	84.462	Rev
90 Pentachlorophenol	266	14.126	14.135	(0.988)	117084	128.728	122.60	Rev
91 ~~Pronamide~~	~~173~~	~~14.120~~	~~14.189~~	~~(0.988)~~	~~782~~	~~0.23238~~	~~0.22131(aQ)~~	Rev

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D Page 3
Report Date: 18-Jun-2007 10:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
94 Phenanthrene	178	14.336	14.345	(1.003)	1034278	90.1912	85.896	Rev
95 Anthracene	178	14.406	14.415	(1.008)	936552	81.6899	77.800	Rev
96 Dinoseb	211	14.412	14.421	(1.008)	181629	95.2748	90.738	Rev
97 Carbazole	167	14.698	14.701	(1.028)	944247	86.7264	82.596	Rev
98 Di-n-Butylphthalate	149	15.313	15.310	(1.071)	1080632	85.8608	81.772	Rev
102 Fluoranthene	202	16.241	16.244	(1.136)	1095474	86.8871	82.750	Rev
104 Pyrene	202	16.602	16.606	(0.895)	1137559	81.7883	77.894	Rev
110 Butylbenzylphthalate	149	17.698	17.701	(0.953)	484946	81.1933	77.327	Rev
112 3,3'-Dichlorobenzidine	252	18.534	18.527	(0.999)	3781	0.83163	0.79203(aQ)	Rev
113 Benzo(a)anthracene	228	18.523	18.527	(0.999)	1049647	83.7393	79.752	Rev
115 bis(2-Ethylhexyl)phthalate	149	18.626	18.624	(1.004)	657331	83.4275	79.455	Rev
116 Chrysene	228	18.593	18.597	(1.002)	898534	77.4540	73.766	Rev
117 Di-n-octylphthalate	149	19.548	19.552	(0.945)	1118951	79.9657	76.158	Rev
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1111797	79.9680	76.160	Rev
120 Benzo(k)fluoranthene	252	20.196	20.210	(0.976)	1119966	78.0158	74.301	Rev
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	975051	78.1428	74.422	Rev
125 Indeno(1,2,3-cd)pyrene	276	22.235	22.244	(1.075)	1138878	83.8378	79.845	Rev
126 Dibenz(a,h)anthracene	278	22.235	22.244	(1.075)	781154	70.6972	67.331	Rev
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	1007057	89.0684	84.827	Rev
146 Biphenyl	154	11.029	11.028	(0.922)	901160	104.913	99.918(A)	Rev
149 Diphenyl ether	170	11.207	11.206	(0.937)	448462	93.7740	89.308	Rev

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D

Date : 12-JUN-2007 14:20

Client ID: I7F050254-01S

Sample Info: J0A4E1A3S;I7F050254-01S;1;0;;1;1050;;1000

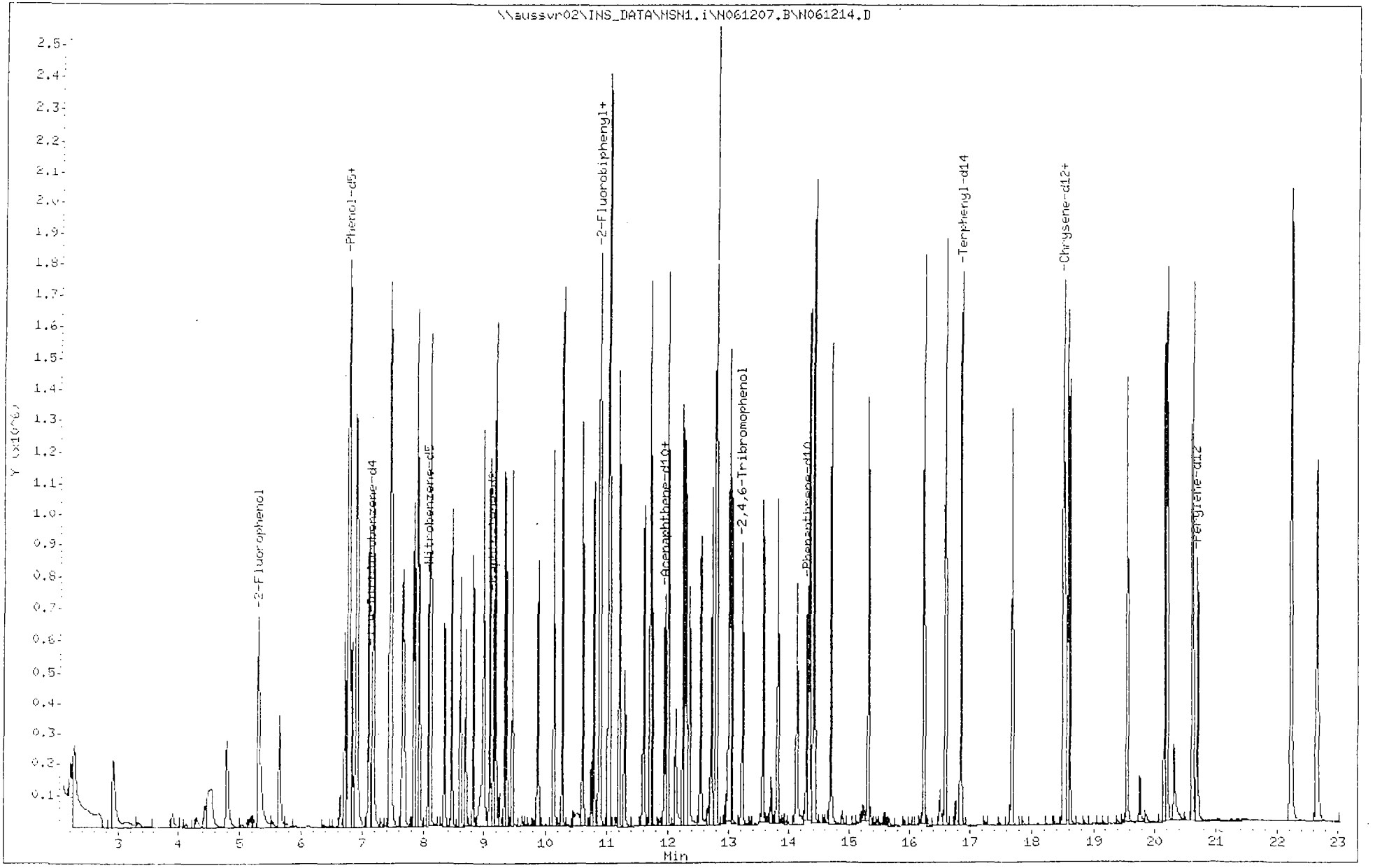
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 1
Report Date: 18-Jun-2007 10:43

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D
Lab Smp Id: J0A4E1A4D Client Smp ID: I7F050254-01S
Inj Date : 12-JUN-2007 14:49
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1A4D;I7F050254-01S;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUSDJ7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.165	7.159	(1.000)	118224	40.0000	(Q)	Rev
* 40 Naphthalene-d8	136	9.156	9.150	(1.000)	465203	40.0000		Rev
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	265247	40.0000		Rev
* 93 Phenanthrene-d10	188	14.293	14.303	(1.000)	464015	40.0000		Rev
* 114 Chrysene-d12	240	18.550	18.544	(1.000)	443463	40.0000		Rev
* 122 Perylene-d12	264	20.692	20.691	(1.000)	435539	40.0000		Rev
$ 6 2-Fluorophenol	112	5.309	5.302	(0.741)	494205	119.058	113.39	Rev
$ 12 Phenol-d5	99	6.777	6.764	(0.946)	667381	132.306	126.01	Rev
$ 82 2,4,6-Tribromophenol	330	13.241	13.244	(0.926)	145516	146.471	139.50	Rev
$ 29 Nitrobenzene-d5	82	8.088	8.092	(0.883)	389408	88.3957	84.186	Rev
$ 54 2-Fluorobiphenyl	172	10.894	10.892	(0.911)	780669	87.9748	83.785	Rev
$ 105 Terphenyl-d14	244	16.861	16.865	(0.909)	848761	92.3152	87.919	Rev
1 Pyridine	79	2.919	2.896	(0.407)	40081	9.84138	9.3727(a)	Rev
2 N-Nitrosodimethylamine	74	2.935	2.934	(0.410)	211918	89.8919	85.611	Rev
4 N-Nitrosomethylethylamine	88	4.532	4.525	(0.633)	168236	77.9528	74.241	Rev
7 N-Nitrosodiethylamine	102	5.644	5.642	(0.788)	171398	81.8947	77.995	Rev
9 Pentachloroethane	117	6.717	6.716	(0.938)	117402	80.5107	76.677	Rev
11 bis(2-Chloroethyl)ether	93	6.836	6.835	(0.954)	330444	79.0176	75.255	Rev
13 Phenol	94	6.793	6.786	(0.948)	823886	137.841	131.28	Rev
14 2-Chlorophenol	128	6.928	6.921	(0.967)	367376	82.4185	78.494	Rev
15 1,3-Dichlorobenzene	146	7.106	7.104	(0.992)	367564	78.4744	74.738	Rev
16 1,4-Dichlorobenzene	146	7.192	7.191	(1.004)	385513	79.4034	75.622	Rev

CMB 6/18/07

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 2
Report Date: 18-Jun-2007 10:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.478	7.477	(1.044)	355593	78.8987	75.142	Rev
19 Benzyl Alcohol	108	7.451	7.450	(1.040)	243367	87.7462	83.568	Rev
20 bis(2-Chloroisopropyl)ether	45	7.656	7.655	(1.069)	400957	82.7909	78.848	Rev
21 2-Methylphenol	108	7.694	7.671	(1.074)	279641	71.7033	68.289	Rev
22 Acetophenone	105	7.850	7.854	(1.096)	484492	84.6619	80.630	Rev
23 N-Nitroso-di-n-propylamine	70	7.899	7.903	(1.102)	258455	87.6623	83.488	Rev
24 N-Nitrosopyrrolidine	100	7.877	7.887	(1.099)	180799	88.4693	84.256	Rev
25 3-(and/or 4-)Methylphenol	108	7.904	7.914	(1.103)	296044	71.1201	67.733(Q)	Rev
28 Hexachloroethane	117	7.937	7.925	(1.108)	140373	80.8620	77.011	Rev
30 Nitrobenzene	77	8.120	8.119	(0.887)	692301	151.108	143.91(A)	Rev
31 N-Nitrosopiperidine	114	8.358	8.361	(0.913)	172971	82.7996	78.857	Rev
32 Isophorone	82	8.471	8.475	(0.925)	658627	82.3315	78.411	Rev
33 2-Nitrophenol	139	8.611	8.610	(0.940)	209634	89.0397	84.800	Rev
34 2,4-Dimethyphenol	107	8.698	8.701	(0.950)	88681	19.8334	18.889	Rev
35 Bis(2-chloroethoxy)methane	93	8.822	8.825	(0.963)	390578	84.9788	80.932	Rev
36 2,4-Dichlorophenol	162	8.994	8.993	(0.982)	287357	84.5147	80.490	Rev
38 1,2,4-Trichlorobenzene	180	9.091	9.095	(0.993)	309178	81.7390	77.847	Rev
39 Benzoic Acid	122	9.000	8.993	(0.983)	174459	160.594	152.95(A)	Rev
41 Naphthalene	128	9.189	9.187	(1.004)	1009502	82.1056	78.196	Rev
42 4-Chloroaniline	127	9.334	9.338	(1.019)	5901	1.16633	1.1108(aQ)	Rev
43 2,6-Dichlorophenol	162	9.340	9.343	(1.020)	285946	84.7873	80.750	Rev
44 Hexachloropropene	213	9.367	9.365	(1.023)	189329	83.5649	79.586	Rev
45 Hexachlorobutadiene	225	9.458	9.462	(1.033)	184308	82.6536	78.718	Rev
46 N-Nitroso-di-n-butylamine	84	9.879	9.883	(1.079)	234865	85.4772	81.407	Rev
47 4-Chloro-3-Methylphenol	107	10.133	10.131	(1.107)	311202	82.7861	78.844	Rev
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	678427	83.8337	79.842	Rev
50 Hexachlorocyclopentadiene	237	10.624	10.622	(0.889)	23089	42.6520	40.621	Rev
51 1,2,4,5-Tetrachlorobenzene	216	10.608	10.606	(0.887)	311928	83.6810	79.696	Rev
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	212688	92.9954	88.567	Rev
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	216801	88.5566	84.340	Rev
55 2-Chloronaphthalene	127	11.045	11.048	(0.924)	278322	91.9635	87.584	Rev
57 2-Nitroaniline	65	11.293	11.307	(0.944)	88720	37.8136	36.013	Rev
59 Dimethylpnthalate	163	11.616	11.626	(0.972)	705224	83.9750	79.976	Rev
60 2,6-Dinitrotoluene	165	11.741	11.744	(0.982)	167086	82.2975	78.378	Rev
62 Acenaphthylene	152	11.714	11.717	(0.980)	1002213	79.7190	75.923	Rev
63 3-Nitroaniline	138	12.005	11.976	(1.004)	1110	0.49504	0.47147(aQ)	Rev
65 Acenaphthene	153	12.005	12.014	(1.004)	620484	82.4495	78.523	Rev
66 2,4-Dinitrophenol	184	12.140	12.149	(1.015)	98135	97.0256	92.405	Rev
67 Dibenzofuran	168	12.259	12.262	(1.025)	884014	83.9527	79.955	Rev
68 4-Nitrophenol	109	12.313	12.327	(1.030)	102567	101.673	96.831	Rev
69 Pentachlorobenzene	250	12.302	12.300	(1.029)	264087	85.6844	81.604	Rev
70 2,4-Dinitrotoluene	165	12.366	12.381	(1.034)	229057	85.6514	81.573	Rev
72 2,3,4,6-tetrachlorophenol	232	12.550	12.559	(1.050)	180630	97.8648	93.204	Rev
74 Diethylphthalate	149	12.733	12.748	(1.065)	667726	81.1467	77.282	Rev
75 4-Chlorophenyl-phenylether	204	12.809	12.807	(1.071)	348054	85.0502	81.000	Rev
76 Fluorene	166	12.809	12.813	(1.071)	684051	83.8111	79.820	Rev
78 4,6-Dinitro-2-methylphenol	198	13.019	13.034	(0.911)	138512	96.2788	91.696(Q)	Rev
79 4-Nitroaniline	138	12.965	12.980	(1.084)	8551	3.94604	3.7581(a)	Rev
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	441607	59.0195	56.209	Rev
81 Azobenzene	77	13.057	13.066	(0.914)	735481	87.6630	83.488	Rev
84 4-Bromophenyl-phenylether	248	13.575	13.579	(0.950)	201910	85.6024	81.526	Rev
87 Hexachlorobenzene	284	13.812	13.816	(0.966)	199970	85.7766	81.692	Rev
90 Pentachlorophenol	266	14.131	14.135	(0.989)	117790	125.251	119.29	Rev
94 Phenanthrene	178	14.336	14.345	(1.003)	1046022	88.0441	83.852	Rev

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 3
Report Date: 18-Jun-2007 10:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
95 Anthracene	178	14.406	14.415	(1.008)	909202	76.5472	72.902	Rev
96 Dinoseb	211	14.411	14.421	(1.008)	187479	94.9362	90.415	Rev
97 Carbazole	167	14.697	14.701	(1.028)	939861	81.5493	77.666	Rev
98 Di-n-Butylphthalate	149	15.312	15.316	(1.071)	1067104	81.8382	77.941	Rev
102 Fluoranthene	202	16.246	16.244	(1.137)	1092448	83.6347	79.652	Rev
104 Pyrene	202	16.602	16.606	(0.895)	1131886	78.8409	75.086	Rev
110 Butylbenzylphthalate	149	17.697	17.701	(0.954)	479318	77.7467	74.044	Rev
113 Benzo(a)anthracene	228	18.523	18.527	(0.999)	1048750	81.0568	77.197	Rev
115 bis(2-Ethylhexyl)phthalate	149	18.625	18.624	(1.004)	658367	80.9514	77.096	Rev
116 Chrysene	228	18.593	18.597	(1.002)	898573	75.0401	71.467	Rev
117 Di-n-octylphthalate	149	19.548	19.552	(0.945)	1127678	77.6926	73.993	Rev
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1109843	76.9581	73.293	Rev
120 Benzo(k)fluoranthene	252	20.201	20.210	(0.976)	1152886	77.4224	73.736	Rev
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	971438	75.0087	71.437	Rev
125 Indeno(1,2,3-cd)pyrene	276	22.240	22.244	(1.075)	1144482	81.2221	77.354	Rev
126 Dibenz(a,h)anthracene	278	22.235	22.244	(1.075)	784973	68.4893	65.228	Rev
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	1008069	85.9532	81.860	Rev
146 Biphenyl	154	11.028	11.028	(0.922)	891710	100.489	95.704(A)	Rev
149 Diphenyl ether	170	11.206	11.206	(0.937)	450543	91.1926	86.850	Rev

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

456

Data File: \\aussvr02\INS_DATA\HSN1.i\N061207.B\N061215.D

Date : 12-JUN-2007 14:49

Client ID: I7F050254-01S

Sample Info: J0A4E1A4D:I7F050254-01S;1;0;;1;1050;;1000

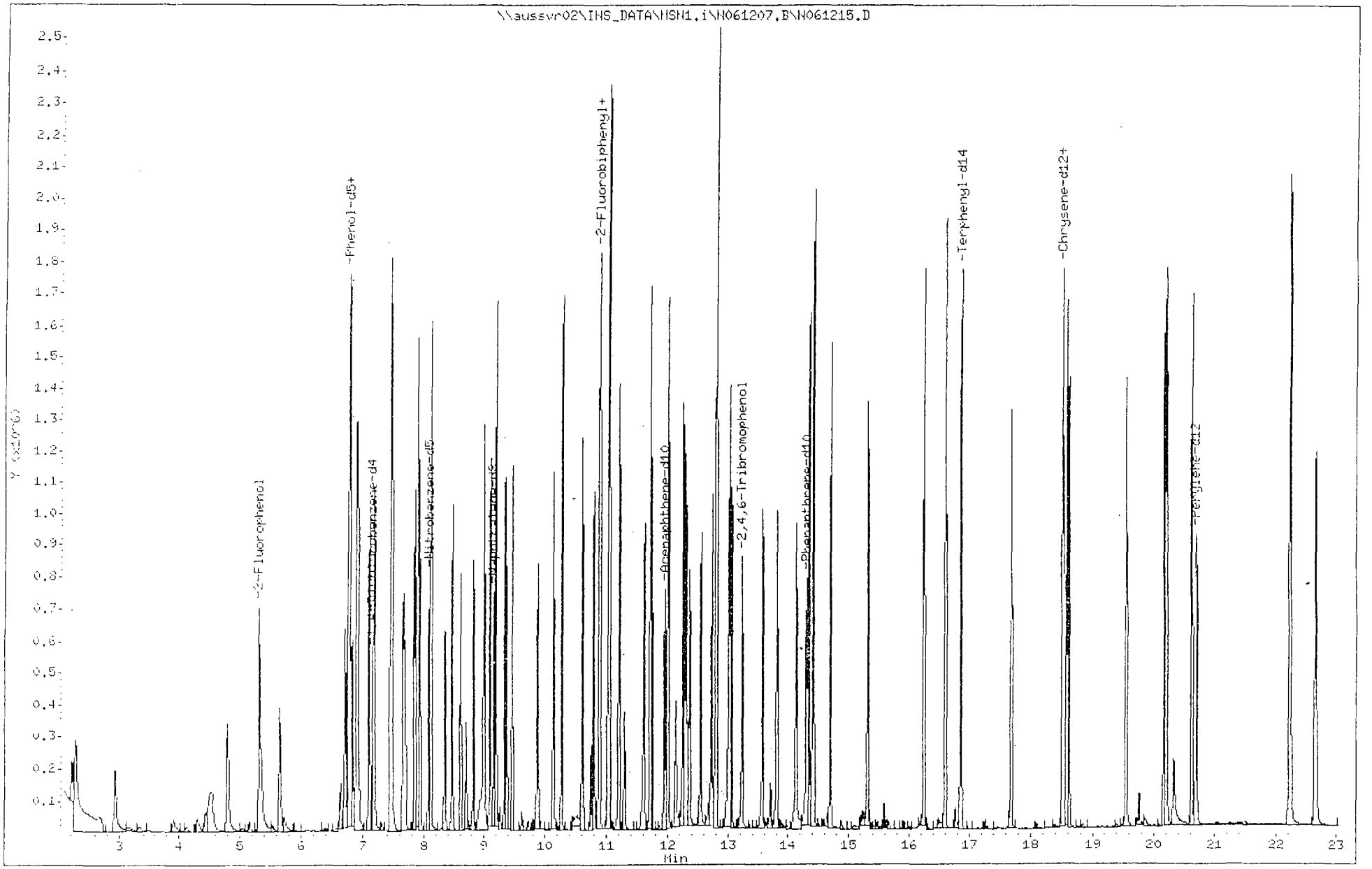
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: HSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061217.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data File : \\aussvr02\ins_data\MSN1.i\N061207.B\N061217.D
Lab Smp Id: J0A5A1AC Client Smp ID: I7F050254-03
Inj Date : 12-JUN-2007 15:46
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A5A1AC;I7F050254-03;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.164	7.159	(1.000)	110054	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	429276	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	247462	40.0000		REV
* 93 Phenanthrene-d10	188	14.291	14.303	(1.000)	419695	40.0000		REV
* 114 Chrysene-d12	240	18.543	18.544	(1.000)	409689	40 0000		REV
* 122 Perylene-d12	264	20.685	20.691	(1.000)	381302	40.0000		REV
$ 6 2-Fluorophenol	112	5.286	5.302	(0.738)	493049	127.597	121.52	REV
$ 12 Phenol-d5	99	6.754	6 764	(0.943)	647563	137.908	131.34	REV
$ 82 2,4,6-Tribromophenol	330	13.234	13.244	(0.926)	145133	161.512	153.82	REV
$ 29 Nitrobenzene-d5	82	8.076	8.092	(0 883)	361285	88.8755	84 643	REV
$ 54 2-Fluorobiphenyl	172	10.887	10.892	(0.911)	715554	86.4322	82.316	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	859083	101.141	96 324	REV
146 Biphenyl	154	11.033	11.028	(0.923)	1050	0.12683	0 12079(a)	REV
174 Caprolactam	113	9.889	9.850	(1.081)	562	0.47604	0.45337(aQ)	REV

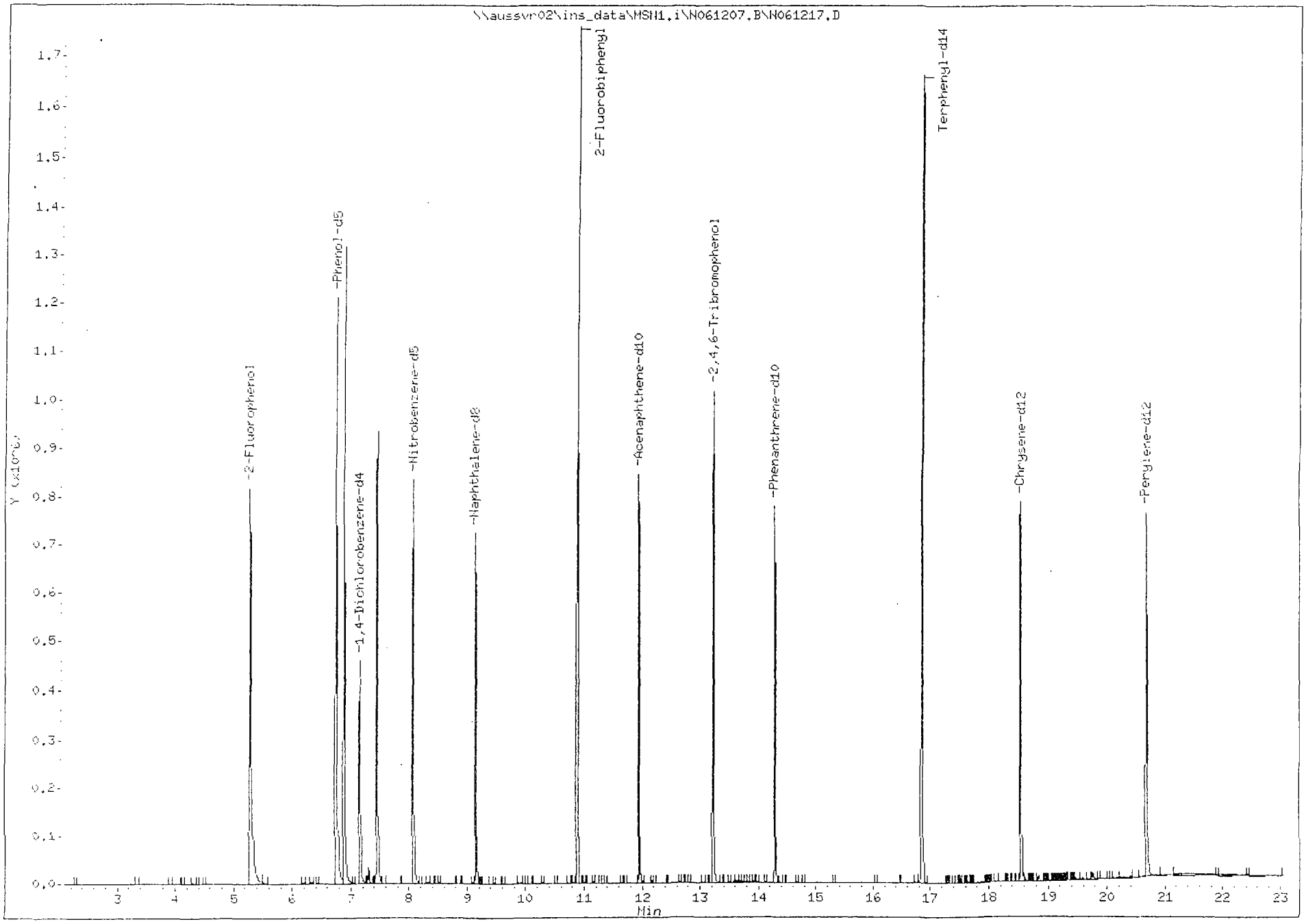
6-14-7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061217.D
Date : 12-JUN-2007 15:46

Sample Info: J0A5A1AC;I7F050254-03;1;0;;1;1050;;1000



Data File: \\aussvr02\ms_data\MSN1.1\N061207.B\N061217.D

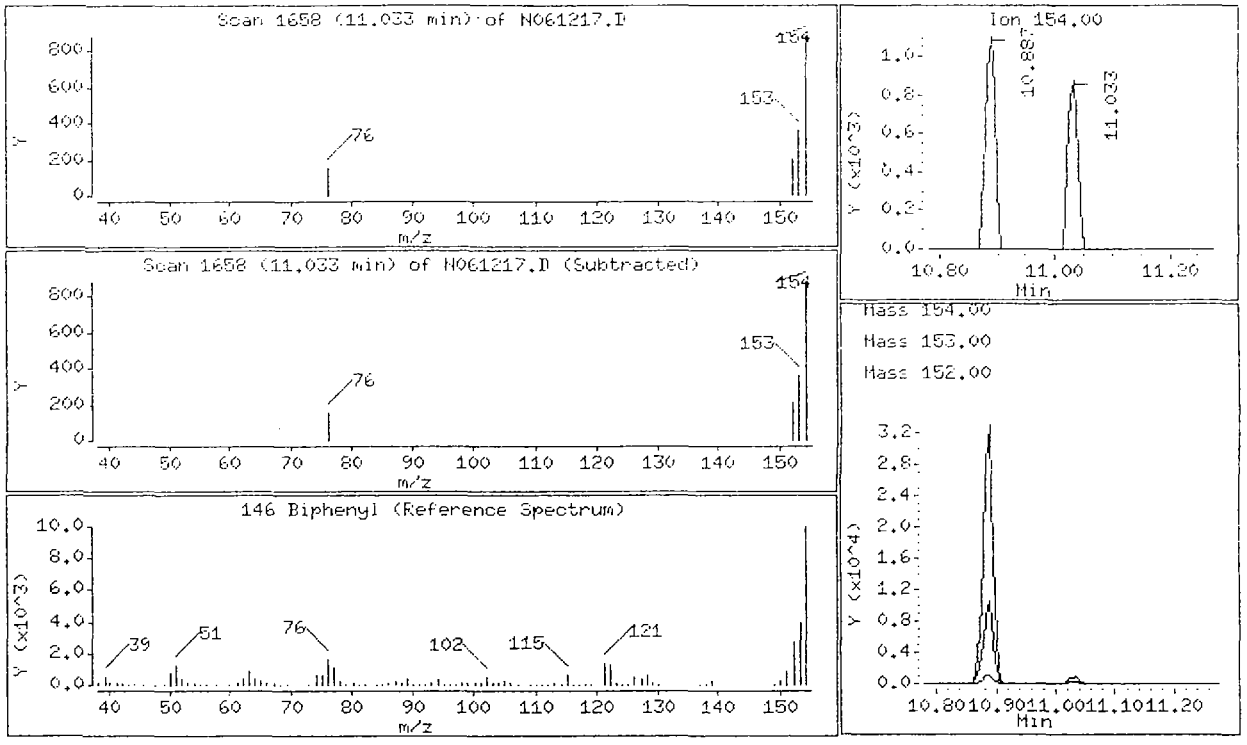
Page 3

Date : 12-JUN-2007 15:46

Sample Info: J0A5A1AC;17F050254-03;1;0;;1;1050;;1000

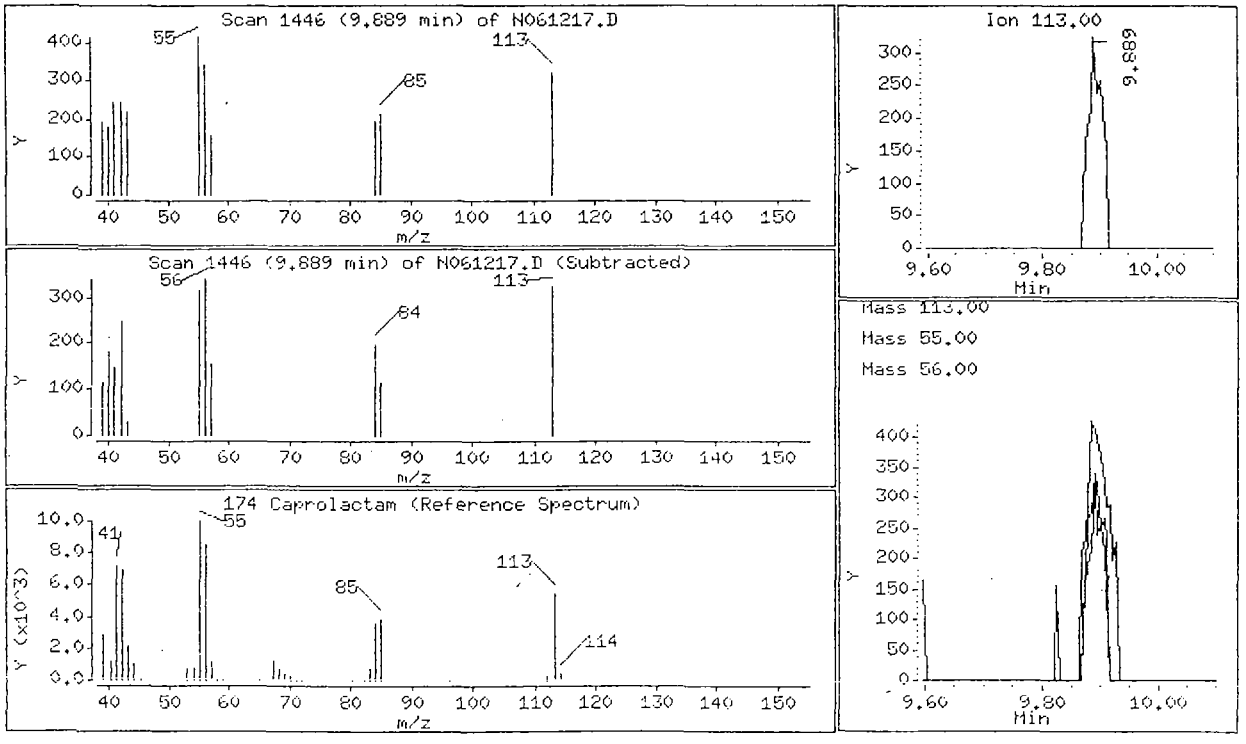
146 Biphenyl

Concentration: 0.12079 ug/L



174 Caprolactam

Concentration: 0.45337 ug/L



Calibration Data

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

libration File Names:
vel 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053111.D~~ N053103.D
vel 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053112.D~~ N053104.D
vel 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053113.D~~ N053105.D
vel 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053114.D~~ N053106.D
vel 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053115.D~~ N053107.D
vel 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053116.D~~ N053108.D
vel 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053117.D~~ N053109.D

MM 6-4-1

JG 6-5-07

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.33780	1.47458	1.45377	1.39413	1.33474	1.33050					
	1.32022						AVRG		1.37796		4.62893
2 N-Nitrosodimethylamine	0.78256	0.87430	0.81562	0.79640	0.77358	0.76964					
	0.77130						AVRG		0.79763		4.71490
3 2-Picoline	1.52557	1.73446	1.63715	1.59572	1.54301	1.53628					
	1.52827						AVRG		1.58578		4.28843
4 N-Nitrosomethylethylamine	0.69465	0.78902	0.75103	0.73078	0.71352	0.71496					
	0.71744						AVRG		0.73020		4.26926

MM 6-4-7

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.79327	0.87883	0.83773	0.79991	0.75185	0.74399					
	0.73234						AVRG		0.79113		6.76092
7 N-Nitrosodiethylamine	0.65483	0.76018	0.70747	0.71875	0.70572	0.70852					
	0.70135						AVRG		0.70812		4.35854
8 Ethyl methanesulfonate	1.00215	1.12714	1.08825	1.04607	1.02920	1.03749					
	1.03597						AVRG		1.05232		3.96893
9 Pentachloroethane	0.47243	0.54357	0.51068	0.48995	0.48088	0.47637					
	0.47973						AVRG		0.49337		5.16820
10 Aniline	2.07454	2.36384	2.24280	2.19434	2.09233	2.07856					
	2.07818						AVRG		2.16066		5.16722
11 bis(2-Chloroethyl)ether	1.35311	1.52232	1.43886	1.40204	1.38981	1.39973					
	1.39847						AVRG		1.41491		3.78701
13 Phenol	1.90657	2.15037	2.12783	1.97086	1.99919	2.00115					
	2.00007						AVRG		2.02229		4.28504

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.44975	1.64680	1.54202	1.50015	1.46765	1.46869					
	1.48189						AVRG		1.50814		4.50803
15 1,3-Dichlorobenzene	1.55738	1.75507	1.63431	1.58219	1.52862	1.51357					
	1.52207						AVRG		1.58474		5.42612
16 1,4-Dichlorobenzene	1.62085	1.81485	1.68885	1.63915	1.59896	1.56833					
	1.56780						AVRG		1.64268		5.29016
18 1,2-Dichlorobenzene	1.49554	1.69517	1.56887	1.51663	1.47528	1.45909					
	1.46362						AVRG		1.52489		5.51292
19 Benzyl Alcohol	0.85532	0.99358	0.96801	0.94216	0.93083	0.93857					
	0.94033						AVRG		0.93840		4.54206
20 bis(2-Chloroisopropyl)ether	1.65754	1.83491	1.68910	1.62551	1.57159	1.55092					
	1.54053						AVRG		1.63859		6.27411
21 2-Methylphenol	1.26797	1.42595	1.35211	1.30821	1.29084	1.29274					
	1.29881						AVRG		1.31952		4.05081

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
22 Acetophenone	1.83320	2.09633	1.98909	1.93054	1.90457	1.90560					
	1.89415						AVRG		1.93621		4.36134
23 N-Nitroso-di-n-propylamine	0.98388	1.11862	1.06265	1.01997	0.95925	0.93567					
	0.90268						AVRG		0.99753		7.53305
24 N-Nitrosopyrrolidine	0.64954	0.75414	0.73672	0.71215	0.67613	0.67007					
	0.64137						AVRG		0.69144		6.29417
25 3-(and/or 4-)Methylphenol	1.38084	1.55474	1.46904	1.42267	1.37495	1.34599					
	1.31038						AVRG		1.40837		5.84627
27 o-Toluidine	2.08675	2.38629	2.25067	2.17911	2.14027	2.12588					
	2.06490						AVRG		2.17627		5.09970
28 Hexachloroethane	0.56936	0.64915	0.61125	0.59183	0.57515	0.56187					
	0.55281						AVRG		0.58735		5.70013
30 Nitrobenzene	0.38483	0.44212	0.40660	0.39891	0.37886	0.37370					
	0.37254						AVRG		0.39394		6.29084

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.16676	0.19652	0.18635	0.18018	0.17631	0.17559					
	0.17565						AVRG		0.17962		5.27887
32 Isophorone	0.65180	0.76491	0.71398	0.69181	0.66884	0.66367					
	0.65991						AVRG		0.68785		5.83448
33 2-Nitrophenol	0.17530	0.21337	0.21083	0.20643	0.20280	0.20299					
	0.20536						AVRG		0.20244		6.22084
34 2,4-Dimethyphenol	0.36657	0.42559	0.39822	0.38705	0.37568	0.37051					
	0.36761						AVRG		0.38446		5.58242
35 Bis(2-chloroethoxy)methane	0.37222	0.43810	0.40812	0.39729	0.38425	0.38346					
	0.38296						AVRG		0.39520		5.60835
36 2,4-Dichlorophenol	0.27151	0.32102	0.30232	0.29318	0.28714	0.28540					
	0.28591						AVRG		0.29235		5.36000
38 1,2,4-Trichlorobenzene	0.31658	0.36557	0.33484	0.32716	0.31357	0.30832					
	0.31061						AVRG		0.32523		6.19278

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	++++++	9403	46779	64932	116509	158266					
	203003						WLINR	0.31773	0.10144		0.99014
41 Naphthalene	1.05256	1.19109	1.08973	1.06074	1.01307	0.99931					
	0.99382						AVRG		1.05719		5.50030
42 4-Chloroaniline	0.41213	0.48397	0.45811	0.44215	0.42447	0.41956					
	0.40485						AVRG		0.43503		6.47770
43 2,6-Dichlorophenol	0.27734	0.32002	0.30336	0.29172	0.28202	0.27804					
	0.27736						AVRG		0.28998		5.64739
44 Hexachloropropene	0.16460	0.20485	0.20422	0.20549	0.19818	0.19404					
	0.19229						AVRG		0.19481		7.36315
45 Hexachlorobutadiene	0.19049	0.21965	0.19934	0.19375	0.18286	0.17885					
	0.17720						AVRG		0.19173		7.67328
46 N-Nitroso-di-n-butylamine	0.21821	0.26475	0.24823	0.23796	0.23206	0.22778					
	0.22480						AVRG		0.23626		6.70256

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29201	0.35817	0.34095	0.33047	0.31914	0.31317					
	0.30866						AVRG		0.32322		6.79325
48 Safrole	0.25327	0.30261	0.28545	0.27490	0.26878	0.26817					
	0.26581						AVRG		0.27414		5.78324
49 2-Methylnaphthalene	0.66572	0.77609	0.72749	0.70079	0.67527	0.66454					
	0.66090						AVRG		0.69583		5.15237
50 Hexachlorocyclopentadiene	+++++	3724	32284	50698	101184	146833					
	170812						QUAD	0.49367	6.80755	-2.53312	0.99283
51 1,2,4,5-Tetrachlorobenzene	0.54892	0.60823	0.57679	0.57009	0.54990	0.54118					
	0.53980						AVRG		0.56213		4.39690
52 2,4,6-Trichlorophenol	0.30311	0.36195	0.35880	0.35495	0.34682	0.34437					
	0.34429						AVRG		0.34490		5.71999
53 2,4,5-Trichlorphenol	0.32808	0.37547	0.38654	0.37862	0.37257	0.36934					
	0.37371						AVRG		0.36919		5.12846

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.44145	0.50171	0.47046	0.46085	0.44415	0.43937					
	0.43677						AVRG		0.45640		5.15322
56 Isosafrole	0.46263	0.53127	0.49445	0.48160	0.46402	0.46115					
	0.46044						AVRG		0.47937		5.47472
57 2-Nitroaniline	0.32076	0.38115	0.36276	0.35617	0.35089	0.35234					
	0.35267						AVRG		0.35392		5.07807
58 1,4-Naphthoquinone	0.36811	0.46699	0.45872	0.44759	0.42289	0.41616					
	0.40971						AVRG		0.42717		7.95622
59 Dimethylphthalate	1.22645	1.38860	1.29174	1.27590	1.20844	1.21437					
	1.25963						AVRG		1.26645		4.92845
60 2,6-Dinitrotoluene	0.28538	0.33493	0.31991	0.31162	0.29604	0.29567					
	0.29964						AVRG		0.30617		5.55204
61 1,3-Dinitrobenzene	0.18867	0.23324	0.23616	0.23526	0.23548	0.23908					
	0.24049						AVRG		0.22977		7.95933

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	1.84850	2.12224	1.97627	1.90387	1.83099	1.80293					
	1.78627						AVRG		1.89587		6.27338
63 3-Nitroaniline	0.30165	0.35006	0.34501	0.34253	0.33903	0.34207					
	0.34660						AVRG		0.33814		4.87154
65 Acenaphthene	1.11253	1.26289	1.17445	1.14420	1.09627	1.08060					
	1.07327						AVRG		1.13489		5.88599
66 2,4-Dinitrophenol	+++++	8367	47313	61704	110710	148358					
	176908						WLINR	0.35044	0.17828		0.99642
67 Dibenzofuran	1.56767	1.77260	1.63562	1.59125	1.52318	1.50944					
	1.51581						AVRG		1.58794		5.88237
68 4-Nitrophenol	0.11822	0.16054	0.15823	0.15703	0.15387	0.15670					
	0.16032						AVRG		0.15213		9.94257
69 Pentachlorobenzene	0.45204	0.51849	0.48585	0.46974	0.44899	0.44099					
	0.43743						AVRG		0.46479		6.25947

469

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.34770	0.42550	0.42445	0.41745	0.39769	0.40153					
	0.40872						AVRG		0.40329		6.63491
72 2,3,4,6-tetrachlorophenol	0.21490	0.27843	0.29430	0.29076	0.29095	0.29020					
	0.28882						AVRG		0.27834		10.20756
74 Diethylphthalate	1.16689	1.35679	1.28810	1.26907	1.19241	1.20423					
	1.20983						AVRG		1.24090		5.37106
75 4-Chlorophenyl-phenylether	0.62020	0.71272	0.64232	0.62771	0.59011	0.56828					
	0.55861						AVRG		0.61714		8.48015
76 Fluorene	1.22089	1.39405	1.27139	1.24886	1.18411	1.15253					
	1.14394						AVRG		1.23083		7.00266
77 5-Nitro-o-toluidine	0.33691	0.41183	0.40964	0.39740	0.38243	0.38467					
	0.37741						AVRG		0.38576		6.57014
78 4,6-Dinitro-2-methylphenol	8895	27821	88326	106078	163980	206626					
	238126						WLINR	0.07978	0.12827		0.99779

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.29114	0.35146	0.34332	0.33220	0.31643	0.32454					
	0.32841						AVRG		0.32679		5.98705
80 N-Nitrosodiphenylamine/DPA	1.09102	1.24619	1.19556	1.15596	1.07443	1.06361					
	1.07179						AVRG		1.12837		6.35573
81 Azobenzene	0.69193	0.78506	0.70743	0.68639	0.74574	0.72885					
	0.71728						AVRG		0.72324		4.71668
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19960	0.22651	0.21194	0.20042	0.19733	0.19418					
	0.19333						AVRG		0.20333		5.86539
85 Phenacetin	0.32402	0.39105	0.36390	0.35746	0.33780	0.33838					
	0.33948						AVRG		0.35030		6.38639
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Last Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19471	0.22314	0.20771	0.20277	0.19541	0.19198					
	0.19106						AVRG		0.20097		5.70714
88 1,3,5-Trinitrobenzene	0.14960	0.16650	0.17531	0.17773	0.17203	0.17267					
	0.16819						AVRG		0.16886		5.52314
90 Pentachlorophenol	+++++	12581	47362	59489	105098	139870					
	168184						WLINR	0.21515	0.08705		0.99614
91 Pronamide	0.28741	0.34060	0.32028	0.30840	0.28680	0.28179					
	0.27852						AVRG		0.30054		7.74846
92 Pentachloronitrobenzene	0.03618	0.04123	0.03953	0.03854	0.03659	0.03659					
	0.03687						AVRG		0.03793		5.00800
94 Phenanthrene	1.02793	1.16126	1.06126	1.02962	0.95476	0.97329					
	0.96100						AVRG		1.02416		7.08718
95 Anthracene	1.03521	1.19019	1.08296	1.04621	0.96517	0.93129					
	0.91629						AVRG		1.02390		9.38206

%RSD 17.2

472

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
lethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	12037	38743	118892	147133	227884	282391					
	325866						WLINR	0.08031	0.17620		0.99781
97 Carbazole	0.90842	1.11129	1.03878	0.98577	0.93486	0.91711					
	0.91033						AVRG		0.97237		7.99778
98 Di-n-Butylphthalate	1.11233	1.29400	1.18077	1.14181	1.07356	1.04102					
	1.02472						AVRG		1.12403		8.27113
101 Isodrin	0.10929	0.12571	0.11736	0.11415	0.10826	0.10681					
	0.10584						AVRG		0.11249		6.34514
102 Fluoranthene	1.14543	1.31005	1.19343	1.13703	1.05626	1.02831					
	1.01157						AVRG		1.12601		9.34402
103 Benzidine	0.43005	0.53519	0.55158	0.59063	0.54068	0.54108					
	0.48968						AVRG		0.52556		9.78990
104 Pyrene	1.33693	1.49581	1.34185	1.29733	1.22321	1.18973					
	1.17981						AVRG		1.29495		8.56370

STL Austin

INITIAL CALIBRATION DATA

:tart Cal Date : 31-MAY-2007 12:44
:nd Cal Date : 31-MAY-2007 19:49
)uant Method : ISTD
'arget Version : 4.14
:ntegrator : HP RTE
lethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.31962	0.37920	0.35285	0.34480	0.33110	0.32278					
	0.31865						AVRG		0.33843		6.55635
107 Chlorobenzilate	0.34991	0.39735	0.36628	0.36191	0.34383	0.33680					
	0.33965						AVRG		0.35653		5.91646
109 3,3'-Dimethylbenzidine	0.63823	0.80805	0.76338	0.73361	0.66460	0.62210					
	0.58660						AVRG		0.68808		11.84024
110 Butylbenzylphthalate	0.55917	0.63245	0.56970	0.55816	0.53146	0.51986					
	0.52182						AVRG		0.55609		7.01250
111 2-Acetylaminofluorene	0.44617	0.53611	0.51117	0.50780	0.49110	0.48876					
	0.48775						AVRG		0.49555		5.59005
112 3,3'-Dichlorobenzidine	0.43076	0.49664	0.45179	0.43881	0.40001	0.37949					
	0.36559						AVRG		0.42330		10.68744
113 Benzo(a)anthracene	1.25115	1.37989	1.21856	1.17645	1.08568	1.03867					
	1.01887						AVRG		1.16704		11.07162

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.72961	0.83892	0.77944	0.75097	0.70662	0.67333					
	0.65615						AVRG		0.73358		8.59816
116 Chrysene	1.09845	1.25682	1.14343	1.10986	1.02472	0.97461					
	0.95278						AVRG		1.08010		9.77399
117 Di-n-octylphthalate	1.28079	1.49327	1.39995	1.36008	1.31175	1.23612					
	1.24922						AVRG		1.33302		6.88108
118 7,12-Dimethylbenz(a)anthracen	0.51320	0.63707	0.56697	0.55539	0.51463	0.48082					
	0.48064						AVRG		0.53553		10.40612
119 Benzo(b)fluoranthene	1.41538	1.49927	1.36899	1.29310	1.19689	1.17317					
	+++++						AVRG		1.32446		9.60722
120 Benzo(k)fluoranthene	1.40670	1.61595	1.43205	1.39969	1.34588	1.22167					
	1.15113						AVRG		1.36758		11.04973
121 Benzo(a)pyrene	1.21201	1.35070	1.22965	1.19571	1.13512	1.10283					
	1.09995						AVRG		1.18942		7.41171

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.54003	0.63095	0.59891	0.57417	0.55555	0.54334					
	0.54347						AVRG		0.56949		6.03535
125 Indeno(1,2,3-cd)pyrene	1.33092	1.48263	1.35059	1.29612	1.22828	1.18387					
	1.18631						AVRG		1.29410		8.23812
126 Dibenz(a,h)anthracene	1.06757	1.21084	1.11633	1.05091	0.99603	0.95299					
	0.95356						AVRG		1.05260		8.95073
127 Benzo(g,h,i)perylene	1.06217	1.21687	1.13106	1.09104	1.03927	0.99907					
	1.00031						AVRG		1.07711		7.21936
176 Diallate (total)	0.13033	0.15350	0.14501	0.14317	0.13671	0.13831					
	0.13905						AVRG		0.14087		5.18479
6 2-Fluorophenol	1.32259	1.54475	1.45585	1.41006	1.36784	1.36074					
	1.36926						AVRG		1.40444		5.32426

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Last Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 12 Phenol-d5	1.66387	1.87043	1.75468	1.69449	1.65456	1.65335					
	1.65525						AVRG		1.70666		4.74250
$ 82 2,4,6-Tribromophenol	0.07590	0.09072	0.08931	0.08791	0.08581	0.08525					
	0.08459						AVRG		0.08564		5.65083
$ 29 Nitrobenzene-d5	0.36272	0.41934	0.39110	0.38165	0.36708	0.36396					
	0.36564						AVRG		0.37878		5.48762
$ 54 2-Fluorobiphenyl	1.30679	1.48130	1.39167	1.34861	1.29937	1.27495					
	1.26465						AVRG		1.33819		5.73563
$ 105 Terphenyl-d14	0.84946	0.94743	0.84900	0.83993	0.79095	0.76775					
	0.76063						AVRG		0.82331		7.75822

STL Austin

INITIAL CALIBRATION DATA

:tart Cal Date : 31-MAY-2007 12:44
ınd Cal Date : 31-MAY-2007 19:49
ɔuant Method : ISTD
'arget Version : 4.14
ntegrator : HP RTE
lethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıast Edit : 04-Jun-2007 09:20 malloym

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Calibration File Names:
Level 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Level 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Level 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Level 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Level 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Level 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Level 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

curve reproceed for additional compound
m 6-6-7

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
26 N-Nitrosomorpholine	0.83470	0.84247	0.76297	0.79606	0.77803	0.77473					
	0.65734						AVRG		0.77804		7.86930
37 a,a-Dimethylphenethylamine	0.65203	0.73622	0.69820	0.70838	0.68701	0.66463					
	0.52870						AVRG		0.66788		10.08615
71 1-Naphthylamine	1.03785	1.07541	1.09492	1.10645	1.11253	1.10894					
	1.07448						AVRG		1.08722		2.45665
73 2-Naphthylamine	1.02269	1.05193	1.08851	1.12051	1.13146	1.12236					
	1.04537						AVRG		1.08326		4.01554

JG 6-6-07

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
89 4-Aminobiphenyl	0.71121	0.71190	0.78176	0.79903	0.78024	0.75888					
	0.72132						AVRG		0.75205		4.90235
99 4-Nitroquinoline-1-oxide	776	2596	12113	25119	39451	50174					
	66584						LINR	0.40942	0.03634		0.99019
100 Methapyrilene	52215	94982	182726	254722	320200	355467					
	+++++						QUAD	0.02937	2.17877	3.21209	0.99952
129 2-Ethoxyethanol	0.73688	0.68831	0.65857	0.66293	0.66002	0.66115					
	0.64951						AVRG		0.67391		4.48442
130 N,N-Dimethylformamide	0.88370	0.86548	0.89907	0.92423	0.91540	0.92424					
	0.91118						AVRG		0.90333		2.44123
131 Propyl cellosolve	1.26909	1.31414	1.25972	1.28535	1.26333	1.24723					
	1.22417						AVRG		1.26615		2.24531
132 Acrylamide	0.31420	0.34450	0.34435	0.36632	0.36385	0.36411					
	0.35722						AVRG		0.35065		5.27171

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
136 o,o,o-Triethylphosphorothioat	0.17393	0.18041	0.16566	0.17208	0.17185	0.17011					
	0.16873						AVRG		0.17182		2.69477
142 p-Phenylenediamine	28477	83105	218644	331932	438728	497778					
	568140						QUAD	0.21080	1.67688	1.39074	0.99556
143 1-Methylnaphthalene	0.62777	0.63707	0.60016	0.61380	0.60857	0.60143					
	0.58988						AVRG		0.61124		2.69622
146 Biphenyl	1.41658	1.38940	1.34895	1.33233	1.31397	1.30969					
	1.25633						AVRG		1.33818		3.97968
149 Diphenyl ether	0.77816	0.77174	0.74847	0.74241	0.73703	0.73260					
	0.70494						AVRG		0.74505		3.31277
150 1,4-Dinitrobenzene	0.15864	0.16855	0.17574	0.18159	0.18688	0.18952					
	0.18628						AVRG		0.17817		6.32602
151 Dimethyl terephthalate	0.22081	0.22175	0.21256	0.21278	0.21075	0.21158					
	0.20503						AVRG		0.21361		2.74184

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	14458	30816	79788	136704	189919	232153					
	301322						WLINR	0.11130	0.25607		0.99773
154 Thionazin	0.24192	0.24883	0.24230	0.24459	0.23588	0.23515					
	0.22428						AVRG		0.23899		3.36616
155 Sulfotepp	0.10402	0.11107	0.10321	0.10414	0.10221	0.09662					
	0.09409						AVRG		0.10219		5.41185
156 Phorate	0.38051	0.39725	0.36862	0.37240	0.36076	0.35569					
	0.34958						AVRG		0.36926		4.37245
157 Dimethoate	0.23278	0.24217	0.21058	0.19428	0.17766	0.16638					
	+++++						AVRG		0.20398		14.76019
158 Disulfoton	0.31298	0.33152	0.30852	0.31066	0.30437	0.29534					
	0.28647						AVRG		0.30712		4.63693
159 Methyl parathion	0.18966	0.20658	0.18459	0.17374	0.16247	0.15370					
	0.14333						AVRG		0.17344		12.68068

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12210	0.13537	0.13101	0.13316	0.12751	0.12515					
	0.12040						AVRG		0.12781		4.40969
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.01072	+++++	+++++					
	+++++						AVRG		0.01072		0.000e+000
164 4,4-Methylenebis(2-chloroa	0.09828	0.10400	0.10022	0.09955	0.10030	0.09705					
	0.09614						AVRG		0.09936		2.60197
167 Dibenz(a,j)acridine	0.83799	0.87208	0.84986	0.87043	0.84054	0.84061					
	0.82296						AVRG		0.84778		2.11214
173 1-Methyl-2-pyrrolidone	0.83215	0.83900	0.78429	0.83412	0.83057	0.83246					
	0.82047						AVRG		0.82472		2.26509

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	150.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
M 177 Aramite (total)	0.13456	0.14434	0.14097	0.14012	0.13810	0.13565						
	0.13071							AVRG		0.13778		3.29461

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7E240144	
I7E250235	
I7E250244	

Method Name/Type: M8270c

Instrument ID: MSN1

Analysis Date: 5/31/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits	✓			✓
Quantified against appropriate standard (see note)	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits			✓	NA
MS/MSD spike % recoveries within limits		✓		
MS/MSD/DUPs RPD within limits		✓		
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer check	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

matrix effect caused probable failure of MS/MSD

Analyst: Mark Malloy *MMalloy* Date: 06/04/07

2nd Review: *Jenai Davis* Date: 6-5-07

Sequence Name: D:\MSN1.I\SEQUENCE\N053107.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N053107.B\
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 Tune	1	N053101	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N053102	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N053103	N053107M	Icalib_1;HSL_010;;1;1;3;;;; 0
4	Sample	4	N053104	N053107M	Icalib_2;HSL_020;;1;2;3;;;; 0
5	Sample	5	N053105	N053107M	Icalib_3;HSL_050;;1;3;3;;;; 0
6	Sample	6	N053106	N053107M	Icalib_4;HSL_075;;1;4;3;;;; 0
7	Sample	7	N053107	N053107M	Icalib_5;HSL_100;;1;5;3;;;; 0
8	Sample	8	N053108	N053107M	Icalib_6;HSL_120;;1;6;3;;;; 0
9	Sample	9	N053109	N053107M	Icalib_7;HSL_150;;1;7;3;;;; 0
10	Sample	10	N053110	N053107M	SSV_1;HSL_75;;0;0;3;;;; 06MSS
11	Sample	11	N053111	N053107M	Icalib_1;APPIX_010;;1;1;3;;;;
12	Sample	12	N053112	N053107M	Icalib_2;APPIX_020;;1;2;3;;;;
13	Sample	13	N053113	N053107M	Icalib_3;APPIX_050;;1;3;3;;;;
14	Sample	14	N053114	N053107M	Icalib_4;APPIX_075;;1;4;3;;;;
15	Sample	15	N053115	N053107M	Icalib_5;APPIX_100;;1;5;3;;;;
16	Sample	16	N053116	N053107M	Icalib_6;APPIX_120;;1;6;3;;;;
17	Sample	17	N053117	N053107M	Icalib_7;APPIX_150;;1;7;3;;;;
18	Sample	18	N053118	N053107M	SSV_2;APPIX_075;;0;3;3;;;; SM
19	Sample	19	N053119	N053107M	SSV_3;APPIX_075;;0;3;3;;;; SM
20	Sample	20	N053120	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
21	Sample	21	N053121	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
22	Sample	22	N053122	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
23	Sample	23	N053123	N053107M	JXM881AAB;I7E240000-466;1;0;;
24	Sample	24	N053124	N053107M	JXLRN2AA;I7E240144-07;100;0;;
25	Sample	25	N053125	N053107M	JXLR02AA;I7E240144-08;10;0;;1
26	Sample	26	N053126	N053107M	JXLR22AA;I7E240144-10;50;0;;1
27	Sample	27	N053127	N053107M	JXQXL1AA;I7E250244-07;1;0;;1;
28	Sample	28	N053128	N053107M	JXQXL1AKS;I7E250244-07S;1;0;;
29	Sample	29	N053129	N053107M	JXQXL1ALD;I7E250244-07D;1;0;;
30	Sample	30	N053130	N053107M	JXQRN1AA;I7E250235-02;1;0;;1;
31	Sample	31	N053131	N053107M	JXQRX1AA;I7E250235-06;1;0;;1;
32	Sample	32	N053132	N053107M	JXQR11AA;I7E250235-07;1;0;;1;
33	Sample	33	N053133	N053107M	JXQR41AA;I7E250235-08;1;0;;1;
34	Sample	34	N053134	N053107M	JXW4K1AA;I7E250242-03;1;0;;1;
35	Sample	35	N053135	N053107M	JXQT51AA;I7E250244-01;1;0;;1;
36	Sample	36	N053136	N053107M	JXQVH1AA;I7E250244-02;1;0;;1;
37	Sample	37	N053137	N053107M	JXQVN1AA;I7E250244-03;1;0;;1;
38	Sample	38	N053138	N053107M	JXQVT1AA;I7E250244-04;1;0;;1;
39	Sample	39	N053139	N053107M	JXQVV1AA;I7E250244-05;1;0;;1;
40	Sample	40	N053140	N053107M	JXQW41AA;I7E250244-06;1;0;;1;
41	Sample	41	N053141	N053107M	JXQX11AA;I7E250244-08;1;0;;1;
42	Sample	42	N053142	N053107M	JXQXL2AA;I7E250244-07;50;0;;1
43					

STL AUSTIN

ANALYST / DATE: Mark Malloy 6-4-7

INSTRUMENT GCMS-N1 (MSD4)

METHOD / TEST: M8270C

SHIFT (Circle) 1 2 3

SOP #: AWS MS 0005

COMPUTER CLOCK DATE / TIME:

DAILY CHECK ✓	INSERT CHANGED ✓	SEPTA CHANGED	COLUMN CHANGED	AUTOSAMPLER MAINT.
M PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.U

Elect Mult. 1471 volts

Tuning Performance (circle one):

DFTPP Autotune Other

Sampling Rate 2^n 1

Scan Range 35-500 amu

Interface (circle one):

Direct Jet Separator Other

GC PROGRAM:

GC Meth. WS 3107M

Inj. Temp: 270 C

Carrier Gas: Helium

Flow/Pressure 3.45 psi 15

Initial Temp. 50 C

Init.Hold 2.75 min

Ramp 15 C/min

Final Temp. 320 C

Final Hold 3.66 min

Other Program or Special Conditions:

GC COLUMN:

Column ID#: MSD #762

Phases/Loadings: MX MS #5

(Circle one) Packed Capillary

i.d. 0.25 mm Length 30 m

Injection Type (Circle & Describe): Purge & Trap

Split Splitless purge

INSTRUMENT SEQUENCE:

Sequence Name: D:\MSN1.I\SEQUENCE\N053107.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N053107.B\
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	N053101	NDFTPP	DFTPP;DFTPP;;SMTuneSTK_0001
2	Sample	2	N053102	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N053103	N053107M	Icalib_1;HSL_010;;1;1;3;;;; 0
4	Sample	4	N053104	N053107M	Icalib_2;HSL_020;;1;2;3;;;; 0
5	Sample	5	N053105	N053107M	Icalib_3;HSL_050;;1;3;3;;;; 0
6	Sample	6	N053106	N053107M	Icalib_4;HSL_075;;1;4;3;;;; 0
7	Sample	7	N053107	N053107M	Icalib_5;HSL_100;;1;5;3;;;; 0
8	Sample	8	N053108	N053107M	Icalib_6;HSL_120;;1;6;3;;;; 0
9	Sample	9	N053109	N053107M	Icalib_7;HSL_150;;1;7;3;;;; 0
10	Sample	10	N053110	N053107M	SSV_1;HSL_75;;0;0;3;;;; 06MSS
11	Sample	11	N053111	N053107M	Icalib_1;APPIX_010;;1;1;3;;;;
12	Sample	12	N053112	N053107M	Icalib_2;APPIX_020;;1;2;3;;;;
13	Sample	13	N053113	N053107M	Icalib_3;APPIX_050;;1;3;3;;;;
14	Sample	14	N053114	N053107M	Icalib_4;APPIX_075;;1;4;3;;;;
15	Sample	15	N053115	N053107M	Icalib_5;APPIX_100;;1;5;3;;;;
16	Sample	16	N053116	N053107M	Icalib_6;APPIX_120;;1;6;3;;;;
17	Sample	17	N053117	N053107M	Icalib_7;APPIX_150;;1;7;3;;;;
18	Sample	18	N053118	N053107M	SSV_2;APPIX_075;;0;3;3;;;; SM
19	Sample	19	N053119	N053107M	SSV_3;APPIX_075;;0;3;3;;;; SM
20	Sample	20	N053120	NDFTPP	DFTPP;DFTPP;;SMTuneSTK_0001
21	Sample	21	N053121	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
22	Sample	22	N053122	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
23	Sample	23	N053123	N053107M	JXMB81AAB;I7E240000-466;1;0;;
24	Sample	24	N053124	N053107N	JXLRN2AA;I7E240144-07;100;0;;
25	Sample	25	N053125	N053107N	JXLR02AA;I7E240144-08;10;0;;1
26	Sample	26	N053126	N053107M	JXLR2AA;I7E240144-10;50;0;;1
27	Sample	27	N053127	N053107M	JXQXL1AA;I7E250244-07;1;0;;1;
28	Sample	28	N053128	N053107M	JXQXL1AKS;I7E250244-07S;1;0;;
29	Sample	29	N053129	N053107M	JXQXL1ALD;I7E250244-07D;1;0;;
30	Sample	30	N053130	N053107M	JXQRW1AA;I7E250235-02;1;0;;1;
31	Sample	31	N053131	N053107M	JXQRX1AA;I7E250235-06;1;0;;1;
32	Sample	32	N053132	N053107M	JXQR1AA;I7E250235-07;1;0;;1;
33	Sample	33	N053133	N053107M	JXQR4AA;I7E250235-08;1;0;;1;
34	Sample	34	N053134	N053107M	JXW4K1AA;I7E250242-03;1;0;;1;
35	Sample	35	N053135	N053107M	JXQT5AA;I7E250244-01;1;0;;1;
36	Sample	36	N053136	N053107M	JXQVH1AA;I7E250244-02;1;0;;1;
37	Sample	37	N053137	N053107M	JXQVN1AA;I7E250244-03;1;0;;1;
38	Sample	38	N053138	N053107M	JXQVT1AA;I7E250244-04;1;0;;1;
39	Sample	39	N053139	N053107M	JXQVV1AA;I7E250244-05;1;0;;1;
40	Sample	40	N053140	N053107M	JXQW41AA;I7E250244-06;1;0;;1;
41	Sample	41	N053141	N053107M	JXQX1AA;I7E250244-08;1;0;;1;
42	Sample	42	N053142	N053107M	JXQXL2AA;I7E250244-07;50;0;;1
43					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

1st shift

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N053107.B

Lab File ID: N053101 DFTPP Injection Date: 05/31/07

Instrument ID: MSN1 DFTPP Injection Time: 1129

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.0
70	Less than 2.0% of mass 69	0.1 (0.4)1
127	40.0 - 60.0% of mass 198	50.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	27.1
365	Greater than 1.0% of mass 198	2.83
441	Present, but less than mass 443	11.1
442	Greater than 40.0% of mass 198	77.1
443	17.0 - 23.0% of mass 442	15.1 (19.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N053102	05/31/07	1148
02	HSL_010	ICALIB_1	N053103	05/31/07	1244
03	HSL_020	ICALIB_2	N053104	05/31/07	1314
04	HSL_050	ICALIB_3	N053105	05/31/07	1344
05	HSL_075	ICALIB_4	N053106	05/31/07	1418
06	HSL_100	ICALIB_5	N053107	05/31/07	1448
07	HSL_120	ICALIB_6	N053108	05/31/07	1518
08	HSL_150	ICALIB_7	N053109	05/31/07	1548
09	APPIX_010	ICALIB_1	N053111	05/31/07	1648
10	APPIX_020	ICALIB_2	N053112	05/31/07	1718
11	APPIX_050	ICALIB_3	N053113	05/31/07	1749
12	APPIX_075	ICALIB_4	N053114	05/31/07	1819
13	APPIX_100	ICALIB_5	N053115	05/31/07	1849
14	APPIX_120	ICALIB_6	N053116	05/31/07	1919
15	APPIX_150	ICALIB_7	N053117	05/31/07	1949
16					
17					
18					
19					
20					
21					
22					

FORM V SV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D Page 1
Report Date: 31-May-2007 13:59

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 31-MAY-2007 11:29
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.602	7.803	-0.201	198	266176			0.00- 100.00	100.00
7.602	8.311	-0.709	51	101672			30.00- 60.00	38.20
7.602	8.311	-0.709	68	0	0.0	0.0	0.00- 2.00	0.00
7.602	8.311	-0.709	69	109192			0.00- 0.00	41.02
7.602	8.311	-0.709	70	388			0.00- 2.00	0.36
7.602	8.311	-0.709	127	134528			40.00- 60.00	50.54
7.602	8.311	-0.709	197	0	0.0	0.0	0.00- 1.00	0.00
7.602	8.311	-0.709	199	18208			5.00- 9.00	6.84
7.602	8.311	-0.709	275	72224			10.00- 30.00	27.13
7.602	8.311	-0.709	365	7528			1.00- 0.00	2.83
7.602	8.311	-0.709	441	29624			0.01- 99.99	73.75
7.602	8.311	-0.709	442	205184			40.00- 0.00	77.09
7.602	8.311	-0.709	443	40168			17.00- 23.00	19.58

6-1-07

JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D

Page 2

Date : 31-MAY-2007 11:29

Client ID: DFTPP

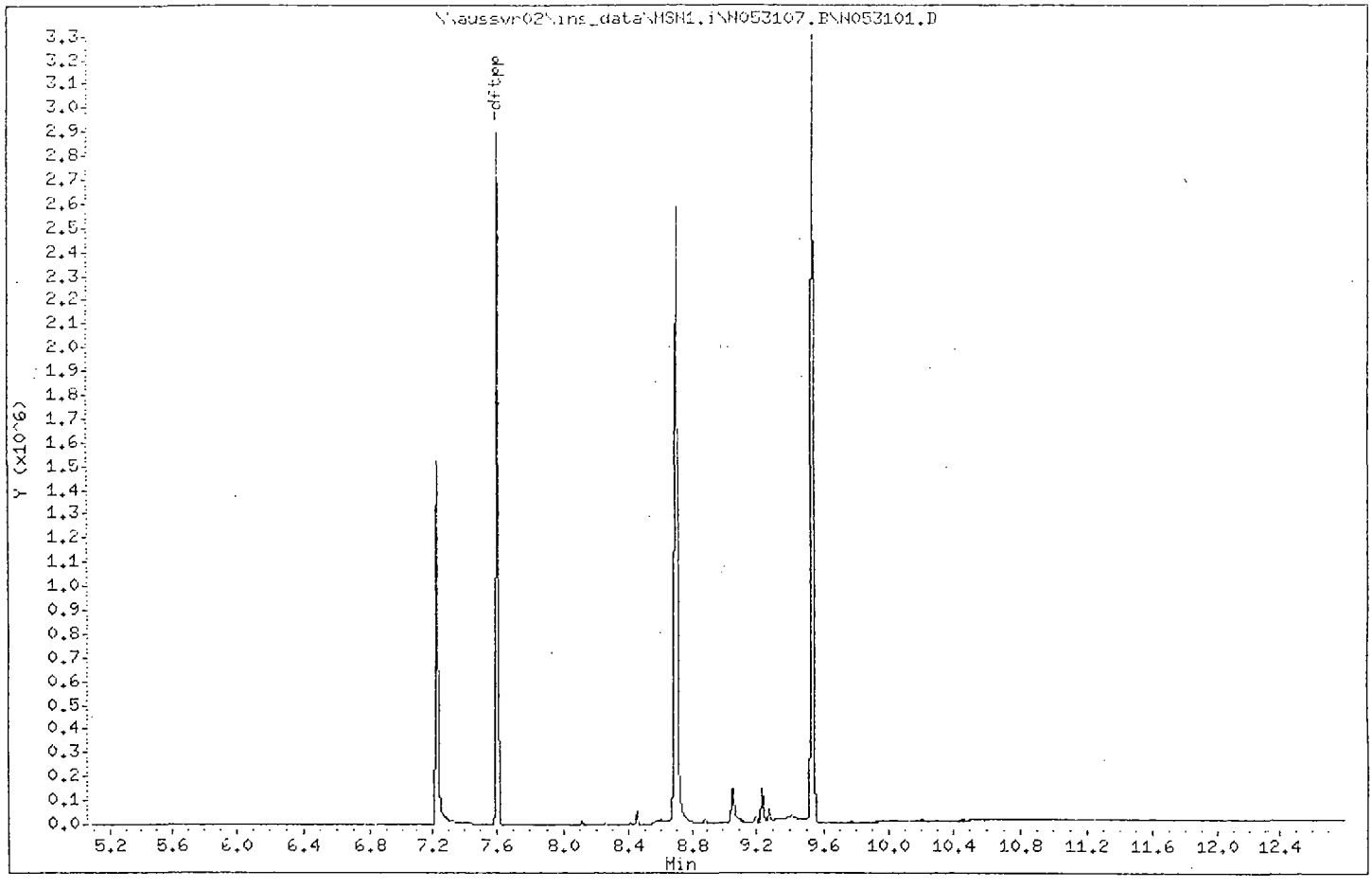
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ms_data\MSN1.i\N053107.B\N053101.D

Page 3

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

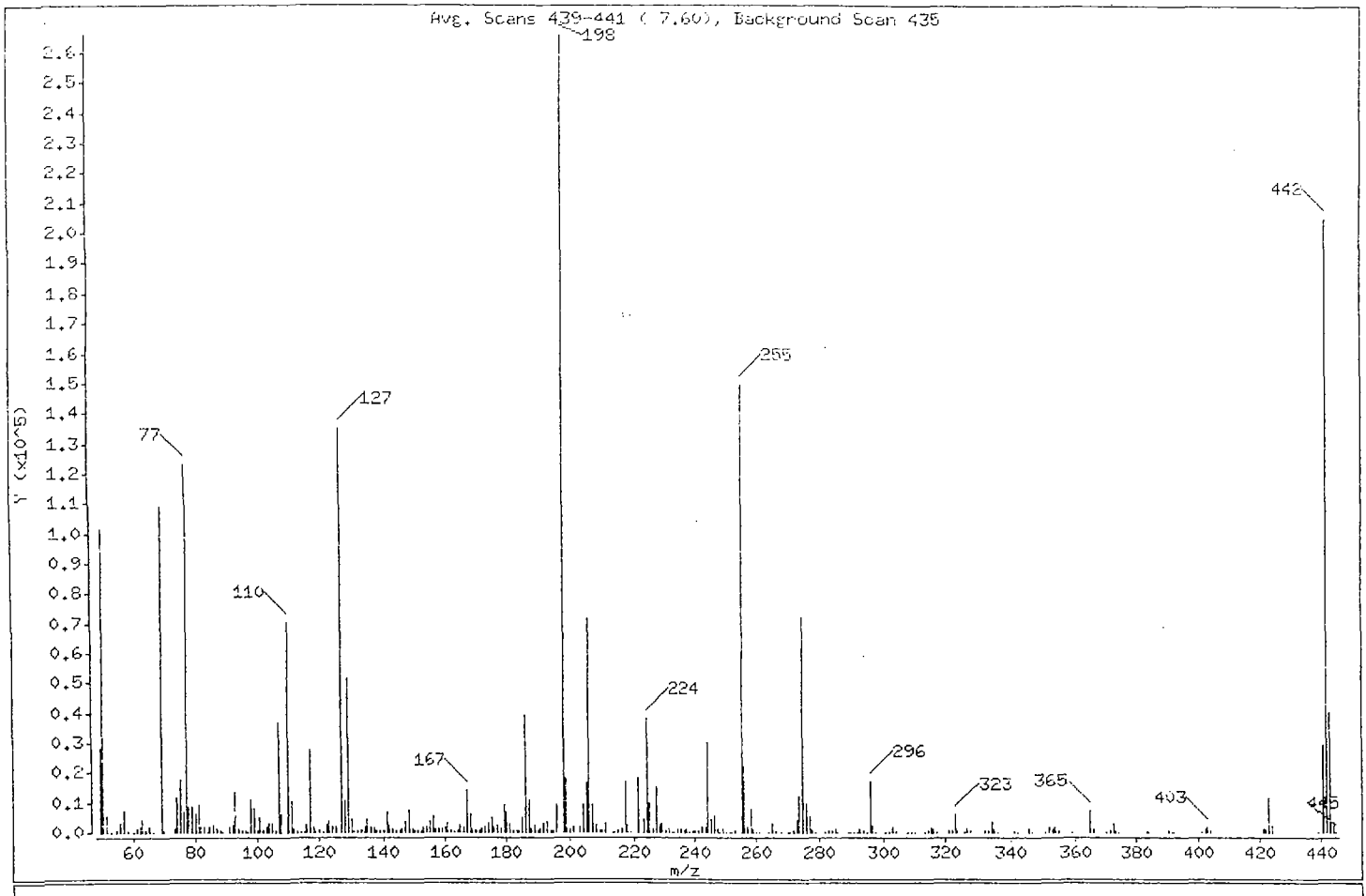
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.20
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.02
70	Less than 2.00% of mass 69	0.15 (0.36)
127	40.00 - 60.00% of mass 198	50.54
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	27.13
365	Greater than 1.00% of mass 198	2.83
441	Present, but less than mass 443	11.13
442	Greater than 40.00% of mass 198	77.09
443	17.00 - 23.00% of mass 442	15.09 (19.58)

Data File: \\aussvr02\ins_data\MSN1.I\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N053101.D
Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435
Location of Maximum: 198.00
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27928	131.00	842	205.00	16456	289.00	203
51.00	101672	132.00	545	206.00	71656	290.00	143
52.00	5370	133.00	373	207.00	9128	291.00	104
53.00	227	134.00	1632	208.00	2393	292.00	208
55.00	626	135.00	4162	209.00	775	293.00	1313
56.00	3304	136.00	1634	210.00	689	294.00	341
57.00	7179	137.00	2117	211.00	2961	295.00	260
58.00	330	138.00	481	213.00	141	296.00	17208
60.00	110	139.00	330	214.00	53	297.00	2603
61.00	1386	140.00	686	215.00	807	298.00	138
62.00	1630	141.00	6578	216.00	1456	301.00	270
63.00	4401	142.00	2255	217.00	17184	302.00	301
64.00	649	143.00	1519	218.00	2316	303.00	2063
65.00	2135	144.00	426	219.00	214	304.00	599
66.00	175	145.00	368	221.00	18112	308.00	278
69.00	109192	146.00	1290	223.00	4031	309.00	140
70.00	388	147.00	3423	224.00	38072	310.00	229
73.00	1057	148.00	7171	225.00	9756	313.00	121
74.00	11632	149.00	1467	226.00	1059	314.00	892
75.00	17792	150.00	367	227.00	15275	315.00	1999
76.00	6921	151.00	900	228.00	2252	316.00	1158
77.00	123280	152.00	397	229.00	3253	317.00	159
78.00	8609	153.00	2100	230.00	514	321.00	608
79.00	8578	154.00	1597	231.00	1402	322.00	328
80.00	6416	155.00	3662	232.00	286	323.00	5957
81.00	8897	156.00	5599	233.00	292	324.00	1026
82.00	2109	157.00	1168	234.00	945	326.00	64
83.00	2043	158.00	1347	235.00	1116	327.00	1045
84.00	262	159.00	949	236.00	780	328.00	555
85.00	1622	160.00	2055	237.00	1209	332.00	412
86.00	2596	161.00	3012	238.00	154	333.00	607
87.00	1237	162.00	852	239.00	655	334.00	3695
88.00	439	163.00	295	240.00	463	335.00	1015
89.00	247	164.00	405	241.00	868	336.00	52
91.00	2096	165.00	2473	242.00	1909	341.00	610

Data File: \\aussvr02\ms_data\MSN1.i\N053107.B\N053101.D

Page 5

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N053101.D

Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	2376	166.00	2126	243.00	2057	342.00	163
93.00	13631	167.00	13782	244.00	29912	346.00	1206
94.00	964	168.00	5919	245.00	4045	347.00	177
95.00	336	169.00	1050	246.00	5620	351.00	62
96.00	733	170.00	515	247.00	1125	352.00	1674
97.00	122	171.00	667	248.00	278	353.00	1323
98.00	10762	172.00	1259	249.00	1045	354.00	1953
99.00	8226	173.00	1541	250.00	187	355.00	372
100.00	818	174.00	2852	251.00	261	359.00	119
101.00	4822	175.00	5059	252.00	265	365.00	7528
102.00	319	176.00	1652	253.00	709	366.00	1082
103.00	1767	177.00	2624	255.00	149056	370.00	154
104.00	3347	178.00	931	256.00	21896	371.00	405
105.00	3015	179.00	9445	257.00	1811	372.00	3086
106.00	336	180.00	6471	258.00	8148	373.00	816
107.00	36952	181.00	2999	259.00	1336	374.00	66
108.00	5896	182.00	530	260.00	253	383.00	806
110.00	70440	183.00	330	261.00	235	384.00	178
111.00	10581	184.00	840	264.00	213	390.00	405
112.00	1281	185.00	4784	265.00	3270	391.00	264
113.00	411	186.00	39072	266.00	409	392.00	198
114.00	59	187.00	11034	268.00	16	401.00	149
115.00	245	188.00	1135	270.00	220	402.00	1144
116.00	2397	189.00	2406	271.00	296	403.00	1733
117.00	27296	190.00	407	272.00	379	404.00	615
118.00	2113	191.00	1101	273.00	4291	421.00	1440
119.00	297	192.00	3006	274.00	12222	422.00	1483
120.00	506	193.00	3430	275.00	72224	423.00	11877
121.00	151	194.00	710	276.00	9521	424.00	2284
122.00	2751	195.00	633	277.00	5668	425.00	214
123.00	3910	196.00	9353	278.00	961	439.00	220
124.00	1789	198.00	266176	279.00	152	441.00	29624
125.00	1631	199.00	18208	282.00	50	442.00	205184
127.00	134528	200.00	1510	283.00	622	443.00	40168
128.00	10588	201.00	1668	284.00	408	444.00	3865

Data File: \\aussvr02\ms_data\MSN1.i\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SNTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

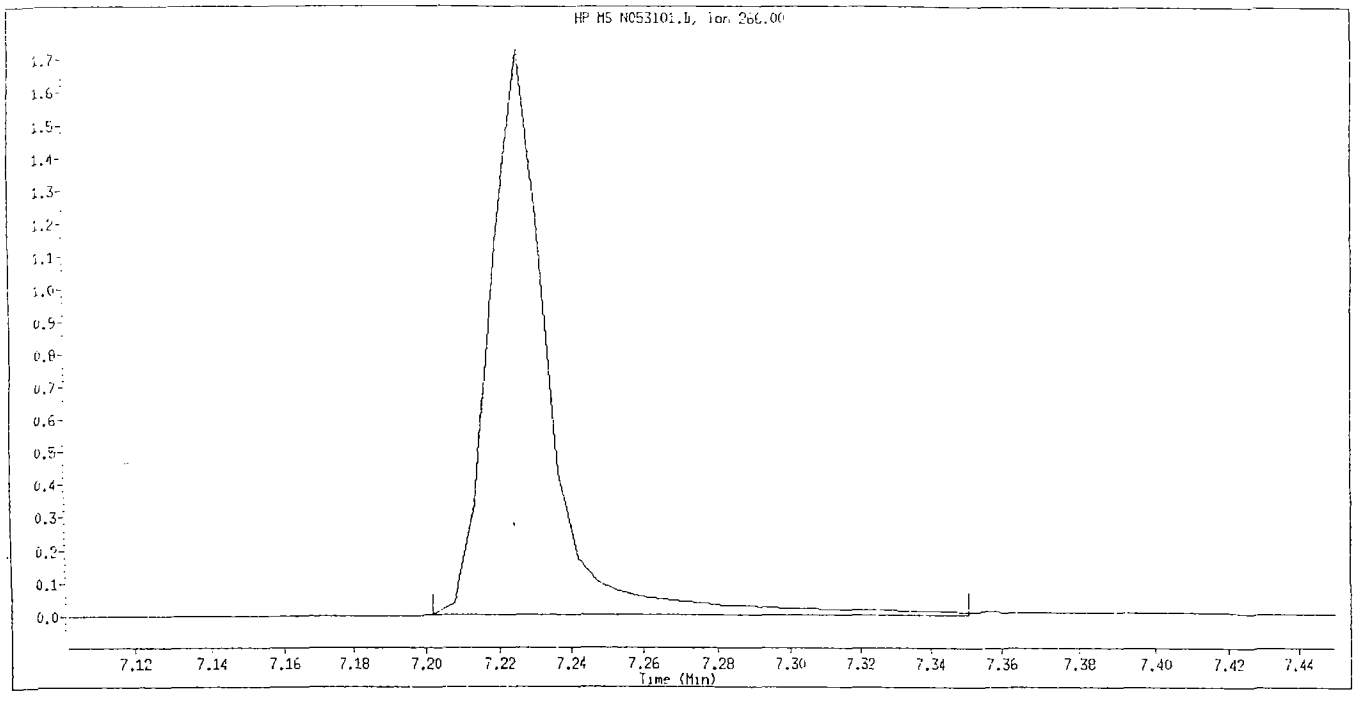
Column diameter: 0.25

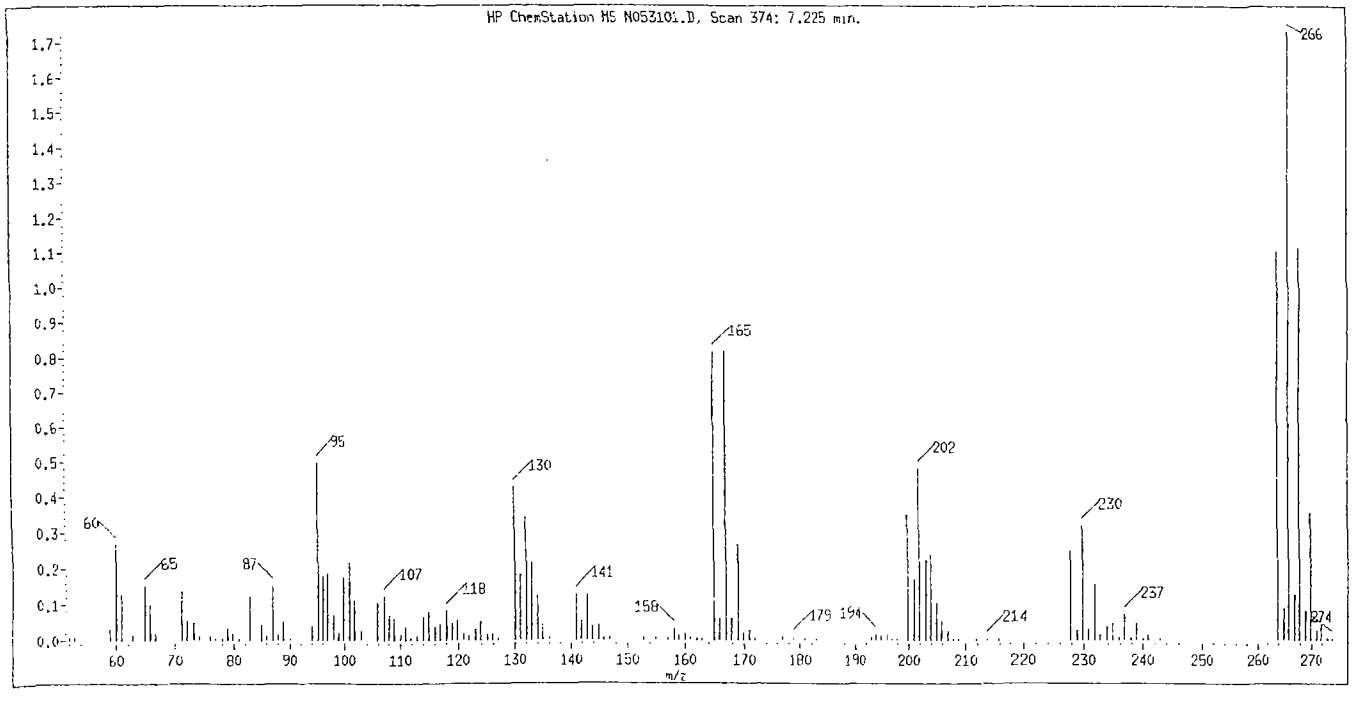
Data File: N053101.D
Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435
Location of Maximum: 198.00
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	51472	203.00	1959	285.00	954	445.00	185
130.00	4424	204.00	9419	286.00	149		

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 05/31/2007

TAILING FACTOR

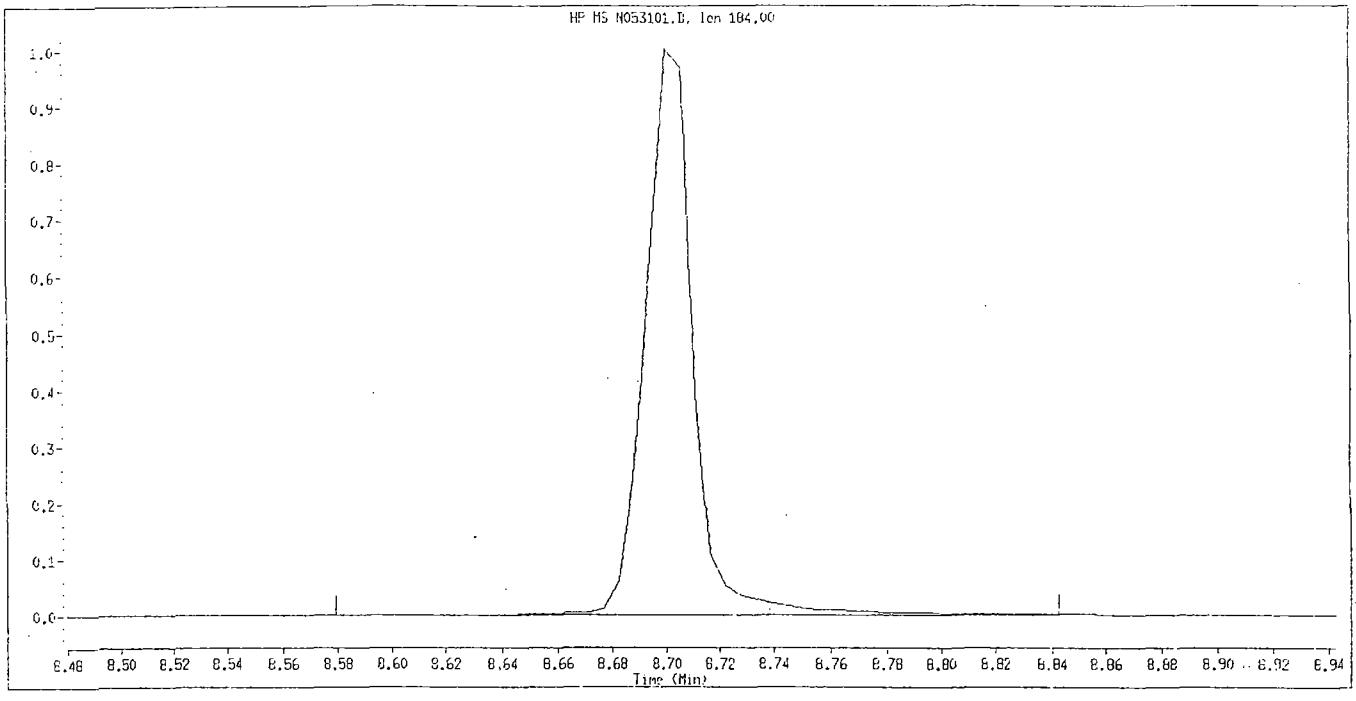


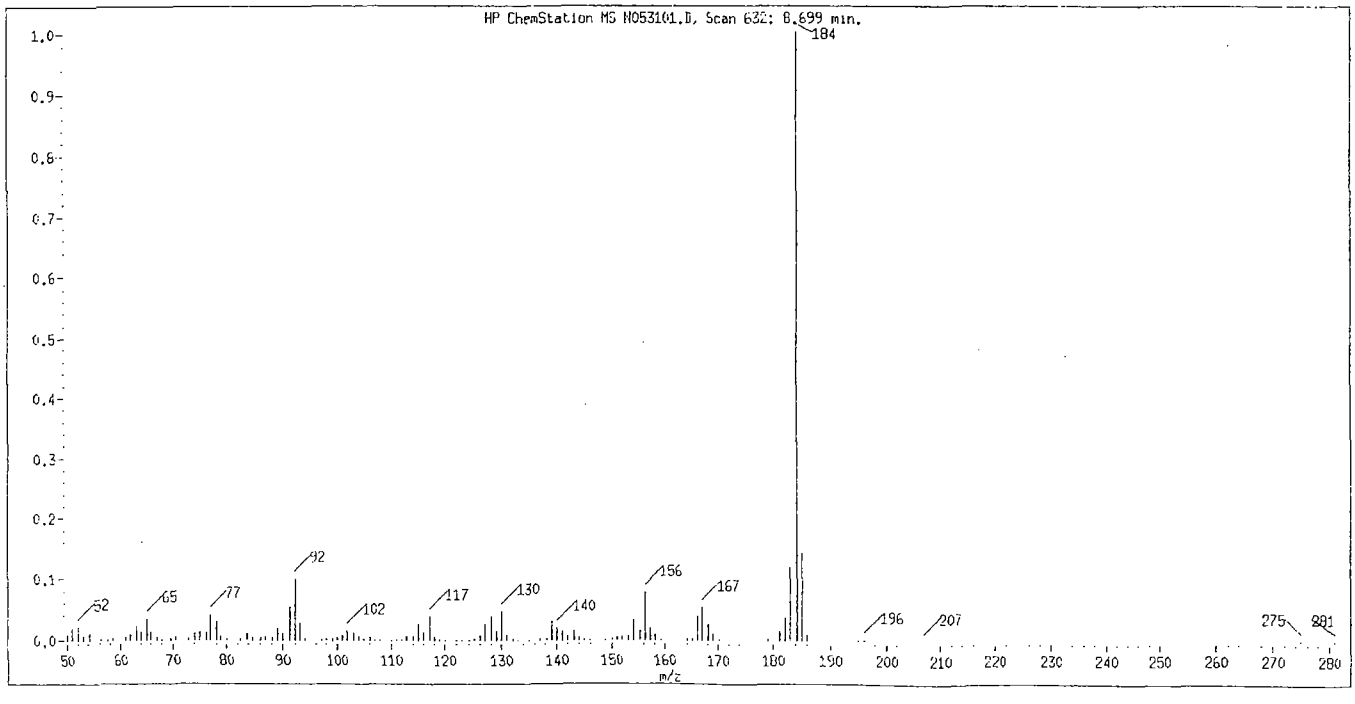


Tailing Factor = 1.18 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.21026 T2 = 7.224783 T3 = 7.241894

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 05/31/2007

TAILING FACTOR

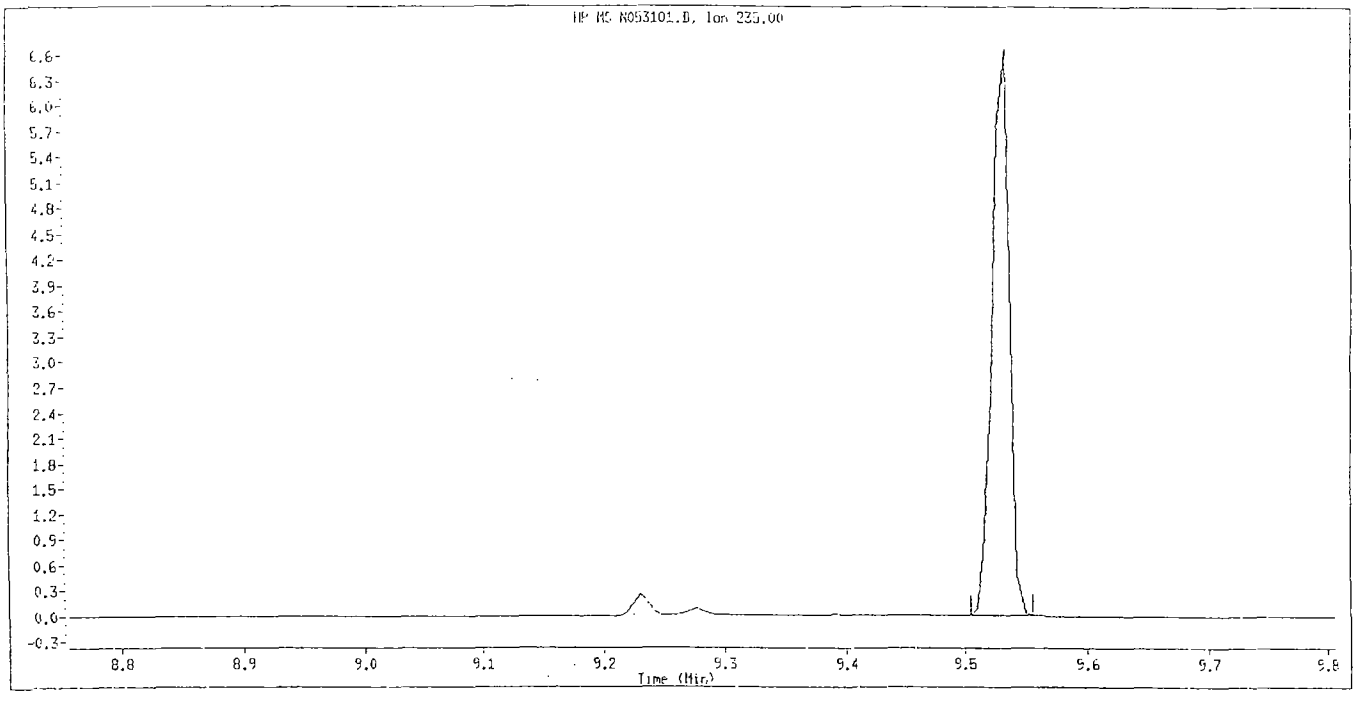




Tailing Factor = 1.15 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.683475 T2 = 8.699383 T3 = 8.717636

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 05/31/2007

DEGRADATION REPORT



Degradation = 4.55% Good
Acceptance Criteria 0 - 20 %
DDT Area = 673545
DDE Area = 23938
DDD Area = 8167

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 1
Report Date: 31-May-2007 14:02

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D
Lab Smp Id: Icalib_1 Client Smp ID: HSL_010
Inj Date : 31-MAY-2007 12:44
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;HSL_010;;1;1;3;;;; 06MSSV440
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N051507M.M
Meth Date : 31-May-2007 13:59 malloym Quant Type: ISTD
Cal Date : 17-MAY-2007 14:06 Cal File: N051709.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.262	7.265	(1.000)	135309	40.0000		REV
* 40 Naphthalene-d8	136	9.248	9.256	(1.000)	510016	40.0000		REV
* 64 Acenaphthene-d10	164	12.053	12.056	(1.000)	278734	40.0000		REV
* 93 Phenanthrene-d10	188	14.400	14.408	(1.000)	477850	40.0000		REV
* 114 Chrysene-d12	240	18.652	18.660	(1.000)	420782	40.0000		REV
* 122 Perylene-d12	264	20.794	20.802	(1.000)	372282	40.0000		REV
$ 6 2-Fluorophenol	112	5.406	5.414	(0.744)	89479	20.0000	19.423	REV
$ 12 Phenol-d5	99	6.836	6.855	(0.941)	112568	20.0000	20.434	REV
$ 82 2,4,6-Tribromophenol	330	13.338	13.345	(0.926)	18135	20.0000	15.789	REV
$ 29 Nitrobenzene-d5	82	8.174	8.187	(0.884)	46248	10.0000	9.8552	REV
$ 54 2-Fluorobiphenyl	172	10.980	10.987	(0.911)	91062	10.0000	9.6585	REV
$ 105 Terphenyl-d14	244	16.963	16.966	(0.909)	89359	10.0000	10.424	REV
1 Pyridine	79	3.135	3.116	(0.432)	45254	10.0000	9.7834	REV
2 N-Nitrosodimethylamine	74	3.145	3.159	(0.433)	26472	10.0000	10.213	REV
3 2-Picoline	93	4.419	4.405	(0.608)	51606	10.0000	9.7337	REV
4 N-Nitrosomethylethylamine	88	4.678	4.675	(0.644)	23498	10.0000	9.7402	REV
5 Methyl methanesulfonate	80	5.180	5.198	(0.713)	26834	10.0000	10.544	REV
7 N-Nitrosodiethylamine	102	5.757	5.765	(0.793)	22151	10.0000	9.4504	REV
8 Ethyl methanesulfonate	79	6.237	6.245	(0.859)	33900	10.0000	10.231	REV
9 Pentachloroethane	117	6.825	6.828	(0.940)	15981	10.0000	10.168	REV
10 Aniline	93	6.847	6.849	(0.943)	70176	10.0000	10.126	REV
11 bis(2-Chloroethyl)ether	93	6.922	6.936	(0.953)	45772	10.0000	9.8919	REV
13 Phenol	94	6.858	6.871	(0.944)	64494	10.0000	10.198	REV
14 2-Chlorophenol	128	7.014	7.022	(0.966)	49041	10.0000	9.8371	REV
15 1,3-Dichlorobenzene	146	7.203	7.211	(0.992)	52682	10.0000	9.7618	REV
16 1,4-Dichlorobenzene	146	7.284	7.292	(1.003)	54829	10.0000	10.102	REV
18 1,2-Dichlorobenzene	146	7.575	7.578	(1.043)	50590	10.0000	9.9123	REV
19 Benzyl Alcohol	108	7.532	7.540	(1.037)	28933	10.0000	9.6207	REV
20 bis(2-Chloroisopropyl)ether	45	7.748	7.750	(1.067)	56070	10.0000	12.006	REV
21 2-Methylphenol	108	7.748	7.756	(1.067)	42892	10.0000	9.9860	REV
22 Acetophenone	105	7.937	7.944	(1.093)	62012	10.0000	9.9253	REV
23 N-Nitroso-di-n-propylamine	70	7.969	7.993	(1.097)	33282	10.0000	10.313	REV
24 N-Nitrosopyrrolidine	100	7.947	7.977	(1.094)	21972	10.0000	9.7929	REV

6-1-07

6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 2
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.974	7.993	(1.098)	93420	20.0000	21.479	REV
27 o-Toluidine	106	8.001	8.020	(1.102)	70589	10.0000	9.9920(Q)	REV
28 Hexachloroethane	117	8.034	8.042	(1.106)	19260	10.0000	10.013	REV
30 Nitrobenzene	77	8.201	8.214	(0.887)	49067	10.0000	10.173	REV
31 N-Nitrosopiperidine	114	8.438	8.457	(0.912)	21263	10.0000	9.3644	REV
32 Isophorone	82	8.552	8.565	(0.925)	83107	10.0000	9.8801	REV
33 2-Nitrophenol	139	8.703	8.705	(0.941)	22351	10.0000	8.6898	REV
34 2,4-Dimethyphenol	107	8.778	8.786	(0.949)	46739	10.0000	9.7073	REV
35 Bis(2-chloroethoxy)methane	93	8.908	8.916	(0.963)	47459	10.0000	9.7615	REV
36 2,4-Dichlorophenol	162	9.081	9.083	(0.982)	34618	10.0000	9.1744	REV
38 1,2,4-Trichlorobenzene	180	9.183	9.191	(0.993)	40365	10.0000	9.4328	REV
39 Benzoic Acid	122	8.994	9.034	(0.973)	2349	10.0000	10.483(Q)	REV
41 Naphthalene	128	9.286	9.288	(1.003)	134206	10.0000	10.026	REV
42 4-Chloroaniline	127	9.420	9.428	(1.019)	52548	10.0000	9.5409	REV
43 2,6-Dichlorophenol	162	9.426	9.434	(1.019)	35362	10.0000	9.3883	REV
44 Hexachloropropene	213	9.464	9.466	(1.023)	20987	10.0000	8.5634	REV
45 Hexachlorobutadiene	225	9.555	9.558	(1.033)	24288	10.0000	9.3495	REV
46 N-Nitroso-di-n-butylamine	84	9.960	9.968	(1.077)	27823	10.0000	9.6690	REV
47 4-Chloro-3-Methylphenol	107	10.214	10.216	(1.104)	37232	10.0000	9.2819	REV
48 Safrole	162	10.246	10.248	(1.108)	32293	10.0000	9.1060	REV
49 2-Methylnaphthalene	142	10.365	10.372	(1.121)	84882	10.0000	9.5993	REV
50 Hexachlorocyclopentadiene	237	10.726	10.723	(0.890)	299	10.0000	15.078(QM)	NOID
51 1,2,4,5-Tetrachlorobenzene	216	10.699	10.702	(0.888)	38251	10.0000	9.2919	REV
52 2,4,6-Trichlorophenol	196	10.883	10.885	(0.903)	21122	10.0000	8.3453	REV
53 2,4,5-Trichlorphenol	196	10.964	10.961	(0.910)	22862	10.0000	8.4277	REV
55 2-Chloronaphthalene	127	11.142	11.144	(0.924)	30762	10.0000	9.7718	REV
56 Isosafrole	162	11.061	11.068	(0.918)	32238	10.0000	9.5615	REV
57 2-Nitroaniline	65	11.384	11.398	(0.944)	22352	10.0000	9.7057	REV
58 1,4-Naphthoquinone	158	11.455	11.462	(0.950)	25651	10.0000	8.6995	REV
59 Dimethylphthalate	163	11.703	11.716	(0.971)	85463	10.0000	9.4842	REV
60 2,6-Dinitrotoluene	165	11.827	11.840	(0.981)	19886	10.0000	9.4598	REV
61 1,3-Dinitrobenzene	168	11.762	11.770	(0.976)	13147	10.0000	8.1116	REV
62 Acenaphthylene	152	11.811	11.818	(0.980)	128810	10.0000	10.034	REV
63 3-Nitroaniline	138	12.053	12.067	(1.000)	21020	10.0000	9.1817	REV
65 Acenaphthene	153	12.102	12.110	(1.004)	77525	10.0000	9.9118	REV
66 2,4-Dinitrophenol	184	12.248	12.239	(1.016)	1641	10.0000	15.110	REV
67 Dibenzofuran	168	12.356	12.363	(1.025)	109241	10.0000	9.9915	REV
68 4-Nitrophenol	109	12.404	12.401	(1.029)	8238	10.0000	13.619	REV
69 Pentachlorobenzene	250	12.393	12.401	(1.028)	31500	10.0000	9.1105	REV
70 2,4-Dinitrotoluene	165	12.453	12.471	(1.033)	24229	10.0000	8.5131	REV
72 2,3,4,6-tetrachlorophenol	232	12.647	12.655	(1.049)	14975	10.0000	6.9081	REV
74 Diethylphthalate	149	12.820	12.838	(1.064)	81313	10.0000	9.2152	REV
75 4-Chlorophenyl-phenylether	204	12.900	12.908	(1.070)	43218	10.0000	9.4786	REV
76 Fluorene	166	12.906	12.914	(1.071)	85076	10.0000	9.7534	REV
77 5-Nitro-o-toluidine	152	13.003	13.027	(1.079)	23477	10.0000	8.7183	REV
78 4,6-Dinitro-2-methylphenol	198	13.100	13.124	(0.910)	8895	10.0000	7.4158(Q)	REV
79 4-Nitroaniline	138	13.035	13.070	(1.081)	20288	10.0000	9.1254	REV
80 N-Nitrosodiphenylamine/DPA	169	13.116	13.135	(1.088)	76026	10.0000	9.4456	REV
81 Azobenzene	77	13.154	13.162	(0.913)	82660	10.0000	10.802	REV
83 Diallate #1	234	13.618	13.620	(0.946)	12540	10.0000		REV
84 4-Bromophenyl-phenylether	248	13.677	13.680	(0.950)	23845	10.0000	9.4599	REV
85 Phenacetin	108	13.677	13.723	(0.950)	38708	10.0000	9.8796	REV
86 Diallate #2	234	13.748	13.755	(0.955)	3030	10.0000		REV
87 Hexachlorobenzene	284	13.915	13.923	(0.966)	23260	10.0000	9.0251	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 3
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.694	13.723	(0.951)	17871	10.0000	8.8340	REV
90 Pentachlorophenol	266	14.228	14.230	(0.988)	3350	10.0000	6.9923	REV
91 Pronamide	173	14.266	14.279	(0.991)	34335	10.0000	9.5250	REV
92 Pentachloronitrobenzene	295	14.330	14.343	(0.995)	4322	10.0000	8.6053	REV
94 Phenanthrene	178	14.433	14.446	(1.002)	122799	10.0000	10.088	REV
95 Anthracene	178	14.503	14.516	(1.007)	123669	10.0000	10.037	REV
96 Dinoseb	211	14.508	14.516	(1.007)	12037	10.0000	8.5855	REV
97 Carbazole	167	14.789	14.802	(1.027)	108522	10.0000	9.5073	REV
98 Di-n-Butylphthalate	149	15.404	15.406	(1.070)	132882	10.0000	10.022	REV
101 Isodrin	193	16.111	16.113	(1.119)	13056	10.0000	9.3541	REV
102 Fluoranthene	202	16.343	16.351	(1.135)	136836	10.0000	9.9809	REV
103 Benzidine	184	16.586	16.588	(0.889)	45239	10.0000	8.5302	REV
104 Pyrene	202	16.704	16.712	(0.896)	140639	10.0000	10.910	REV
106 4-Dimethylaminoazobenzene	120	17.217	17.225	(0.923)	33623	10.0000	10.160	REV
107 Chlorobenzilate	251	17.292	17.300	(0.927)	36809	10.0000	9.9322	REV
109 3,3'-Dimethylbenzidine	212	17.756	17.764	(0.952)	67139	10.0000	9.9793	REV
110 Butylbenzylphthalate	149	17.794	17.797	(0.954)	58822	10.0000	11.005	REV
111 2-Acetylaminofluorene	181	18.199	18.217	(0.976)	46935	10.0000	9.1807	REV
112 3,3'-Dichlorobenzidine	252	18.620	18.627	(0.998)	45314	10.0000	9.9750	REV
113 Benzo(a)anthracene	228	18.625	18.633	(0.999)	131615	10.0000	10.724	REV
115 bis(2-Ethylhexyl)phthalate	149	18.717	18.725	(1.003)	76752	10.0000	10.746	REV
116 Chrysene	228	18.690	18.703	(1.002)	115552	10.0000	10.205	REV
117 Di-n-octylphthalate	149	19.639	19.647	(0.944)	119204	10.0000	10.809	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.265	20.289	(0.975)	47764	10.0000	9.6980	REV
119 Benzo(b)fluoranthene	252	20.265	20.278	(0.975)	131730	10.0000	11.018	REV
120 Benzo(k)fluoranthene	252	20.298	20.311	(0.976)	130922	10.0000	10.703	REV
121 Benzo(a)pyrene	252	20.719	20.726	(0.996)	112802	10.0000	10.289	REV
123 3-MethylCholanthrene	268	21.220	21.228	(1.020)	50261	10.0000	8.9424	REV
125 Indeno(1,2,3-cd)pyrene	276	22.386	22.399	(1.077)	123869	10.0000	10.905	REV
126 Dibenz(a,h)anthracene	278	22.386	22.399	(1.077)	101221	10.0000	10.837	REV
127 Benzo(g,h,i)perylene	276	22.834	22.847	(1.098)	98857	10.0000	11.500	REV
M 176 Diallate (total)	234				15570	10.0000	8.8475	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D

Date : 31-MAY-2007 12:44

Client ID: HSL_010

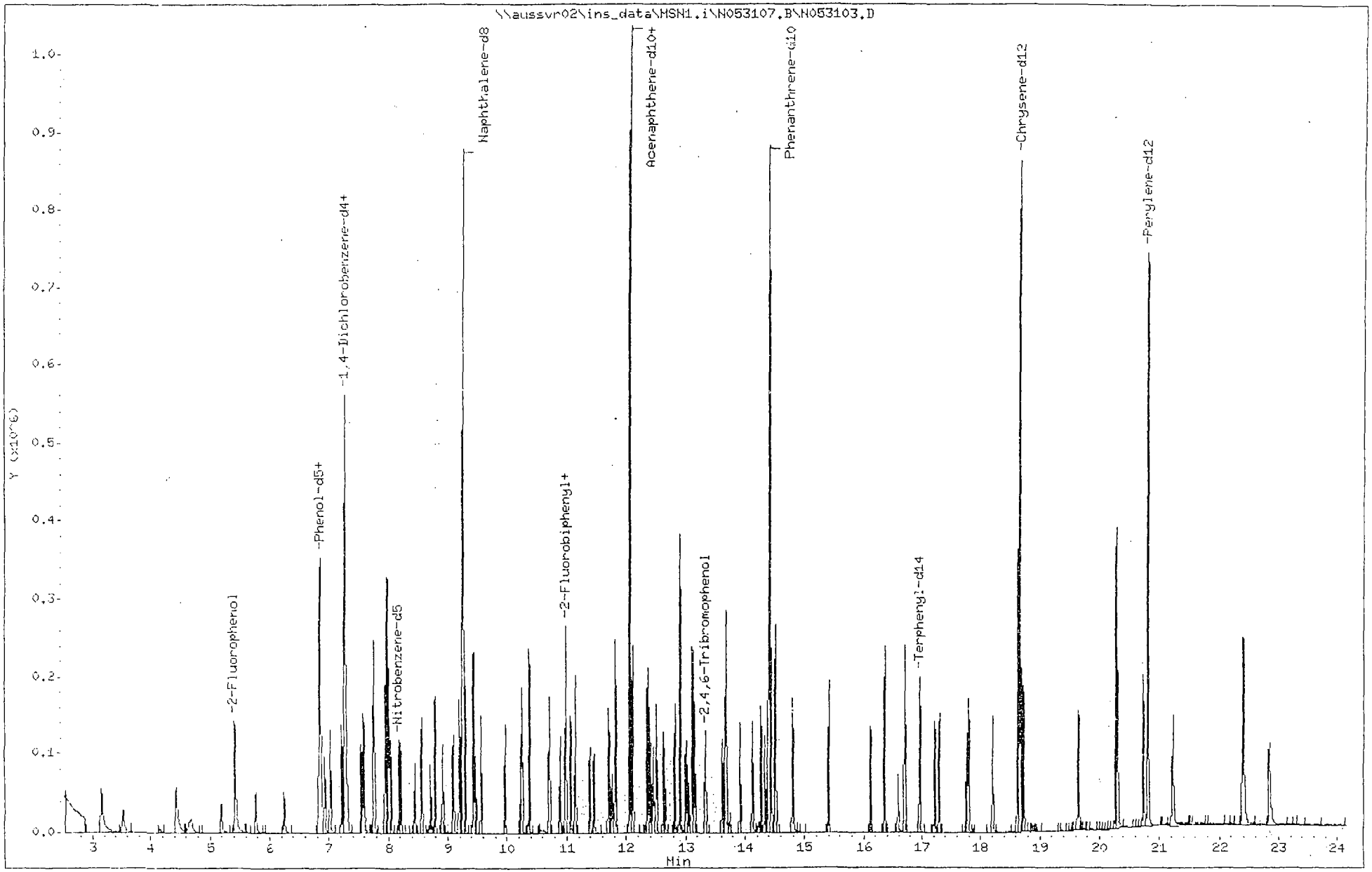
Instrument: MSN1.i

Sample Info: Icalib_1;HSL_010;;1;1;3;;;; 06HSSV440

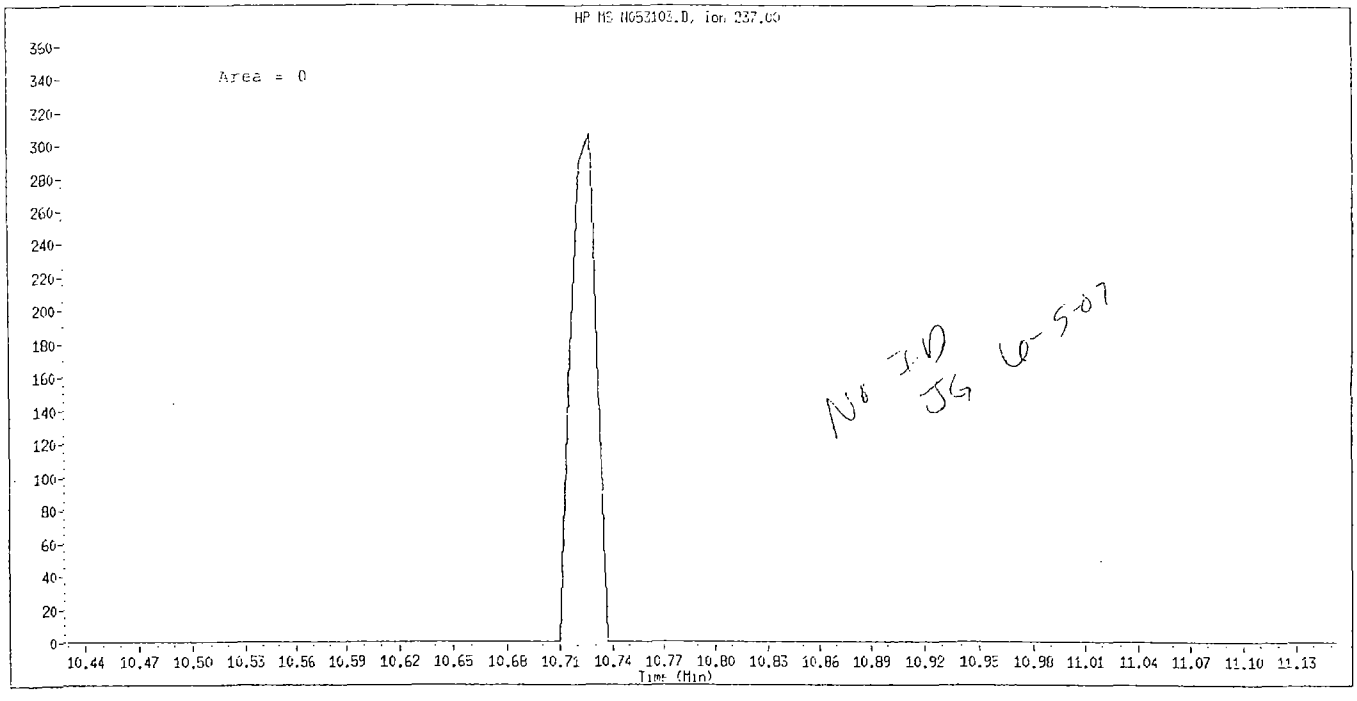
Operator: malloym

Column phase: Rtx5-MS

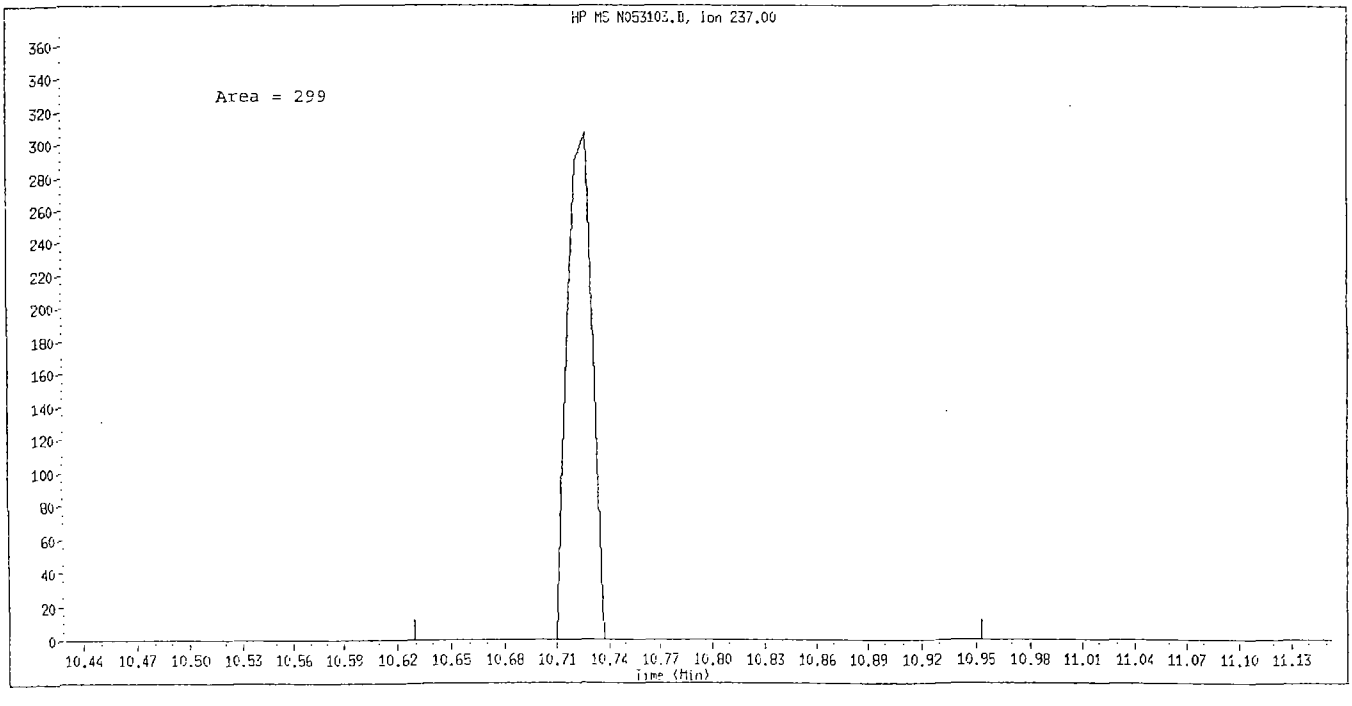
Column diameter: 0.25



Data File Name N053103.D
Inj. Date and Time: 31-MAY-2007 12:44
Instrument ID: MSN1 1
Client ID: HSL_010
Compound Name: Hexachlorocyclopentadiene
CAS #: 77-47-4
Report Date: 05/31/2007



Original Integration



Manual Integration

Manually Integrated By: MalloyM
Manual Integration Reason: Analyte not Identified by the Data System

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 1
Report Date: 31-May-2007 14:02

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D
Lab Smp Id: Icalib_2 Client Smp ID: HSL_020
Inj Date : 31-MAY-2007 13:14
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;HSL_020;;1;2;3;;;; 06MSSV441
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N051507M.M
Meth Date : 31-May-2007 13:59 malloym Quant Type: ISTD
Cal Date : 17-MAY-2007 14:06 Cal File: N051709.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.260	7.265	(1.000)	133082	40.0000		REV
* 40 Naphthalene-d8	136	9.245	9.256	(1.000)	496832	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.056	(1.000)	283240	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.408	(1.000)	489890	40.0000		REV
* 114 Chrysene-d12	240	18.649	18.660	(1.000)	444989	40.0000		REV
* 122 Perylene-d12	264	20.797	20.802	(1.000)	396955	40.0000		REV
$ 6 2-Fluorophenol	112	5.409	5.414	(0.745)	205579	40.0000	45.371	REV
$ 12 Phenol-d5	99	6.839	6.855	(0.942)	248921	40.0000	45.941	REV
$ 82 2,4,6-Tribromophenol	330	13.335	13.345	(0.926)	44443	40.0000	37.744	REV
$ 29 Nitrobenzene-d5	82	8.171	8.187	(0.884)	104171	20.0000	22.787	REV
$ 54 2-Fluorobiphenyl	172	10.977	10.987	(0.910)	209781	20.0000	21.896	REV
$ 105 Terphenyl-d14	244	16.961	16.966	(0.909)	210798	20.0000	23.253	REV
1 Pyridine	79	3.127	3.116	(0.431)	98120	20.0000	21.567	REV
2 N-Nitrosodimethylamine	74	3.154	3.159	(0.434)	58177	20.0000	22.821	REV
3 2-Picoline	93	4.411	4.405	(0.608)	115413	20.0000	22.133	REV
4 N-Nitrosomethylethylamine	88	4.681	4.675	(0.645)	52502	20.0000	22.127	REV
5 Methyl methanesulfonate	80	5.182	5.198	(0.714)	58478	20.0000	23.362	REV
7 N-Nitrosodiethylamine	102	5.754	5.765	(0.793)	50583	20.0000	21.942	REV
8 Ethyl methanesulfonate	79	6.234	6.245	(0.859)	75001	20.0000	23.014	REV
9 Pentachloroethane	117	6.823	6.828	(0.940)	36170	20.0000	23.397	REV
10 Aniline	93	6.844	6.849	(0.943)	157292	20.0000	23.077	REV
11 bis(2-Chloroethyl)ether	93	6.925	6.936	(0.954)	101297	20.0000	22.258	REV
13 Phenol	94	6.855	6.871	(0.944)	143088	20.0000	23.004	REV
14 2-Chlorophenol	128	7.011	7.022	(0.966)	109580	20.0000	22.348	REV
15 1,3-Dichlorobenzene	146	7.206	7.211	(0.993)	116784	20.0000	22.002	REV
16 1,4-Dichlorobenzene	146	7.287	7.292	(1.004)	120762	20.0000	22.622	REV
18 1,2-Dichlorobenzene	146	7.578	7.578	(1.044)	112798	20.0000	22.471	REV
19 Benzyl Alcohol	108	7.529	7.540	(1.037)	66114	20.0000	22.352	REV
20 bis(2-Chloroisopropyl)ether	45	7.745	7.750	(1.067)	122097	20.0000	26.583	REV
21 2-Methylphenol	108	7.745	7.756	(1.067)	94884	20.0000	22.460	REV
22 Acetophenone	105	7.934	7.944	(1.093)	139492	20.0000	22.700	REV
23 N-Nitroso-di-n-propylamine	70	7.972	7.993	(1.098)	74434	20.0000	23.450	REV
24 N-Nitrosopyrrolidine	100	7.950	7.977	(1.095)	50181	20.0000	22.740	REV

6-1-07

JG 5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 2
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.972	7.993	(1.098)	206908	40.0000	48.368	REV
27 o-Toluidine	106	8.004	8.020	(1.103)	158786	20.0000	22.882(Q)	REV
28 Hexachloroethane	117	8.037	8.042	(1.107)	43195	20.0000	22.832	REV
30 Nitrobenzene	77	8.198	8.214	(0.887)	109830	20.0000	23.376	REV
31 N-Nitrosopiperidine	114	8.436	8.457	(0.912)	48318	20.0000	22.070	REV
32 Isophorone	82	8.549	8.565	(0.925)	190017	20.0000	23.190	REV
33 2-Nitrophenol	139	8.700	8.705	(0.941)	53005	20.0000	21.154	REV
34 2,4-Dimethyphenol	107	8.776	8.786	(0.949)	105724	20.0000	22.541	REV
35 Bis(2-chloroethoxy)methane	93	8.905	8.916	(0.963)	108831	20.0000	22.979	REV
36 2,4-Dichlorophenol	162	9.078	9.083	(0.982)	79746	20.0000	21.695	REV
38 1,2,4-Trichlorobenzene	180	9.186	9.191	(0.994)	90813	20.0000	21.785	REV
39 Benzoic Acid	122	8.965	9.034	(0.970)	9403	20.0000	18.338	REV
41 Naphthalene	128	9.278	9.288	(1.004)	295885	20.0000	22.691	REV
42 4-Chloroaniline	127	9.418	9.428	(1.019)	120226	20.0000	22.408	REV
43 2,6-Dichlorophenol	162	9.429	9.434	(1.020)	79498	20.0000	21.666	REV
44 Hexachloropropene	213	9.461	9.466	(1.023)	50889	20.0000	21.316	REV
45 Hexachlorobutadiene	225	9.553	9.558	(1.033)	54564	20.0000	21.561	REV
46 N-Nitroso-di-n-butylamine	84	9.957	9.968	(1.077)	65768	20.0000	23.462	REV
47 4-Chloro-3-Methylphenol	107	10.211	10.216	(1.104)	88976	20.0000	22.770	REV
48 Safrole	162	10.243	10.248	(1.108)	75172	20.0000	21.760	REV
49 2-Methylnaphthalene	142	10.362	10.372	(1.121)	192792	20.0000	22.381	REV
50 Hexachlorocyclopentadiene	237	10.718	10.723	(0.889)	3724	20.0000	17.389	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.697	10.702	(0.887)	86138	20.0000	20.592	REV
52 2,4,6-Trichlorophenol	196	10.880	10.885	(0.902)	51259	20.0000	19.930	REV
53 2,4,5-Trichlorphenol	196	10.955	10.961	(0.909)	53174	20.0000	19.290	REV
55 2-Chloronaphthalene	127	11.139	11.144	(0.924)	71052	20.0000	22.211	REV
56 Isosafrole	162	11.058	11.068	(0.917)	75239	20.0000	21.960	REV
57 2-Nitroaniline	65	11.382	11.398	(0.944)	53978	20.0000	23.066	REV
58 1,4-Naphthoquinone	158	11.452	11.462	(0.950)	66135	20.0000	22.073	REV
59 Dimethylphthalate	163	11.700	11.716	(0.970)	196654	20.0000	21.476	REV
60 2,6-Dinitrotoluene	165	11.824	11.840	(0.981)	47433	20.0000	22.205	REV
61 1,3-Dinitrobenzene	168	11.759	11.770	(0.975)	33031	20.0000	20.056	REV
62 Acenaphthylene	152	11.808	11.818	(0.979)	300551	20.0000	23.040	REV
63 3-Nitroaniline	138	12.051	12.067	(1.000)	49576	20.0000	21.311	REV
65 Acenaphthene	153	12.105	12.110	(1.004)	178851	20.0000	22.503	REV
66 2,4-Dinitrophenol	184	12.234	12.239	(1.015)	8367	20.0000	20.118	REV
67 Dibenzofuran	168	12.353	12.363	(1.025)	251035	20.0000	22.595	REV
68 4-Nitrophenol	109	12.396	12.401	(1.028)	22735	20.0000	24.901	REV
69 Pentachlorobenzene	250	12.396	12.401	(1.028)	73428	20.0000	20.899	REV
70 2,4-Dinitrotoluene	165	12.450	12.471	(1.033)	60260	20.0000	20.836	REV
72 2,3,4,6-tetrachlorophenol	232	12.644	12.655	(1.049)	39431	20.0000	17.900	REV
74 Diethylphthalate	149	12.817	12.836	(1.063)	192148	20.0000	21.430	REV
75 4-Chlorophenyl-phenylether	204	12.903	12.908	(1.070)	100935	20.0000	21.785	REV
76 Fluorene	166	12.903	12.914	(1.070)	197426	20.0000	22.273	REV
77 5-Nitro-o-toluidine	152	13.006	13.027	(1.079)	58324	20.0000	21.314	REV
78 4,6-Dinitro-2-methylphenol	198	13.097	13.124	(0.910)	27821	20.0000	19.587	REV
79 4-Nitroaniline	138	13.038	13.070	(1.081)	49774	20.0000	22.032	REV
80 N-Nitrosodiphenylamine/DPA	169	13.114	13.135	(1.088)	176486	20.0000	21.578	REV
81 Azobenzene	77	13.151	13.162	(0.913)	192296	20.0000	24.511	REV
83 Diallate #1	234	13.615	13.620	(0.946)	30536	20.0000		REV
84 4-Bromophenyl-phenylether	248	13.675	13.680	(0.950)	55482	20.0000	21.470	REV
85 Phenacetin	108	13.686	13.723	(0.951)	95786	20.0000	23.847	REV
86 Diallate #2	234	13.750	13.755	(0.955)	7062	20.0000		REV
87 Hexachlorobenzene	284	13.912	13.923	(0.966)	54656	20.0000	20.686	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 3
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.691	13.723	(0.951)	40784	20.0000	19.665	REV
90 Pentachlorophenol	266	14.225	14.230	(0.988)	12581	20.0000	13.151	REV
91 Pronamide	173	14.263	14.279	(0.991)	83428	20.0000	22.575	REV
92 Pentachloronitrobenzene	295	14.333	14.343	(0.996)	10100	20.0000	19.615	REV
94 Phenanthrene	178	14.436	14.446	(1.003)	284446	20.0000	22.794	REV
95 Anthracene	178	14.506	14.516	(1.007)	291530	20.0000	23.079	REV
96 Dinoseb	211	14.506	14.516	(1.007)	38743	20.0000	19.849	REV
97 Carbazole	167	14.792	14.802	(1.027)	272204	20.0000	23.261	REV
98 Di-n-Butylphthalate	149	15.401	15.406	(1.070)	316958	20.0000	23.320	REV
101 Isodrin	193	16.108	16.113	(1.119)	30791	20.0000	21.518	REV
102 Fluoranthene	202	16.340	16.351	(1.135)	320889	20.0000	22.830	REV
103 Benzidine	184	16.583	16.588	(0.889)	119076	20.0000	21.231	REV
104 Pyrene	202	16.702	16.712	(0.896)	332810	20.0000	24.414	REV
106 4-Dimethylaminoazobenzene	120	17.214	17.225	(0.923)	84369	20.0000	24.108	REV
107 Chlorobenzilate	251	17.290	17.300	(0.927)	88408	20.0000	22.557	REV
109 3,3'-Dimethylbenzidine	212	17.759	17.764	(0.952)	179787	20.0000	25.269	REV
110 Butylbenzylphthalate	149	17.792	17.797	(0.954)	140717	20.0000	24.895	REV
111 2-Acetylaminofluorene	181	18.196	18.217	(0.976)	119282	20.0000	22.063	REV
112 3,3'-Dichlorobenzidine	252	18.617	18.627	(0.998)	110500	20.0000	23.001	REV
113 Benzo(a)anthracene	228	18.622	18.633	(0.999)	307017	20.0000	23.655	REV
115 bis(2-Ethylhexyl)phthalate	149	18.720	18.725	(1.004)	186655	20.0000	24.711	REV
116 Chrysene	228	18.693	18.703	(1.002)	279635	20.0000	23.352	REV
117 Di-n-octylphthalate	149	19.642	19.647	(0.944)	296380	20.0000	25.205	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.268	20.289	(0.975)	126444	20.0000	24.077	REV
119 Benzo(b)fluoranthene	252	20.263	20.278	(0.974)	297571	20.0000	23.342	REV
120 Benzo(k)fluoranthene	252	20.295	20.311	(0.976)	320729	20.0000	24.591	REV
121 Benzo(a)pyrene	252	20.716	20.726	(0.996)	268083	20.0000	22.932	REV
123 3-MethylCholanthrene	268	21.212	21.228	(1.020)	125230	20.0000	20.896	REV
125 Indeno(1,2,3-cd)pyrene	276	22.378	22.399	(1.076)	294268	20.0000	24.295	REV
126 Dibenz(a,h)anthracene	278	22.378	22.399	(1.076)	240325	20.0000	24.132	REV
127 Benzo(g,h,i)perylene	276	22.826	22.847	(1.098)	241521	20.0000	26.350	REV
M 176 Diallate (total)	234				37598	20.0000	20.840	

QC Flag Legend

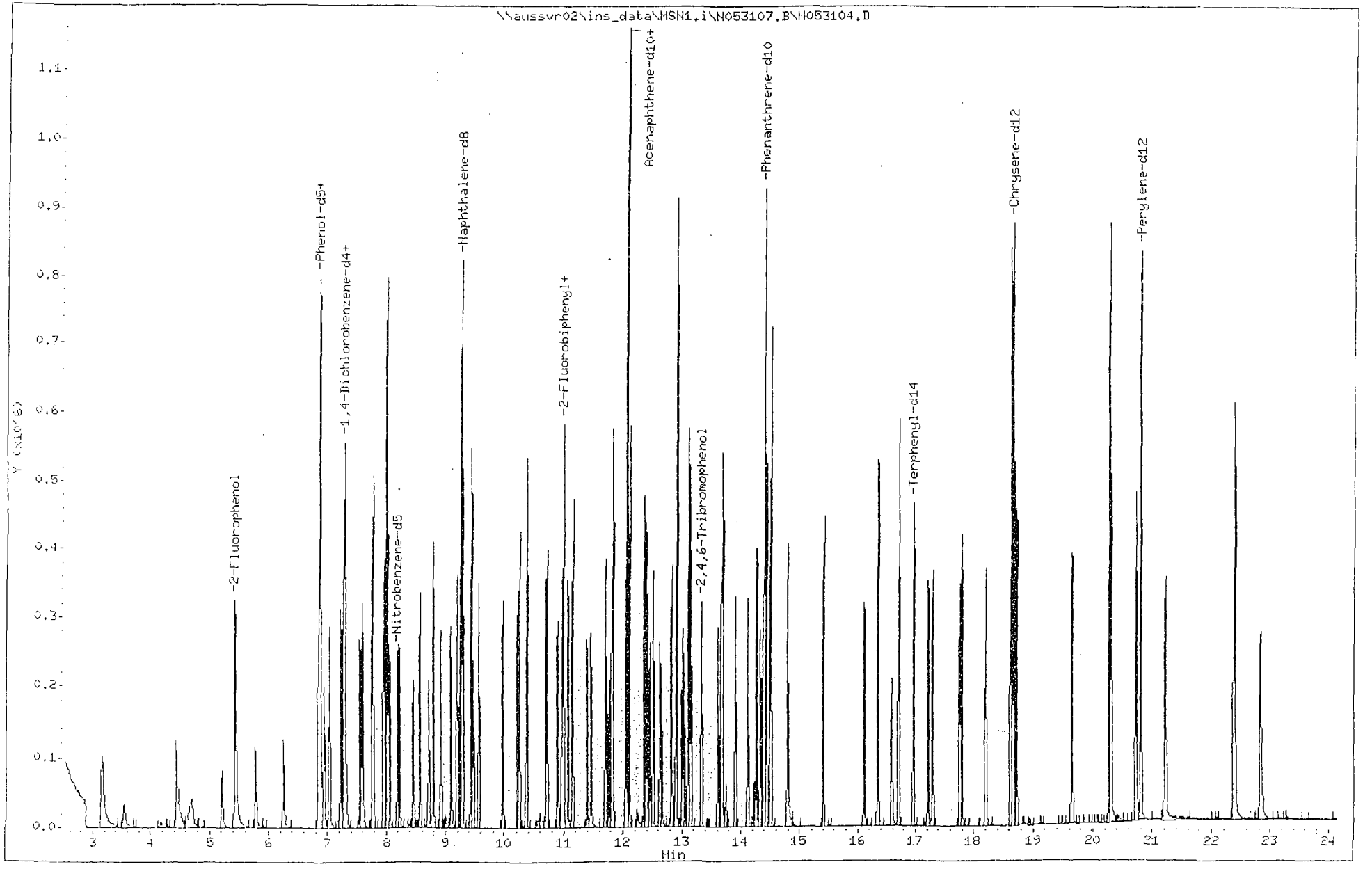
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D
Date : 31-MAY-2007 13:14
Client ID: HSL_020
Sample Info: Icalib_2;HSL_020;;1;2;3;;;; 06MSSV441

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 1
Report Date: 31-May-2007 14:31

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D
Lab Smp Id: Icalib_3 Client Smp ID: HSL_050
Inj Date : 31-MAY-2007 13:44
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;HSL_050;;1;3;3;;;; 06MSSV442
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Meth Date : 31-May-2007 14:31 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 13:44 Cal File: N053105.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.264	7.265	(1.000)	141790	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.256	(1.000)	542633	40.0000		REV
* 64 Acenaphthene-d10	164	12.055	12.056	(1.000)	306030	40.0000		REV
* 93 Phenanthrene-d10	188	14.402	14.408	(1.000)	543701	40.0000		REV
* 114 Chrysene-d12	240	18.660	18.660	(1.000)	495475	40.0000		REV
* 122 Perylene-d12	264	20.802	20.802	(1.000)	442295	40.0000		REV
$ 6 2-Fluorophenol	112	5.408	5.414	(0.745)	516061	100.000	104.80	REV
$ 12 Phenol-d5	99	6.843	6.855	(0.942)	621990	100.000	102.66	REV
$ 82 2,4,6-Tribromophenol	330	13.340	13.345	(0.926)	121390	100.000	108.11	REV
$ 29 Nitrobenzene-d5	82	8.182	8.187	(0.885)	265280	50.0000	51.882	REV
$ 54 2-Fluorobiphenyl	172	10.982	10.987	(0.911)	532366	50.0000	51.573	REV
$ 105 Terphenyl-d14	244	16.965	16.966	(0.909)	525825	50.0000	49.987	REV
1 Pyridine	79	3.115	3.116	(0.429)	257662	50.0000	52.077	REV
2 N-Nitrosodimethylamine	74	3.153	3.159	(0.434)	144558	50.0000	51.034	REV
3 2-Picoline	93	4.405	4.405	(0.606)	290165	50.0000	51.764	REV
4 N-Nitrosomethylethylamine	88	4.680	4.675	(0.644)	133111	50.0000	51.950	REV
5 Methyl methanesulfonate	80	5.187	5.198	(0.714)	148477	50.0000	51.362	REV
7 N-Nitrosodiethylamine	102	5.759	5.765	(0.793)	125390	50.0000	51.932	REV
8 Ethyl methanesulfonate	79	6.239	6.245	(0.859)	192878	50.0000	52.059	REV
9 Pentachloroethane	117	6.822	6.828	(0.939)	90511	50.0000	51.945	REV
10 Aniline	93	6.849	6.849	(0.943)	397508	50.0000	51.949	REV
11 bis(2-Chloroethyl)ether	93	6.930	6.936	(0.954)	255020	50.0000	51.536	REV
13 Phenol	94	6.860	6.871	(0.944)	377132	50.0000	52.742	REV
14 2-Chlorophenol	128	7.016	7.022	(0.966)	273303	50.0000	51.542	REV
15 1,3-Dichlorobenzene	146	7.210	7.211	(0.993)	289661	50.0000	51.205	REV
16 1,4-Dichlorobenzene	146	7.291	7.292	(1.004)	299328	50.0000	51.027	REV
18 1,2-Dichlorobenzene	146	7.577	7.578	(1.043)	278063	50.0000	51.196	REV
19 Benzyl Alcohol	108	7.534	7.540	(1.037)	171568	50.0000	53.090	REV
20 bis(2-Chloroisopropyl)ether	45	7.750	7.750	(1.067)	299372	50.0000	50.472	REV
21 2-Methylphenol	108	7.750	7.756	(1.067)	239644	50.0000	51.606	REV
22 Acetophenone	105	7.939	7.944	(1.093)	352541	50.0000	52.039	REV
23 N-Nitroso-di-n-propylamine	70	7.982	7.993	(1.099)	188341	50.0000	51.924	REV
24 N-Nitrosopyrrolidine	100	7.966	7.977	(1.097)	130575	50.0000	53.145	REV

6/1/7

JG 5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 2
Report Date: 31-May-2007 14:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.987	7.993	(1.100)	520738	100.000	103.09	REV
27 o-Toluidine	106	8.009	8.020	(1.102)	398903	50.0000	51.890(Q)	REV
28 Hexachloroethane	117	8.036	8.042	(1.106)	108336	50.0000	51.774	REV
30 Nitrobenzene	77	8.208	8.214	(0.887)	275796	50.0000	51.376	REV
31 N-Nitrosopiperidine	114	8.446	8.457	(0.913)	126402	50.0000	52.774	REV
32 Isophorone	82	8.559	8.565	(0.925)	484283	50.0000	52.276	REV
33 2-Nitrophenol	139	8.699	8.705	(0.941)	143005	50.0000	54.601	REV
34 2,4-Dimethyphenol	107	8.780	8.786	(0.949)	270108	50.0000	52.069	REV
35 Bis(2-chloroethoxy)methane	93	8.910	8.916	(0.963)	276821	50.0000	52.300	REV
36 2,4-Dichlorophenol	162	9.077	9.083	(0.981)	205060	50.0000	52.685	REV
38 1,2,4-Trichlorobenzene	180	9.185	9.191	(0.993)	227120	50.0000	51.402	REV
39 Benzoic Acid	122	9.007	9.034	(0.974)	46779	50.0000	50.000	REV
41 Naphthalene	128	9.282	9.288	(1.003)	739156	50.0000	50.868	REV
42 4-Chloroaniline	127	9.422	9.428	(1.019)	310731	50.0000	52.642	REV
43 2,6-Dichlorophenol	162	9.433	9.434	(1.020)	205765	50.0000	52.240	REV
44 Hexachloropropene	213	9.466	9.466	(1.023)	138518	50.0000	55.371	REV
45 Hexachlorobutadiene	225	9.552	9.558	(1.033)	135213	50.0000	51.136	REV
46 N-Nitroso-di-n-butylamine	84	9.962	9.968	(1.077)	168375	50.0000	53.218	REV
47 4-Chloro-3-Methylphenol	107	10.210	10.216	(1.104)	231264	50.0000	53.866	REV
48 Safrole	162	10.248	10.248	(1.108)	193621	50.0000	52.987	REV
49 2-Methylnaphthalene	142	10.367	10.372	(1.121)	493449	50.0000	52.217	REV
50 Hexachlorocyclopentadiene	237	10.723	10.723	(0.889)	32284	50.0000	50.000	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.701	10.702	(0.888)	220643	50.0000	51.238	REV
52 2,4,6-Trichlorophenol	196	10.879	10.885	(0.902)	137253	50.0000	54.206	REV
53 2,4,5-Trichlorphenol	196	10.955	10.961	(0.909)	147865	50.0000	54.090	REV
55 2-Chloronaphthalene	127	11.144	11.144	(0.924)	179968	50.0000	51.590	REV
56 Isosafrole	162	11.063	11.068	(0.918)	189146	50.0000	51.662	REV
57 2-Nitroaniline	65	11.392	11.398	(0.945)	138769	50.0000	53.072	REV
58 1,4-Naphthoquinone	158	11.457	11.462	(0.950)	175476	50.0000	55.479	REV
59 Dimethylphthalate	163	11.710	11.716	(0.971)	494138	50.0000	51.296	REV
60 2,6-Dinitrotoluene	165	11.834	11.840	(0.982)	122378	50.0000	52.853	REV
61 1,3-Dinitrobenzene	168	11.764	11.770	(0.976)	90341	50.0000	55.590	REV
62 Acenaphthylene	152	11.813	11.818	(0.980)	755998	50.0000	51.670	REV
63 3-Nitroaniline	138	12.061	12.067	(1.000)	131979	50.0000	53.352	REV
65 Acenaphthene	153	12.109	12.110	(1.004)	449270	50.0000	51.354	REV
66 2,4-Dinitrophenol	184	12.234	12.239	(1.015)	47313	50.0000	50.000	REV
67 Dibenzofuran	168	12.358	12.363	(1.025)	625685	50.0000	51.060	REV
68 4-Nitrophenol	109	12.395	12.401	(1.028)	60528	50.0000	50.000	REV
69 Pentachlorobenzene	250	12.401	12.401	(1.029)	185854	50.0000	51.802	REV
70 2,4-Dinitrotoluene	165	12.460	12.471	(1.034)	162368	50.0000	54.970	REV
72 2,3,4,6-tetrachlorophenol	232	12.649	12.655	(1.049)	112580	50.0000	57.796	REV
74 Diethylphthalate	149	12.832	12.838	(1.064)	492745	50.0000	52.468	REV
75 4-Chlorophenyl-phenylether	204	12.903	12.908	(1.070)	245710	50.0000	50.876	REV
76 Fluorene	166	12.908	12.914	(1.071)	486353	50.0000	51.013	REV
77 5-Nitro-o-toluidine	152	13.016	13.027	(1.080)	156704	50.0000	54.871	REV
78 4,6-Dinitro-2-metnylphenol	198	13.113	13.124	(0.910)	88326	50.0000	50.000	REV
79 4-Nitroaniline	138	13.054	13.070	(1.083)	131333	50.0000	54.112	REV
80 N-Nitrosodiphenylamine/DPA	169	13.124	13.135	(1.089)	457347	50.0000	52.286	REV
81 Azobenzene	77	13.156	13.162	(0.913)	480790	50.0000	50.554	REV
83 Diallate #1	234	13.620	13.620	(0.946)	79952	50.0000		REV
84 4-Bromophenyl-phenylether	248	13.679	13.680	(0.950)	144037	50.0000	51.498	REV
85 Phenacetin	108	13.712	13.723	(0.952)	247314	50.0000	52.898	REV
86 Diallate #2	234	13.750	13.755	(0.955)	18604	50.0000		REV
87 Hexachlorobenzene	284	13.917	13.923	(0.966)	141167	50.0000	51.616	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 3
Report Date: 31-May-2007 14:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.706	13.723	(0.952)	119143	50.0000	53.957	REV
90 Pentachlorophenol	266	14.230	14.230	(0.988)	47362	50.0000	50.000	REV
91 Pronamide	173	14.273	14.279	(0.991)	317669	50.0000	52.704	REV
92 Pentachloronitrobenzene	295	14.338	14.343	(0.996)	26869	50.0000	52.216	REV
94 Phenanthrene	178	14.440	14.446	(1.003)	721259	50.0000	50.798	REV
95 Anthracene	178	14.510	14.516	(1.007)	736006	50.0000	51.127	REV
96 Dinoseb	211	14.510	14.516	(1.007)	118892	50.0000	50.000	REV
97 Carbazole	167	14.796	14.802	(1.027)	705983	50.0000	53.347	REV
98 Di-n-Butylphthalate	149	15.406	15.406	(1.070)	802482	50.0000	51.492	REV
101 Isodrin	193	16.113	16.113	(1.119)	79763	50.0000	51.781	REV
102 Fluoranthene	202	16.350	16.351	(1.135)	811085	50.0000	51.026	REV
103 Benzidine	184	16.588	16.588	(0.889)	341617	50.0000	56.190	REV
104 Pyrene	202	16.706	16.712	(0.895)	831064	50.0000	50.092	REV
106 4-Dimethylaminoazobenzene	120	17.219	17.225	(0.923)	218537	50.0000	52.471	REV
107 Chlorobenzilate	251	17.294	17.300	(0.927)	226855	50.0000	51.143	REV
109 3,3'-Dimethylbenzidine	212	17.764	17.764	(0.952)	472797	50.0000	54.465	REV
110 Butylbenzylphthalate	149	17.796	17.797	(0.954)	352843	50.0000	50.467	REV
111 2-Acetylaminofluorene	181	18.212	18.217	(0.976)	316587	50.0000	53.395	REV
112 3,3'-Dichlorobenzidine	252	18.622	18.627	(0.998)	279815	50.0000	51.192	REV
113 Benzo(a)anthracene	228	18.627	18.633	(0.998)	754708	50.0000	49.340	REV
115 bis(2-Ethylhexyl)phthalate	149	18.719	18.725	(1.003)	482744	50.0000	51.651	REV
116 Chrysene	228	18.697	18.703	(1.002)	708178	50.0000	51.003	REV
117 Di-n-octylphthalate	149	19.641	19.647	(0.944)	773986	50.0000	52.222	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.278	20.289	(0.975)	313459	50.0000	52.489	REV
119 Benzo(b)fluoranthene	252	20.273	20.278	(0.975)	756870	50.0000	49.167	REV
120 Benzo(k)fluoranthene	252	20.305	20.311	(0.976)	791733	50.0000	50.446	REV
121 Benzo(a)pyrene	252	20.721	20.726	(0.996)	679833	50.0000	50.361	REV
123 3-MethylCholanthrene	268	21.222	21.228	(1.020)	331116	50.0000	52.584	REV
125 Indeno(1,2,3-cd)pyrene	276	22.388	22.399	(1.076)	746697	50.0000	50.367	REV
126 Dibenz(a,h)anthracene	278	22.393	22.399	(1.077)	617182	50.0000	50.652	REV
127 Benzo(g,h,i)perylene	276	22.836	22.847	(1.098)	625327	50.0000	51.570	REV
M 176 Diallate (total)	234				98556	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D

Date : 31-MAY-2007 13:44

Client ID: MSL_050

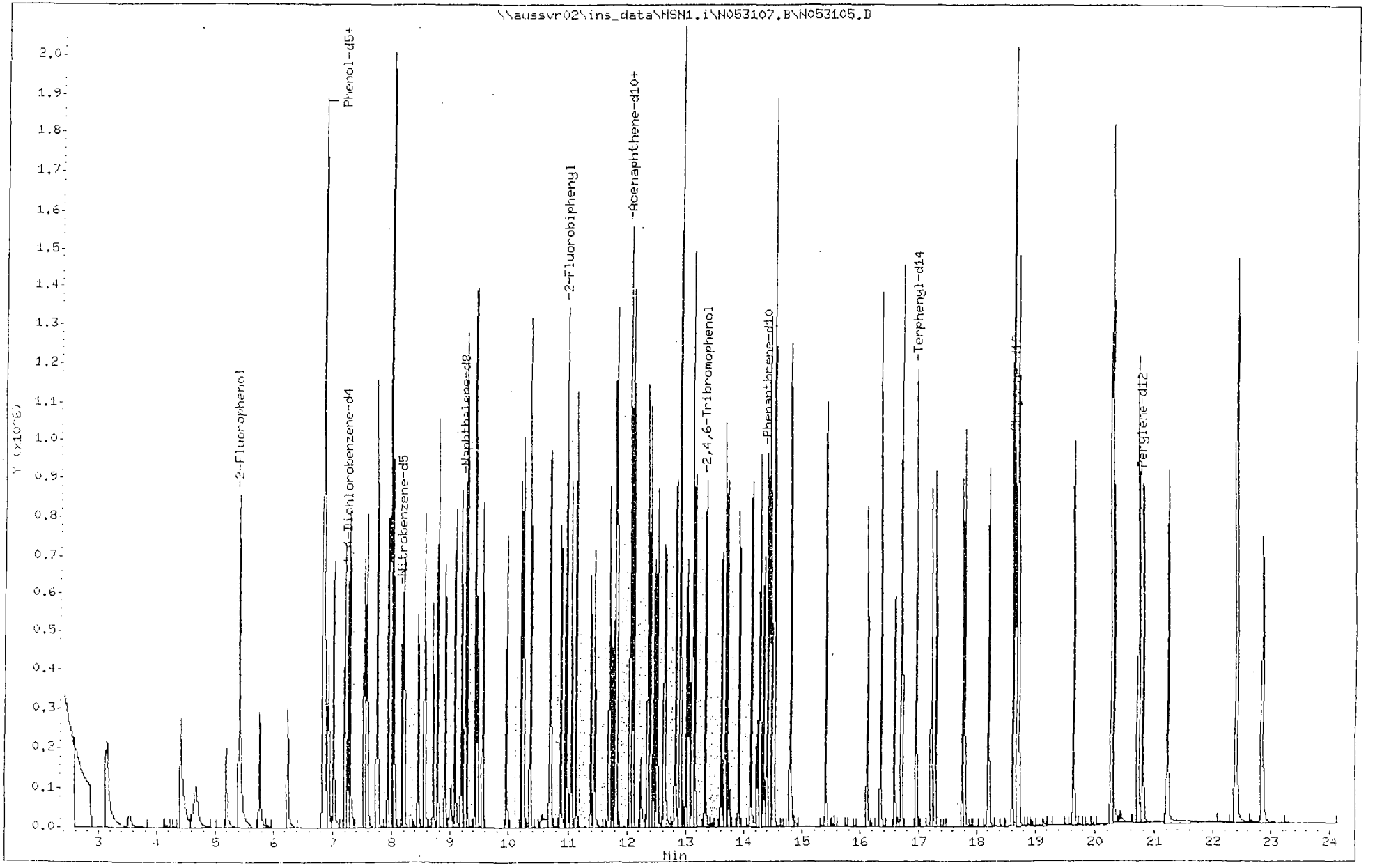
Sample Info: Icalib_3;MSL_050;;1;3;3;;;; 06MSSV442

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D Page 1
Report Date: 31-May-2007 14:42

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D
Lab Smp Id: Icalib_4 Client Smp ID: HSL_075
Inj Date : 31-MAY-2007 14:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;HSL_075;;1;4;3;;;; 06MSSV443
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 14:42 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 14:18 Cal File: N053106.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	117405	40.0000		
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	446154	40.0000		
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	247936	40.0000		
* 93 Phenanthrene-d10	188	14.405	14.405	(1.000)	445955	40.0000		
* 114 Chrysene-d12	240	18.657	18.657	(1.000)	400073	40.0000		
* 122 Perylene-d12	264	20.799	20.799	(1.000)	360970	40.0000		
$ 6 2-Fluorophenol	112	5.411	5.411	(0.745)	620805	150.000	147.57	
$ 12 Phenol-d5	99	6.846	6.846	(0.942)	746031	150.000	145.58	
$ 82 2,4,6-Tribromophenol	330	13.342	13.342	(0.926)	147023	150.000	153.41	
$ 29 Nitrobenzene-d5	82	8.184	8.184	(0.885)	319263	75.0000	73.639	
$ 54 2-Fluorobiphenyl	172	10.985	10.985	(0.911)	626940	75.0000	73.183	
$ 105 Terphenyl-d14	244	16.968	16.968	(0.909)	630061	75.0000	72.287	
1 Pyridine	79	3.118	3.118	(0.429)	306895	75.0000	73.890	
2 N-Nitrosodimethylamine	74	3.161	3.161	(0.435)	175316	75.0000	73.089	
3 2-Picoline	93	4.408	4.408	(0.607)	351272	75.0000	73.729	
4 N-Nitrosomethylethylamine	88	4.672	4.672	(0.643)	160869	75.0000	73.928	
5 Methyl methanesulfonate	80	5.190	5.190	(0.714)	176088	75.0000	72.505	
7 N-Nitrosodiethylamine	102	5.762	5.762	(0.793)	158221	75.0000	75.891	
8 Ethyl methanesulfonate	79	6.242	6.242	(0.859)	230275	75.0000	73.604	
9 Pentachloroethane	117	6.825	6.825	(0.939)	107855	75.0000	72.886	
10 Aniline	93	6.852	6.852	(0.943)	483050	75.0000	74.171	
11 bis(2-Chloroethyl)ether	93	6.933	6.933	(0.954)	308638	75.0000	73.581	
13 Phenol	94	6.862	6.862	(0.944)	433854	75.0000	72.497	
14 2-Chlorophenol	128	7.019	7.019	(0.966)	330235	75.0000	73.313	
15 1,3-Dichlorobenzene	146	7.208	7.208	(0.992)	348294	75.0000	72.700	
16 1,4-Dichlorobenzene	146	7.289	7.289	(1.003)	360834	75.0000	72.704	
18 1,2-Dichlorobenzene	146	7.580	7.580	(1.043)	333863	75.0000	72.494	
19 Benzyl Alcohol	108	7.537	7.537	(1.037)	207402	75.0000	75.191	
20 bis(2-Chloroisopropyl)ether	45	7.747	7.747	(1.066)	357831	75.0000	71.639	
21 2-Methylphenol	108	7.753	7.753	(1.067)	287983	75.0000	73.300	
22 Acetophenone	105	7.947	7.947	(1.094)	424979	75.0000	73.787	
23 N-Nitroso-di-n-propylamine	70	7.985	7.985	(1.099)	224530	75.0000	73.114	
24 N-Nitrosopyrrolidine	100	7.969	7.969	(1.097)	156769	75.0000	74.896	

6-1-1

JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D Page 2
Report Date: 31-May-2007 14:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.990	7.990	(1.099)	626357	150.000	146.48	
27 o-Toluidine	106	8.017	8.017	(1.103)	479696	75.0000	73.430	
28 Hexachloroethane	117	8.039	8.039	(1.106)	130283	75.0000	73.326	
30 Nitrobenzene	77	8.211	8.211	(0.887)	333700	75.0000	73.308	
31 N-Nitrosopiperidine	114	8.449	8.449	(0.913)	150720	75.0000	74.066	
32 Isophorone	82	8.562	8.562	(0.925)	578728	75.0000	73.532	
33 2-Nitrophenol	139	8.702	8.702	(0.941)	172686	75.0000	76.841	
34 2,4-Dimethyphenol	107	8.783	8.783	(0.949)	323779	75.0000	73.610	
35 Bis(2-chloroethoxy)methane	93	8.913	8.913	(0.963)	332348	75.0000	73.767	
36 2,4-Dichlorophenol	162	9.080	9.080	(0.981)	245254	75.0000	74.033	
38 1,2,4-Trichlorobenzene	180	9.188	9.188	(0.993)	273682	75.0000	73.019	
39 Benzoic Acid	122	9.021	9.021	(0.975)	64932	75.0000	76.671	
41 Naphthalene	128	9.285	9.285	(1.003)	887348	75.0000	72.420	
42 4-Chloroaniline	127	9.425	9.425	(1.019)	369877	75.0000	73.841	
43 2,6-Dichlorophenol	162	9.436	9.436	(1.020)	244039	75.0000	73.393	
44 Hexachloropropene	213	9.463	9.463	(1.023)	171904	75.0000	79.121	
45 Hexachlorobutadiene	225	9.555	9.555	(1.033)	162080	75.0000	72.364	
46 N-Nitroso-di-n-butylamine	84	9.965	9.965	(1.077)	199066	75.0000	73.661	
47 4-Chloro-3-Methylphenol	107	10.213	10.213	(1.104)	276451	75.0000	75.016	
48 Safrole	162	10.251	10.251	(1.108)	229968	75.0000	73.883	
49 2-Methylnaphthalene	142	10.370	10.370	(1.121)	586238	75.0000	73.251	
50 Hexachlorocyclopentadiene	237	10.720	10.720	(0.889)	50698	75.0000	77.021	
51 1,2,4,5-Tetrachlorobenzene	216	10.699	10.699	(0.887)	265023	75.0000	74.229	
52 2,4,6-Trichlorophenol	196	10.882	10.882	(0.902)	165010	75.0000	77.230	
53 2,4,5-Trichlorphenol	196	10.958	10.958	(0.909)	176013	75.0000	77.337	
55 2-Chloronaphthalene	127	11.146	11.146	(0.924)	214240	75.0000	73.757	
56 Isosafrole	162	11.066	11.066	(0.918)	223885	75.0000	73.341	
57 2-Nitroaniline	65	11.395	11.395	(0.945)	165576	75.0000	75.202	
58 1,4-Naphthoquinone	158	11.459	11.459	(0.950)	208077	75.0000	77.109	
59 Dimethylphthalate	163	11.713	11.713	(0.971)	593140	75.0000	73.855	
60 2,6-Dinitrotoluene	165	11.837	11.837	(0.982)	144868	75.0000	74.680	
61 1,3-Dinitrobenzene	168	11.767	11.767	(0.976)	109369	75.0000	79.006	
62 Acenaphthylene	152	11.815	11.815	(0.980)	885072	75.0000	72.751	
63 3-Nitroaniline	138	12.064	12.064	(1.000)	159236	75.0000	76.729	
65 Acenaphthene	153	12.112	12.112	(1.004)	531914	75.0000	73.126	
66 2,4-Dinitrophenol	184	12.236	12.236	(1.015)	61704	75.0000	74.946	
67 Dibenzofuran	168	12.360	12.360	(1.025)	739742	75.0000	72.692	
68 4-Nitrophenol	109	12.398	12.398	(1.028)	73000	75.0000	73.651	
69 Pentachlorobenzene	250	12.404	12.404	(1.029)	218372	75.0000	73.164	
70 2,4-Dinitrotoluene	165	12.463	12.463	(1.034)	194065	75.0000	77.540	
72 2,3,4,6-tetrachlorophenol	232	12.652	12.652	(1.049)	135169	75.0000	80.888	
74 Diethylphthalate	149	12.835	12.835	(1.064)	589965	75.0000	74.933	
75 4-Chlorophenyl-phenylether	204	12.905	12.905	(1.070)	291810	75.0000	72.346	
76 Fluorene	166	12.911	12.911	(1.071)	580570	75.0000	72.959	
77 5-Nitro-o-toluidine	152	13.024	13.024	(1.080)	184743	75.0000	76.630	
78 4,6-Dinitro-2-methylphenol	198	13.116	13.116	(0.910)	106078	75.0000	85.551	
79 4-Nitroaniline	138	13.062	13.062	(1.083)	154432	75.0000	75.607	
80 N-Nitrosodiphenylamine/DPA	169	13.132	13.132	(1.089)	537383	75.0000	73.962	
81 Azobenzene	77	13.159	13.159	(0.913)	571939	75.0000	71.728	
83 Diallate #1	234	13.623	13.623	(0.946)	97098	75.0000		
84 4-Bromophenyl-phenylether	248	13.682	13.682	(0.950)	167586	75.0000	71.710	
85 Phenacetin	108	13.720	13.720	(0.952)	298898	75.0000	74.656	
86 Diallate #2	234	13.752	13.752	(0.955)	22616	75.0000		
87 Hexachlorobenzene	284	13.920	13.920	(0.966)	169547	75.0000	73.438	

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D Page 3
Report Date: 31-May-2007 14:42

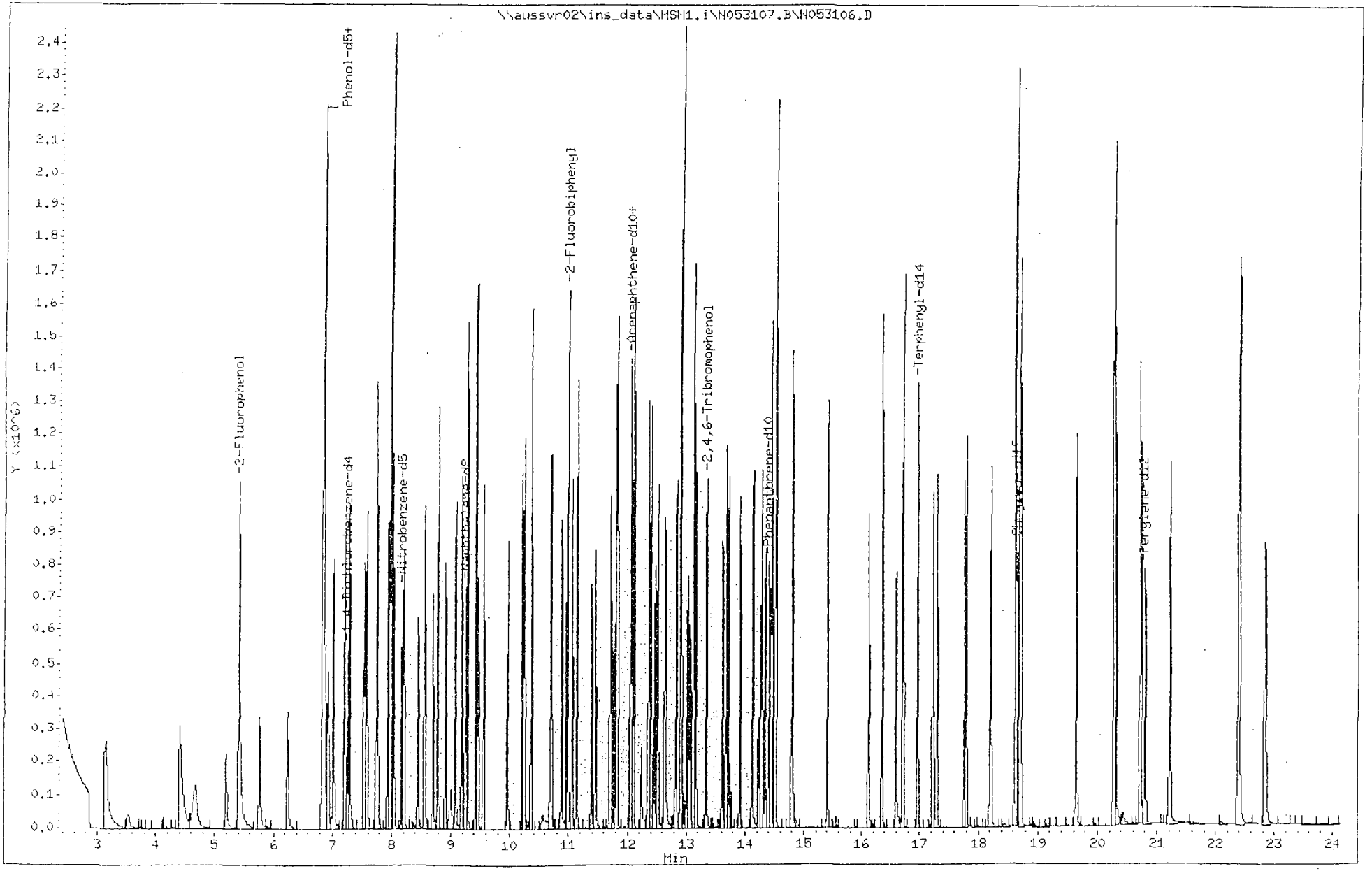
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.715	13.715	(0.952)	148608	75.0000	79.682	
90 Pentachlorophenol	266	14.233	14.233	(0.988)	59489	75.0000	96.911	
91 Pronamide	173	14.276	14.276	(0.991)	257871	75.0000	73.622	
92 Pentachloronitrobenzene	295	14.341	14.341	(0.996)	32225	75.0000	74.358	
94 Phenanthrene	178	14.443	14.443	(1.003)	860934	75.0000	72.168	
95 Anthracene	178	14.513	14.513	(1.007)	874808	75.0000	72.077	
96 Dinoseb	211	14.513	14.513	(1.007)	147133	75.0000	86.563	
97 Carbazole	167	14.799	14.799	(1.027)	824269	75.0000	73.124	
98 Di-n-Butylphthalate	149	15.409	15.409	(1.070)	954746	75.0000	72.436	
101 Isodrin	193	16.116	16.116	(1.119)	95448	75.0000	73.407	
102 Fluoranthene	202	16.353	16.353	(1.135)	950745	75.0000	71.273	
103 Benzidine	184	16.590	16.590	(0.889)	443055	75.0000	84.078	
104 Pyrene	202	16.709	16.709	(0.896)	973174	75.0000	71.126	
106 4-Dimethylaminoazobenzene	120	17.222	17.222	(0.923)	258645	75.0000	74.072	
107 Chlorobenzilate	251	17.297	17.297	(0.927)	271479	75.0000	73.586	
109 3,3'-Dimethylbenzidine	212	17.767	17.767	(0.952)	550307	75.0000	74.775	
110 Butylbenzylphthalate	149	17.799	17.799	(0.954)	418697	75.0000	72.192	
111 2-Acetylaminofluorene	181	18.215	18.215	(0.976)	380916	75.0000	76.122	
112 3,3'-Dichlorobenzidine	252	18.625	18.625	(0.998)	329168	75.0000	72.411	
113 Benzo(a)anthracene	228	18.630	18.630	(0.999)	882499	75.0000	70.221	
115 bis(2-Ethylhexyl)phthalate	149	18.722	18.722	(1.003)	563329	75.0000	72.699	
116 Chrysene	228	18.700	18.700	(1.002)	832550	75.0000	72.246	
117 Di-n-octylphthalate	149	19.644	19.644	(0.944)	920526	75.0000	73.729	
118 7,12-Dimethylbenz(a)anthracen	256	20.286	20.286	(0.975)	375900	75.0000	73.315	
119 Benzo(b)fluoranthene	252	20.276	20.276	(0.975)	875192	75.0000	69.562	
120 Benzo(k)fluoranthene	252	20.313	20.313	(0.977)	947334	75.0000	71.725	
121 Benzo(a)pyrene	252	20.729	20.729	(0.997)	809278	75.0000	71.914	
123 3-MethylCholanthrene	268	21.225	21.225	(1.020)	388610	75.0000	73.484	
125 Indeno(1,2,3-cd)pyrene	276	22.396	22.396	(1.077)	877235	75.0000	71.212	
126 Dibenz(a,h)anthracene	278	22.396	22.396	(1.077)	711276	75.0000	70.600	
127 Benzo(g,h,i)perylene	276	22.838	22.838	(1.098)	736435	75.0000	72.717	
M 176 Diallate (total)	234				119714	75.0000	75.087	

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D
Date : 31-MAY-2007 14:18
Client ID: HSL_075
Sample Info: Icalib_4;HSL_075;;1;4;3;;;; 06MSSV443

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 1
Report Date: 31-May-2007 15:21

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D
Lab Smp Id: Icalib_5 Client Smp ID: HSL_100
Inj Date : 31-MAY-2007 14:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;HSL_100;;1;5;3;;;; 06MSSV444
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Meth Date : 31-May-2007 15:21 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 14:48 Cal File: N053107.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	135945	40.0000		REV
* 40 Naphthalene-d8	136	9.256	9.253	(1.000)	527133	40.0000		REV
* 64 Acenaphthene-d10	164	12.062	12.058	(1.000)	294601	40.0000		REV
* 93 Phenanthrene-d10	188	14.409	14.405	(1.000)	535140	40.0000		REV
* 114 Chrysene-d12	240	18.666	18.657	(1.000)	474116	40.0000		REV
* 122 Perylene-d12	264	20.808	20.799	(1.000)	426941	40.0000		REV
$ 6 2-Fluorophenol	112	5.415	5.411	(0.745)	929758	200.000	192.62	REV
$ 12 Phenol-d5	99	6.855	6.846	(0.944)	1124643	200.000	191.54	REV
$ 82 2,4,6-Tribromophenol	330	13.351	13.342	(0.927)	229600	200.000	199.72	REV
$ 29 Nitrobenzene-d5	82	8.188	8.184	(0.885)	483753	100.000	95.500	REV
$ 54 2-Fluorobiphenyl	172	10.988	10.985	(0.911)	956990	100.000	95.154	REV
$ 105 Terphenyl-d14	244	16.972	16.968	(0.909)	937506	100.000	92.470	REV
1 Pyridine	79	3.111	3.118	(0.428)	453627	100.000	95.406	REV
2 N-Nitrosodimethylamine	74	3.159	3.161	(0.435)	262911	100.000	95.682	REV
3 2-Picoline	93	4.406	4.408	(0.606)	524412	100.000	96.007	REV
4 N-Nitrosomethylethylamine	88	4.675	4.672	(0.644)	242500	100.000	96.973	REV
5 Methyl methanesulfonate	80	5.199	5.190	(0.716)	255527	100.000	92.557	REV
7 N-Nitrosodiethylamine	102	5.765	5.762	(0.794)	239848	100.000	99.483	REV
8 Ethyl methanesulfonate	79	6.251	6.242	(0.860)	349786	100.000	97.226	REV
9 Pentachloroethane	117	6.823	6.825	(0.939)	163434	100.000	96.272	REV
10 Aniline	93	6.855	6.852	(0.944)	711105	100.000	95.385	REV
11 bis(2-Chloroethyl)ether	93	6.936	6.933	(0.955)	472345	100.000	97.789	REV
13 Phenol	94	6.871	6.862	(0.946)	679450	100.000	98.435	REV
14 2-Chlorophenol	128	7.022	7.019	(0.967)	498800	100.000	96.475	REV
15 1,3-Dichlorobenzene	146	7.211	7.208	(0.993)	519521	100.000	94.856	REV
16 1,4-Dichlorobenzene	146	7.292	7.289	(1.004)	543426	100.000	95.601	REV
18 1,2-Dichlorobenzene	146	7.578	7.580	(1.043)	501393	100.000	95.161	REV
19 Benzyl Alcohol	108	7.546	7.537	(1.039)	316353	100.000	99.237	REV
20 bis(2-Chloroisopropyl)ether	45	7.751	7.747	(1.067)	534126	100.000	93.786	REV
21 2-Methylphenol	108	7.756	7.753	(1.068)	438708	100.000	97.127	REV
22 Acetophenone	105	7.950	7.947	(1.094)	647293	100.000	97.633	REV
23 N-Nitroso-di-n-propylamine	70	7.999	7.985	(1.101)	326013	100.000	93.233	REV
24 N-Nitrosopyrrolidine	100	7.983	7.969	(1.099)	229790	100.000	95.805	REV

6-1-7
JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 2
Report Date: 31-May-2007 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.999	7.990	(1.101)	934588	200.000	190.90(Q)	REV
27 o-Toluidine	106	8.021	8.017	(1.104)	727399	100.000	96.906(Q)	REV
28 Hexachloroethane	117	8.042	8.039	(1.107)	195471	100.000	95.962	REV
30 Nitrobenzene	77	8.215	8.211	(0.888)	499271	100.000	94.182	REV
31 N-Nitrosopiperidine	114	8.458	8.449	(0.914)	232352	100.000	97.289	REV
32 Isophorone	82	8.571	8.562	(0.926)	881420	100.000	95.786	REV
33 2-Nitrophenol	139	8.706	8.702	(0.941)	267254	100.000	100.52	REV
34 2,4-Dimethyphenol	107	8.787	8.783	(0.949)	495081	100.000	96.175	REV
35 Bis(2-chloroethoxy)methane	93	8.916	8.913	(0.963)	506373	100.000	96.062	REV
36 2,4-Dichlorophenol	162	9.083	9.080	(0.981)	378399	100.000	97.324	REV
38 1,2,4-Trichlorobenzene	180	9.191	9.188	(0.993)	413229	100.000	94.578	REV
39 Benzoic Acid	122	9.051	9.021	(0.978)	116509	100.000	105.23	REV
41 Naphthalene	128	9.289	9.285	(1.003)	1335054	100.000	93.678	REV
42 4-Chloroaniline	127	9.429	9.425	(1.019)	559386	100.000	95.566	REV
43 2,6-Dichlorophenol	162	9.440	9.436	(1.020)	371660	100.000	95.636	REV
44 Hexachloropropene	213	9.467	9.463	(1.023)	261164	100.000	101.38	REV
45 Hexachlorobutadiene	225	9.558	9.555	(1.033)	240981	100.000	92.720	REV
46 N-Nitroso-di-n-butylamine	84	9.968	9.965	(1.077)	305821	100.000	96.595	REV
47 4-Chloro-3-Methylphenol	107	10.217	10.213	(1.104)	420570	100.000	97.254	REV
48 Safrole	162	10.254	10.251	(1.108)	354212	100.000	97.033	REV
49 2-Methylnaphthalene	142	10.373	10.370	(1.121)	889898	100.000	95.234	REV
50 Hexachlorocyclopentadiene	237	10.724	10.720	(0.889)	101184	100.000	105.27	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.702	10.699	(0.887)	405003	100.000	96.341	REV
52 2,4,6-Trichlorophenol	196	10.886	10.882	(0.902)	255431	100.000	100.49	REV
53 2,4,5-Trichlorphenol	196	10.961	10.958	(0.909)	274398	100.000	101.17	REV
55 2-Chloronaphthalene	127	11.150	11.146	(0.924)	327120	100.000	95.780	REV
56 Isosafrole	162	11.069	11.066	(0.918)	341754	100.000	95.322	REV
57 2-Nitroaniline	65	11.398	11.395	(0.945)	258429	100.000	99.024	REV
58 1,4-Naphthoquinone	158	11.463	11.459	(0.950)	311456	100.000	97.696	REV
59 Dimethylphthalate	163	11.722	11.713	(0.972)	890021	100.000	94.541	REV
60 2,6-Dinitrotoluene	165	11.841	11.837	(0.982)	218032	100.000	95.626	REV
61 1,3-Dinitrobenzene	168	11.781	11.767	(0.977)	173430	100.000	104.30	REV
62 Acenaphthylene	152	11.819	11.815	(0.980)	1348529	100.000	94.558	REV
63 3-Nitroaniline	138	12.073	12.064	(1.001)	249697	100.000	101.00	REV
65 Acenaphthene	153	12.116	12.112	(1.004)	807404	100.000	94.664	REV
66 2,4-Dinitrophenol	184	12.240	12.236	(1.015)	110710	100.000	102.58	REV
67 Dibenzofuran	168	12.369	12.360	(1.025)	1121828	100.000	94.136	REV
68 4-Nitrophenol	109	12.407	12.398	(1.029)	113328	100.000	97.618	REV
69 Pentachlorobenzene	250	12.407	12.404	(1.029)	330680	100.000	94.520	REV
70 2,4-Dinitrotoluene	165	12.477	12.463	(1.034)	292897	100.000	98.790	REV
72 2,3,4,6-tetrachlorophenol	232	12.655	12.652	(1.049)	214289	100.000	106.24	REV
74 Diethylphthalate	149	12.844	12.835	(1.065)	878210	100.000	95.039	REV
75 4-Chlorophenyl-phenylether	204	12.909	12.905	(1.070)	434614	100.000	92.404	REV
76 Fluorene	166	12.920	12.911	(1.071)	872101	100.000	93.690	REV
77 5-Nitro-o-toluidine	152	13.033	13.024	(1.081)	281657	100.000	98.654	REV
78 4,6-Dinitro-2-methylphenol	198	13.130	13.116	(0.911)	163980	100.000	108.00	REV
79 4-Nitroaniline	138	13.082	13.062	(1.085)	233054	100.000	96.795	REV
80 N-Nitrosodiphenylamine/DPA	169	13.141	13.132	(1.089)	791317	100.000	93.215	REV
81 Azobenzene	77	13.168	13.159	(0.914)	997684	100.000	103.10	REV
83 Diallate #1	234	13.626	13.623	(0.946)	140970	100.000		REV
84 4-Bromophenyl-phenylether	248	13.686	13.682	(0.950)	263993	100.000	95.254	REV
85 Phenacetin	108	13.734	13.720	(0.953)	451930	100.000	95.197	REV
86 Diallate #2	234	13.756	13.752	(0.955)	41926	100.000		REV
87 Hexachlorobenzene	284	13.923	13.920	(0.966)	261427	100.000	95.439	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 3
Report Date: 31-May-2007 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
89 1,3,5-Trinitrobenzene	75	13.729	13.715	(0.953)	230156	100.000	102.26	REV
90 Pentachlorophenol	266	14.236	14.233	(0.988)	105098	100.000	131.46	REV
91 Pronamide	173	14.285	14.276	(0.991)	383691	100.000	92.906	REV
92 Pentachloronitrobenzene	295	14.349	14.341	(0.996)	48948	100.000	95.242	REV
94 Phenanthrene	178	14.452	14.443	(1.003)	1277328	100.000	91.193	REV
95 Anthracene	178	14.522	14.513	(1.008)	1291257	100.000	90.716	REV
96 Dinoseb	211	14.522	14.513	(1.008)	227884	100.000	109.17	REV
97 Carbazole	167	14.808	14.799	(1.028)	1250707	100.000	93.878	REV
98 Di-n-Butylphthalate	149	15.412	15.409	(1.070)	1436265	100.000	92.509	REV
101 Isodrin	193	16.119	16.116	(1.119)	144838	100.000	94.178	REV
102 Fluoranthene	202	16.357	16.353	(1.135)	1413113	100.000	90.399	REV
103 Benzidine	184	16.594	16.590	(0.889)	640863	100.000	102.09	REV
104 Pyrene	202	16.718	16.709	(0.896)	1449862	100.000	91.351	REV
106 4-Dimethylaminoazobenzene	120	17.225	17.222	(0.923)	392448	100.000	95.828	REV
107 Chlorobenzilate	251	17.301	17.297	(0.927)	407534	100.000	94.495	REV
109 3,3'-Dimethylbenzidine	212	17.770	17.767	(0.952)	787743	100.000	92.104	REV
110 Butylbenzylphthalate	149	17.803	17.799	(0.954)	629939	100.000	93.208	REV
111 2-Acetylaminofluorene	181	18.223	18.215	(0.976)	582101	100.000	98.522	REV
112 3,3'-Dichlorobenzidine	252	18.633	18.625	(0.998)	474126	100.000	90.173	REV
113 Benzo(a)anthracene	228	18.639	18.630	(0.999)	1286851	100.000	88.820	REV
115 bis(2-Ethylhexyl)phthalate	149	18.725	18.722	(1.003)	837552	100.000	92.840	REV
116 Chrysene	228	18.709	18.700	(1.002)	1214585	100.000	90.952	REV
117 Di-n-octylphthalate	149	19.653	19.644	(0.945)	1400098	100.000	95.806	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.295	20.286	(0.975)	549293	100.000	92.318	REV
119 Benzo(b)fluoranthene	252	20.290	20.276	(0.975)	1277499	100.000	88.349	REV
120 Benzo(k)fluoranthene	252	20.322	20.313	(0.977)	1436530	100.000	93.461	REV
121 Benzo(a)pyrene	252	20.732	20.729	(0.996)	1211573	100.000	92.690	REV
123 3-MethylCholanthrene	268	21.234	21.225	(1.020)	592967	100.000	95.797	REV
125 Indeno(1,2,3-cd)pyrene	276	22.410	22.396	(1.077)	1311010	100.000	91.820	REV
126 Dibenz(a,h)anthracene	278	22.410	22.396	(1.077)	1063111	100.000	91.183	REV
127 Benzo(g,h,i)perylene	276	22.858	22.838	(1.099)	1109271	100.000	93.790	REV
M 176 Diallate (total)	234				182896	100.000		

QC Flag Legend

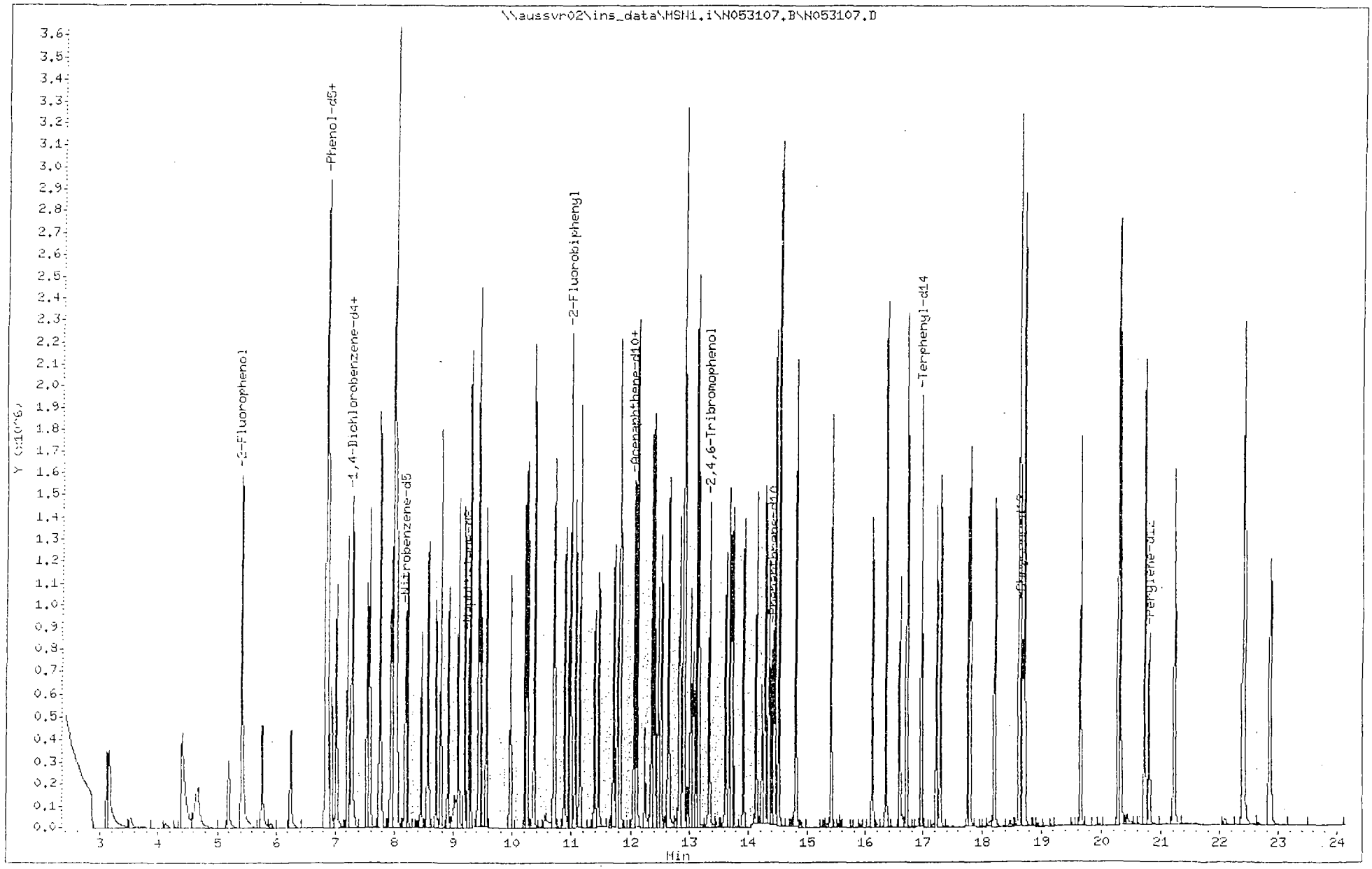
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D
Date : 31-MAY-2007 14:48
Client ID: MSL_100
Sample Info: Icalib_5;MSL_100;;1;5;3;;;; 06MSSV444

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 1
Report Date: 31-May-2007 15:47

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D
Lab Smp Id: Icalib_6 Client Smp ID: HSL_120
Inj Date : 31-MAY-2007 15:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;HSL_120;;1;6;3;;;; 06MSSV445
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 15:47 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 15:18 Cal File: N053108.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.268	7.268	(1.000)	140848	40.0000		REV
* 40 Naphthalene-d8	136	9.259	9.253	(1.000)	552229	40.0000		REV
* 64 Acenaphthene-d10	164	12.059	12.059	(1.000)	307082	40.0000		REV
* 93 Phenanthrene-d10	188	14.412	14.406	(1.000)	563226	40.0000		REV
* 114 Chrysene-d12	240	18.669	18.657	(1.000)	499356	40.0000		REV
* 122 Perylene-d12	264	20.805	20.799	(1.000)	466141	40.0000		REV
$ 6 2-Fluorophenol	112	5.423	5.412	(0.746)	1149942	240.000	231.56	REV
$ 12 Phenol-d5	99	6.864	6.847	(0.944)	1397229	240.000	231.34	REV
$ 82 2,4,6-Tribromophenol	330	13.354	13.343	(0.927)	288087	240.000	238.41	REV
$ 29 Nitrobenzene-d5	82	8.196	8.185	(0.885)	602966	120.000	114.64	REV
$ 54 2-Fluorobiphenyl	172	10.991	10.985	(0.911)	1174544	120.000	113.29	REV
$ 105 Terphenyl-d14	244	16.975	16.969	(0.909)	1150137	120.000	109.58	REV
1 Pyridine	79	3.108	3.118	(0.428)	562195	120.000	115.06	REV
2 N-Nitrosodimethylamine	74	3.162	3.162	(0.435)	325207	120.000	115.16	REV
3 2-Picoline	93	4.403	4.408	(0.606)	649147	120.000	115.56	REV
4 N-Nitrosomethylethylamine	88	4.673	4.672	(0.643)	302102	120.000	117.15	REV
5 Methyl methanesulfonate	80	5.202	5.190	(0.716)	314367	120.000	111.47	REV
7 N-Nitrosodiethylamine	102	5.768	5.762	(0.794)	299381	120.000	119.88	REV
8 Ethyl methanesulfonate	79	6.254	6.242	(0.860)	438387	120.000	118.00	REV
9 Pentachloroethane	117	6.826	6.825	(0.939)	201288	120.000	115.33	REV
10 Aniline	93	6.858	6.852	(0.944)	878285	120.000	114.71(Q)	REV
11 bis(2-Chloroethyl)ether	93	6.939	6.933	(0.955)	591449	120.000	118.48	REV
13 Phenol	94	6.880	6.863	(0.947)	845572	120.000	118.53(Q)	REV
14 2-Chlorophenol	128	7.025	7.019	(0.967)	620586	120.000	116.52	REV
15 1,3-Dichlorobenzene	146	7.214	7.208	(0.993)	639549	120.000	113.86	REV
16 1,4-Dichlorobenzene	146	7.295	7.289	(1.004)	662688	120.000	113.70	REV
18 1,2-Dichlorobenzene	146	7.581	7.581	(1.043)	616529	120.000	114.06	REV
19 Benzyl Alcohol	108	7.549	7.537	(1.039)	396588	120.000	120.06	REV
20 bis(2-Chloroisopropyl)ether	45	7.754	7.748	(1.067)	655331	120.000	112.46	REV
21 2-Methylphenol	108	7.765	7.753	(1.068)	546240	120.000	117.26	REV
22 Acetophenone	105	7.959	7.947	(1.095)	805201	120.000	117.68	REV
23 N-Nitroso-di-n-propylamine	70	8.013	7.985	(1.102)	395363	120.000	110.80	REV
24 N-Nitrosopyrrolidine	100	7.991	7.969	(1.099)	283133	120.000	114.90	REV

6-1-7
JG 6-1-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 2
Report Date: 31-May-2007 15:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.007	7.991	(1.102)	1137484	240.000	226.74(Q)	REV
27 o-Toluidine	106	8.029	8.018	(1.105)	898278	120.000	116.23(Q)	REV
28 Hexachloroethane	117	8.040	8.039	(1.106)	237414	120.000	113.68	REV
30 Nitrobenzene	77	8.223	8.212	(0.888)	619102	120.000	112.81	REV
31 N-Nitrosopiperidine	114	8.466	8.449	(0.914)	290890	120.000	116.87	REV
32 Isophorone	82	8.574	8.563	(0.926)	1099495	120.000	115.00	REV
33 2-Nitrophenol	139	8.709	8.702	(0.941)	336289	120.000	120.62	REV
34 2,4-Dimethyphenol	107	8.795	8.784	(0.950)	613818	120.000	114.81	REV
35 Bis(2-chloroethoxy)methane	93	8.919	8.913	(0.963)	635266	120.000	115.84	REV
36 2,4-Dichlorophenol	162	9.092	9.080	(0.982)	472824	120.000	116.72	REV
38 1,2,4-Trichlorobenzene	180	9.194	9.188	(0.993)	510784	120.000	112.91	REV
39 Benzoic Acid	122	9.076	9.021	(0.980)	158266	120.000	127.48	REV
41 Naphthalene	128	9.292	9.286	(1.003)	1655537	120.000	112.31	REV
42 4-Chloroaniline	127	9.437	9.426	(1.019)	695075	120.000	114.41	REV
43 2,6-Dichlorophenol	162	9.443	9.437	(1.020)	460631	120.000	114.23	REV
44 Hexachloropropene	213	9.470	9.464	(1.023)	321464	120.000	119.27	REV
45 Hexachlorobutadiene	225	9.561	9.555	(1.033)	296302	120.000	110.54	REV
46 N-Nitroso-di-n-butylamine	84	9.977	9.965	(1.077)	377364	120.000	114.77	REV
47 4-Chloro-3-Methylphenol	107	10.220	10.214	(1.104)	518818	120.000	115.40	REV
48 Safrole	162	10.257	10.251	(1.108)	444274	120.000	116.79	REV
49 2-Methylnaphthalene	142	10.376	10.370	(1.121)	1100941	120.000	113.65	REV
50 Hexachlorocyclopentadiene	237	10.727	10.721	(0.889)	146833	120.000	127.58	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.705	10.699	(0.888)	498557	120.000	114.77	REV
52 2,4,6-Trichlorophenol	196	10.889	10.883	(0.903)	317251	120.000	119.78	REV
53 2,4,5-Trichlorphenol	196	10.964	10.958	(0.909)	340251	120.000	120.29	REV
55 2-Chloronaphthalene	127	11.153	11.147	(0.925)	404768	120.000	114.70	REV
56 Isosafrole	162	11.072	11.066	(0.918)	424832	120.000	114.68	REV
57 2-Nitroaniline	65	11.407	11.395	(0.946)	324596	120.000	119.43	REV
58 1,4-Naphthoquinone	158	11.471	11.460	(0.951)	383390	120.000	116.12	REV
59 Dimethylphthalate	163	11.730	11.713	(0.973)	1118730	120.000	114.96	REV
60 2,6-Dinitrotoluene	165	11.849	11.838	(0.983)	272384	120.000	115.47	REV
61 1,3-Dinitrobenzene	168	11.784	11.767	(0.977)	220255	120.000	125.84	REV
62 Acenaphthylene	152	11.827	11.816	(0.981)	1660938	120.000	113.03	REV
63 3-Nitroaniline	138	12.081	12.064	(1.002)	315128	120.000	121.90	REV
65 Acenaphthene	153	12.119	12.113	(1.005)	995497	120.000	113.24	REV
66 2,4-Dinitrophenol	184	12.248	12.237	(1.016)	148358	120.000	123.77	REV
67 Dibenzofuran	168	12.372	12.361	(1.026)	1390567	120.000	113.21	REV
68 4-Nitrophenol	109	12.410	12.399	(1.029)	144355	120.000	119.32	REV
69 Pentachlorobenzene	250	12.410	12.404	(1.029)	406261	120.000	112.75	REV
70 2,4-Dinitrotoluene	165	12.480	12.463	(1.035)	369904	120.000	119.74	REV
72 2,3,4,6-tetrachlorophenol	232	12.664	12.652	(1.050)	267348	120.000	125.90	REV
74 Diethylphthalate	149	12.847	12.836	(1.065)	1109293	120.000	115.95	REV
75 4-Chlorophenyl-phenylether	204	12.917	12.906	(1.071)	523528	120.000	108.78	REV
76 Fluorene	166	12.923	12.911	(1.072)	1061768	120.000	111.06	REV
77 5-Nitro-o-toluidine	152	13.041	13.025	(1.081)	354379	120.000	119.23	REV
78 4,6-Dinitro-2-methylphenol	198	13.139	13.116	(0.912)	206626	120.000	127.66	REV
79 4-Nitroaniline	138	13.095	13.062	(1.086)	298981	120.000	119.27	REV
80 N-Nitrosodiphenylamine/DPA	169	13.149	13.132	(1.090)	979844	120.000	112.18	REV
81 Azobenzene	77	13.171	13.159	(0.914)	1231524	120.000	120.76	REV
83 Diallate #1	234	13.629	13.623	(0.946)	181341	120.000		REV
84 4-Bromophenyl-phenylether	248	13.689	13.683	(0.950)	328106	120.000	113.67	REV
85 Phenacetin	108	13.748	13.721	(0.954)	571756	120.000	115.32	REV
86 Diallate #2	234	13.759	13.753	(0.955)	52359	120.000	(Q)	REV
87 Hexachlorobenzene	284	13.926	13.920	(0.966)	324384	120.000	113.70	REV

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 3
Report Date: 31-May-2007 15:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.737	13.715	(0.953)	291754	120.000	122.62	REV
90 Pentachlorophenol	266	14.239	14.233	(0.988)	139870	120.000	156.20(A)	REV
91 Pronamide	173	14.293	14.276	(0.992)	476130	120.000	111.15	REV
92 Pentachloronitrobenzene	295	14.358	14.341	(0.996)	61630	120.000	115.22	REV
94 Phenanthrene	178	14.455	14.444	(1.003)	1644546	120.000	112.88	REV
95 Anthracene	178	14.531	14.514	(1.008)	1573582	120.000	107.27	REV
96 Dinoseb	211	14.525	14.514	(1.008)	282391	120.000	127.03	REV
97 Carbazole	167	14.811	14.800	(1.028)	1549617	120.000	111.99	REV
98 Di-n-Butylphthalate	149	15.415	15.409	(1.070)	1758995	120.000	109.52	REV
101 Isodrin	193	16.117	16.116	(1.118)	180480	120.000	112.83	REV
102 Fluoranthene	202	16.360	16.354	(1.135)	1737508	120.000	107.76	REV
103 Benzidine	184	16.597	16.591	(0.889)	810577	120.000	122.16	REV
104 Pyrene	202	16.721	16.710	(0.896)	1782300	120.000	108.64	REV
106 4-Dimethylaminoazobenzene	120	17.234	17.222	(0.923)	483541	120.000	113.35	REV
107 Chlorobenzilate	251	17.304	17.297	(0.927)	504545	120.000	112.47	REV
109 3,3'-Dimethylbenzidine	212	17.773	17.767	(0.952)	931954	120.000	105.89	REV
110 Butylbenzylphthalate	149	17.806	17.800	(0.954)	778785	120.000	111.04	REV
111 2-Acetylaminofluorene	181	18.232	18.215	(0.977)	732198	120.000	118.05	REV
112 3,3'-Dichlorobenzidine	252	18.636	18.625	(0.998)	568500	120.000	105.19	REV
113 Benzo(a)anthracene	228	18.647	18.630	(0.999)	1556002	120.000	104.59	REV
115 bis(2-Ethylhexyl)phthalate	149	18.728	18.722	(1.003)	1008690	120.000	108.24	REV
116 Chrysene	228	18.717	18.701	(1.003)	1460034	120.000	106.19	REV
117 Di-n-octylphthalate	149	19.656	19.645	(0.945)	1728615	120.000	110.12	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.304	20.287	(0.976)	672389	120.000	105.93	REV
119 Benzo(b)fluoranthene	252	20.304	20.276	(0.976)	1640583	120.000	106.29	REV
120 Benzo(k)fluoranthene	252	20.331	20.314	(0.977)	1708417	120.000	104.44(A)	REV
121 Benzo(a)pyrene	252	20.741	20.729	(0.997)	1542218	120.000	109.88	REV
123 3-MethylCholanthrene	268	21.242	21.226	(1.021)	759820	120.000	113.62	REV
125 Indeno(1,2,3-cd)pyrene	276	22.430	22.397	(1.078)	1655556	120.000	108.28	REV
126 Dibenz(a,h)anthracene	278	22.424	22.397	(1.078)	1332677	120.000	106.96	REV
127 Benzo(g,h,i)perylene	276	22.867	22.839	(1.099)	1397116	120.000	110.00	REV
M 176 Diallate (total)	234				233700	120.000	117.57	REV

QC Flag Legend

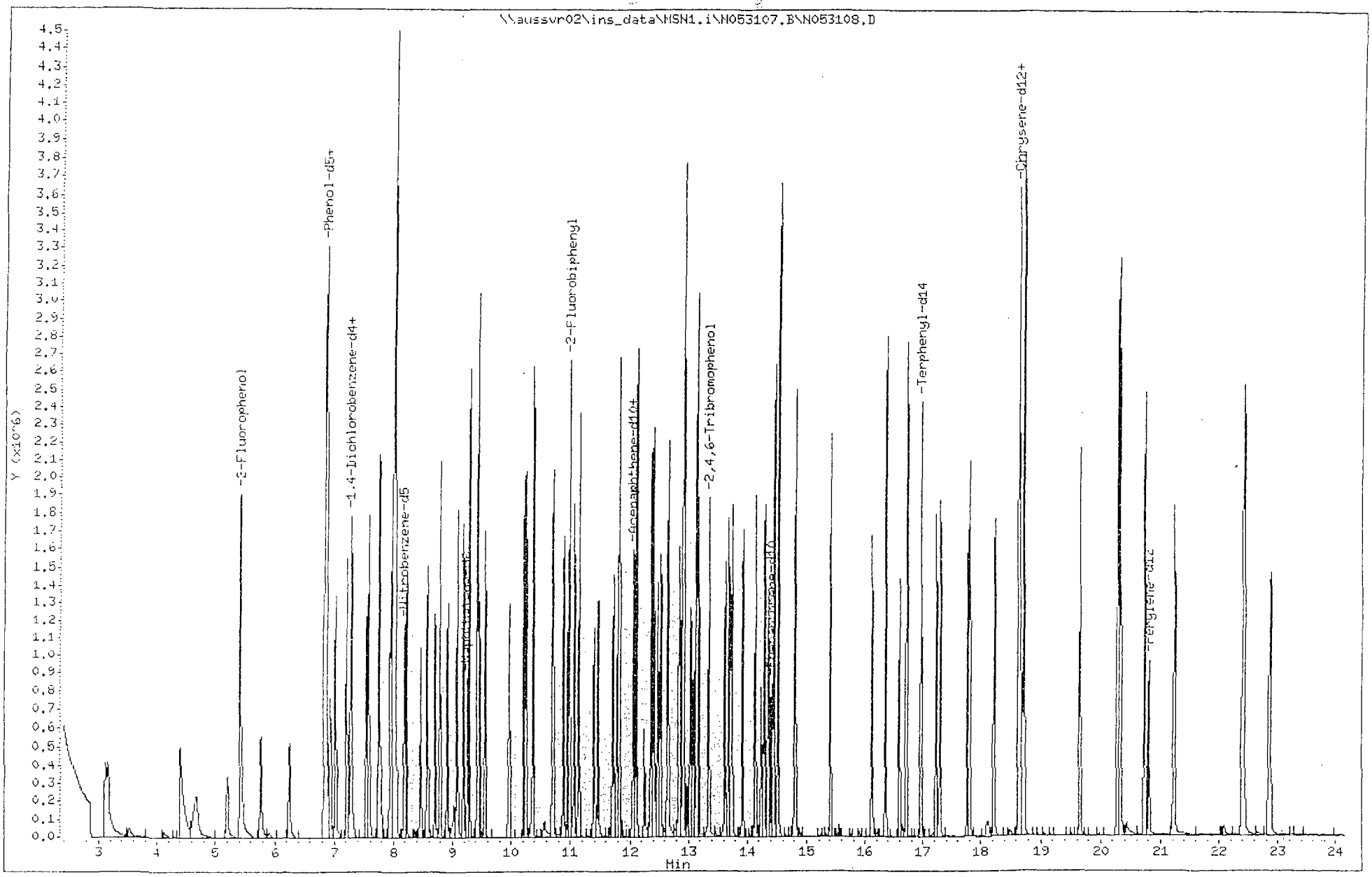
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053108.D
Date : 31-MAY-2007 15:18
Client ID: HSL_120
Sample Info: Icalib_6;HSL_120;;1;6;3;;;; 06MSSV445

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 1
Report Date: 31-May-2007 16:19

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D
Lab Smp Id: Icalib_7 Client Smp ID: HSL_150
Inj Date : 31-MAY-2007 15:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;HSL_150;;1;7;3;;;; 06MSSV446
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 16:16 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 15:48 Cal File: N053109.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.270	7.268	(1.000)	129406	40.0000		REV
* 40 Naphthalene-d8	136	9.261	9.253	(1.000)	507453	40.0000		REV
* 64 Acenaphthene-d10	164	12.061	12.059	(1.000)	280049	40.0000		REV
* 93 Phenanthrene-d10	188	14.419	14.406	(1.000)	516723	40.0000		REV
* 114 Chrysene-d12	240	18.671	18.657	(1.000)	453011	40.0000		REV
* 122 Perylene-d12	264	20.813	20.799	(1.000)	420225	40.0000		REV
$ 6 2-Fluorophenol	112	5.425	5.412	(0.746)	1328931	300.000	292.48	REV
$ 12 Phenol-d5	99	6.871	6.847	(0.945)	1606498	300.000	290.96	REV
$ 82 2,4,6-Tribromophenol	330	13.361	13.343	(0.927)	327835	300.000	296.32	REV
$ 29 Nitrobenzene-d5	82	8.198	8.185	(0.885)	695791	150.000	144.79	REV
$ 54 2-Fluorobiphenyl	172	10.993	10.985	(0.911)	1328120	150.000	141.76	REV
$ 105 Terphenyl-d14	244	16.976	16.969	(0.909)	1292150	150.000	137.58	REV
1 Pyridine	79	3.115	3.118	(0.429)	640666	150.000	143.71	REV
2 N-Nitrosodimethylamine	74	3.169	3.162	(0.436)	374290	150.000	145.05	REV
3 2-Picoline	93	4.405	4.408	(0.606)	741628	150.000	144.56	REV
4 N-Nitrosomethylethylamine	88	4.680	4.672	(0.644)	348154	150.000	147.38	REV
5 Methyl methanesulfonate	80	5.209	5.190	(0.717)	355383	150.000	138.85	REV
7 N-Nitrosodiethylamine	102	5.770	5.762	(0.794)	340344	150.000	148.57	REV
8 Ethyl methanesulfonate	79	6.261	6.242	(0.861)	502729	150.000	147.67	REV
9 Pentachloroethane	117	6.828	6.825	(0.939)	232801	150.000	145.85	REV
10 Aniline	93	6.860	6.852	(0.944)	1008486	150.000	144.27(Q)	REV
11 bis(2-Chloroethyl)ether	93	6.941	6.933	(0.955)	678641	150.000	148.26	REV
13 Phenol	94	6.887	6.863	(0.947)	970580	150.000	148.35(Q)	REV
14 2-Chlorophenol	128	7.027	7.019	(0.967)	719119	150.000	147.39	REV
15 1,3-Dichlorobenzene	146	7.216	7.208	(0.993)	738620	150.000	144.07	REV
16 1,4-Dichlorobenzene	146	7.297	7.289	(1.004)	760809	150.000	143.16	REV
18 1,2-Dichlorobenzene	146	7.583	7.581	(1.043)	710256	150.000	143.97	REV
19 Benzyl Alcohol	108	7.556	7.527	(1.039)	456315	150.000	150.31(A)	REV
20 bis(2-Chloroisopropyl)ether	45	7.756	7.748	(1.067)	747576	150.000	141.02	REV
21 2-Methylphenol	108	7.766	7.753	(1.068)	630279	150.000	147.65	REV
22 Acetophenone	105	7.961	7.947	(1.095)	919179	150.000	146.74	REV
23 N-Nitroso-di-n-propylamine	70	8.020	7.985	(1.103)	438047	150.000	135.74	REV
24 N-Nitrosopyrrolidine	100	8.004	7.969	(1.101)	311241	150.000	139.14(H)	REV

6-1-7

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 2
Report Date: 31-May-2007 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.015	7.991	(1.102)	1271786	300.000	275.13(Q)	REV
27 o-Toluidine	106	8.031	8.018	(1.105)	1002036	150.000	142.32(Q)	REV
28 Hexachloroethane	117	8.042	8.039	(1.106)	268262	150.000	141.18	REV
30 Nitrobenzene	77	8.230	8.212	(0.889)	708916	150.000	141.85	REV
31 N-Nitrosopiperidine	114	8.473	8.449	(0.915)	334247	150.000	146.68	REV
32 Isophorone	82	8.581	8.563	(0.927)	1255770	150.000	143.91	REV
33 2-Nitrophenol	139	8.716	8.702	(0.941)	390792	150.000	152.16(A)	REV
34 2,4-Dimethyphenol	107	8.797	8.784	(0.950)	699536	150.000	143.42	REV
35 Bis(2-chloroethoxy)methane	93	8.926	8.913	(0.964)	728759	150.000	145.36	REV
36 2,4-Dichlorophenol	162	9.094	9.080	(0.982)	544072	150.000	146.69	REV
38 1,2,4-Trichlorobenzene	180	9.196	9.188	(0.993)	591074	150.000	143.25	REV
39 Benzoic Acid	122	9.099	9.021	(0.983)	203003	150.000	157.88(A)	REV
41 Naphthalene	128	9.293	9.286	(1.003)	1891181	150.000	141.01	REV
42 4-Chloroaniline	127	9.439	9.426	(1.019)	770406	150.000	139.59	REV
43 2,6-Dichlorophenol	162	9.450	9.437	(1.020)	527808	150.000	143.47	REV
44 Hexachloropropene	213	9.471	9.464	(1.023)	365913	150.000	148.06	REV
45 Hexachlorobutadiene	225	9.563	9.555	(1.033)	337195	150.000	138.63	REV
46 N-Nitroso-di-n-butylamine	84	9.978	9.965	(1.077)	427775	150.000	142.72	REV
47 4-Chloro-3-Methylphenol	107	10.221	10.214	(1.104)	587361	150.000	143.24	REV
48 Safrole	162	10.259	10.251	(1.108)	505819	150.000	145.44	REV
49 2-Methylnaphthalene	142	10.378	10.370	(1.121)	1257651	150.000	142.47	REV
50 Hexachlorocyclopentadiene	237	10.723	10.721	(0.889)	170812	150.000	168.12(A)	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.707	10.699	(0.888)	566888	150.000	144.04	REV
52 2,4,6-Trichlorophenol	196	10.890	10.883	(0.903)	361570	150.000	149.74	REV
53 2,4,5-Trichlorphenol	196	10.966	10.958	(0.909)	392465	150.000	151.84(A)	REV
55 2-Chloronaphthalene	127	11.155	11.147	(0.925)	458694	150.000	143.55	REV
56 Isosafrole	162	11.074	11.066	(0.918)	483543	150.000	144.08	REV
57 2-Nitroaniline	65	11.408	11.395	(0.946)	370371	150.000	149.51	REV
58 1,4-Naphthoquinone	158	11.473	11.460	(0.951)	430274	150.000	143.87	REV
59 Dimethylphthalate	163	11.732	11.713	(0.973)	1322842	150.000	149.19	REV
60 2,6-Dinitrotoluene	165	11.851	11.838	(0.983)	314680	150.000	146.80	REV
61 1,3-Dinitrobenzene	168	11.791	11.767	(0.978)	252558	150.000	157.00(A)	REV
62 Acenaphthylene	152	11.829	11.816	(0.981)	1875915	150.000	141.33	REV
63 3-Nitroaniline	138	12.083	12.064	(1.002)	363998	150.000	153.76(A)	REV
65 Acenaphthene	153	12.120	12.113	(1.005)	1127128	150.000	141.86	REV
66 2,4-Dinitrophenol	184	12.250	12.237	(1.016)	176908	150.000	153.72(A)	REV
67 Dibenzofuran	168	12.374	12.361	(1.026)	1591878	150.000	143.19	REV
68 4-Nitrophenol	109	12.417	12.399	(1.030)	168367	150.000	158.08(A)	REV
69 Pentachlorobenzene	250	12.412	12.404	(1.029)	459377	150.000	141.17	REV
70 2,4-Dinitrotoluene	165	12.487	12.463	(1.035)	429228	150.000	152.02(A)	REV
72 2,3,4,6-tetrachlorophenol	232	12.665	12.652	(1.050)	303317	150.000	155.65(A)	REV
74 Diethylphthalate	149	12.854	12.836	(1.066)	1269489	150.000	146.12	REV
75 4-Chlorophenyl-phenylether	204	12.919	12.906	(1.071)	586648	150.000	135.78	REV
76 Fluorene	166	12.930	12.911	(1.072)	1201351	150.000	139.41	REV
77 5-Nitro-o-toluidine	152	13.049	13.025	(1.082)	396354	150.000	146.76	REV
78 4,6-Dinitro-2-methylphenol	198	13.146	13.116	(0.912)	238126	150.000	158.79(A)	REV
79 4-Nitroaniline	138	13.102	13.062	(1.086)	344891	150.000	150.74(A)	REV
80 N-Nitrosodiphenylamine/DPA	169	13.151	13.132	(1.090)	1125577	150.000	142.48	REV
81 Azobenzene	77	13.178	13.159	(0.914)	1389889	150.000	148.76	REV
83 Diallate #1	234	13.631	13.623	(0.945)	209766	150.000		REV
84 4-Bromophenyl-phenylether	248	13.691	13.683	(0.949)	374614	150.000	142.62	REV
85 Phenacetin	108	13.755	13.721	(0.954)	657812	150.000	145.37	REV
86 Diallate #2	234	13.761	13.753	(0.954)	59673	150.000	(Q)	REV
87 Hexachlorobenzene	284	13.933	13.920	(0.966)	370213	150.000	142.60	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 3
Report Date: 31-May-2007 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.745	13.715	(0.953)	325895	150.000	149.40	REV
90 Pentachlorophenol	266	14.241	14.233	(0.988)	168184	150.000	194.58(A)	REV
91 Pronamide	173	14.295	14.276	(0.991)	539690	150.000	139.01	REV
92 Pentachloronitrobenzene	295	14.360	14.341	(0.996)	71435	150.000	145.78	REV
94 Phenanthrene	178	14.462	14.444	(1.003)	1862147	150.000	140.75	REV
95 Anthracene	178	14.532	14.514	(1.008)	1775512	150.000	134.24	REV
96 Dinoseb	211	14.527	14.514	(1.007)	325866	150.000	158.30(A)	REV
97 Carbazole	167	14.818	14.800	(1.028)	1763960	150.000	140.43	REV
98 Di-n-Butylphthalate	149	15.417	15.409	(1.069)	1985612	150.000	136.75	REV
101 Isodrin	193	16.124	16.116	(1.118)	205095	150.000	141.14	REV
102 Fluoranthene	202	16.361	16.354	(1.135)	1960130	150.000	134.76	REV
103 Benzidine	184	16.599	16.591	(0.889)	831870	150.000	139.76	REV
104 Pyrene	202	16.723	16.710	(0.896)	2004248	150.000	136.66	REV
106 4-Dimethylaminoazobenzene	120	17.235	17.222	(0.923)	541325	150.000	141.24	REV
107 Chlorobenzilate	251	17.306	17.297	(0.927)	576994	150.000	142.90	REV
109 3,3'-Dimethylbenzidine	212	17.775	17.767	(0.952)	996505	150.000	127.88	REV
110 Butylbenzylphthalate	149	17.807	17.800	(0.954)	886456	150.000	140.76	REV
111 2-Acetylaminofluorene	181	18.239	18.215	(0.977)	828581	150.000	147.64	REV
112 3,3'-Dichlorobenzidine	252	18.644	18.625	(0.999)	621055	150.000	129.55	REV
113 Benzo(a)anthracene	228	18.649	18.630	(0.999)	1730848	150.000	130.96	REV
115 bis(2-Ethylhexyl)phthalate	149	18.730	18.722	(1.003)	1114667	150.000	134.17	REV
116 Chrysene	228	18.719	18.701	(1.003)	1618576	150.000	132.32	REV
117 Di-n-octylphthalate	149	19.658	19.645	(0.945)	1968581	150.000	140.57	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.305	20.287	(0.976)	757411	150.000	134.62	REV
120 Benzo(k)fluoranthene	252	20.338	20.314	(0.977)	1814001	150.000	126.26(A)	REV
121 Benzo(a)pyrene	252	20.742	20.729	(0.997)	1733354	150.000	138.72	REV
123 3-MethylCholanthrene	268	21.244	21.226	(1.021)	856419	150.000	143.15	REV
125 Indeno(1,2,3-cd)pyrene	276	22.437	22.397	(1.078)	1869434	150.000	137.50	REV
126 Dibenz(a,h)anthracene	278	22.431	22.397	(1.078)	1502667	150.000	125.89	REV
127 Benzo(g,h,i)perylene	276	22.674	22.839	(1.099)	1576337	150.000	139.30	REV
M 176 Diallate (total)	234				269439	150.000	148.06	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D

Date : 31-MAY-2007 15:48

Client ID: HSL_150

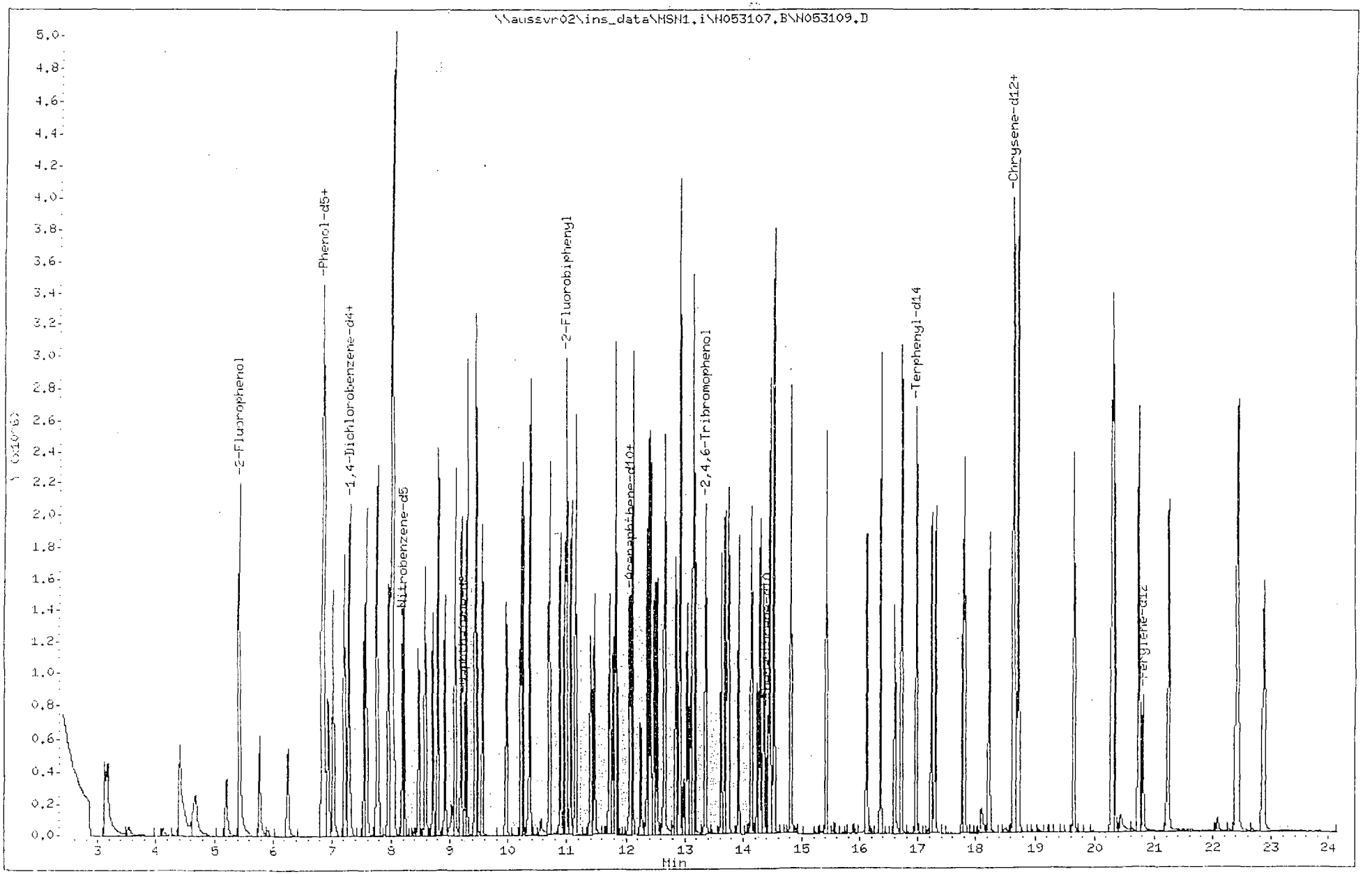
Sample Info: Icalib_7;HSL_150;;1;7;3;;;; 06MSSV446

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Lab Smp Id: Icalib_1 Client Smp ID: APPIX_010
Inj Date : 31-MAY-2007 16:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;APPIX_010;;1;1;3;;;; SMAP9IC100001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 19:49 Cal File: N053117.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	155352	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	595718	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.058	(1.000)	343024	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.405	(1.000)	578555	40.0000		REV
* 114 Chrysene-d12	240	18.649	18.652	(1.000)	544790	40.0000		REV
* 122 Perylene-d12	264	20.797	20.799	(1.000)	490040	40.0000		REV
26 N-Nitrosomorpholine	56	7.972	7.985	(1.097)	32418	10.0000	10.728	REV
37 a,a-Dimethylphenethylamine	58	8.991	9.026	(0.972)	97107	10.0000	9.7627	REV
71 1-Naphthylamine	143	12.504	12.517	(1.037)	89002	10.0000	9.5459	REV
73 2-Naphthylamine	143	12.622	12.636	(1.047)	87702	10.0000	9.4409	REV
89 4-Aminobiphenyl	169	14.117	14.130	(0.981)	102869	10.0000	9.4570	REV
99 4-Nitroquinoline-1-oxide	190	15.752	15.754	(1.094)	776	10.0000	17.853	REV
100 Methapyrilene	58	15.865	15.878	(1.102)	52215	10.0000	10.067	REV
129 2-Ethoxyethanol	59	2.484	2.487	(0.342)	28619	10.0000	10.934	REV
130 N,N-Dimethylformamide	73	3.903	3.868	(0.537)	34321	10.0000	9.7827	REV
131 Propyl cellosolve	43	4.227	4.229	(0.582)	49289	10.0000	10.023	REV
132 Acrylamide	55	5.215	5.287	(0.718)	12203	10.0000	8.9606	REV
136 o,o,o-Triethylphosphorothioat	198	8.916	8.924	(0.964)	25903	10.0000	10.122	REV
142 p-Phenylenediamine	108	9.979	9.981	(1.079)	28477	10.0000	11.765	REV
143 1-Methylnaphthalene	142	10.540	10.542	(1.139)	93494	10.0000	10.270	REV
146 Biphenyl	154	11.117	11.125	(0.922)	121480	10.0000	10.586	REV
149 Diphenyl ether	170	11.301	11.303	(0.937)	66732	10.0000	10.444	REV
150 1,4-Dinitrobenzene	168	11.576	11.578	(0.960)	13604	10.0000	(Q)	REV
151 Dimethyl terephthalate	194	12.083	12.091	(1.002)	18936	10.0000	10.337	REV
153 2,3,5,6-Tetrachlorophenol	232	12.574	12.582	(1.043)	14458	10.0000	11.036	REV
154 Thionazin	97	12.946	12.959	(1.074)	20746	10.0000	10.122	REV
155 Sulfotepp	97	13.507	13.515	(0.938)	15045	10.0000	10.178	REV
156 Phorate	75	13.631	13.645	(0.947)	55037	10.0000	10.305	REV
157 Dimethoate	87	13.939	13.963	(0.968)	33669	10.0000	11.412	REV
158 Disulfoton	88	14.462	14.470	(1.004)	45269	10.0000	10.191	REV
159 Methyl parathion	109	15.077	15.085	(1.047)	27432	10.0000	10.935	REV
160 Parathion	109	15.703	15.711	(1.091)	17661	10.0000	9.5534	REV
161 Aramite #1	185	16.955	16.963	(0.909)	6370	10.0000		REV

6-6-7

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.079	17.081	(0.916)	11957	10.0000		REV
163 Famphur	218	17.737	17.740	(0.951)	30985	10.0000	212.22(A)	REV
164 4,4-Methylenebis(2-chloroa	268	18.601	18.608	(0.997)	13385	10.0000	9.8906	REV
167 Dibenz(a,j)acridine	279	22.070	22.078	(1.061)	102662	10.0000	9.8845	REV
173 1-Methyl-2-pyrrolidone	99	7.626	7.623	(1.050)	32319	10.0000	10.090	REV
M 177 Aramite (total)	185				18327	10.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

530

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D

Date : 31-MAY-2007 16:48

Client ID: APPIX_010

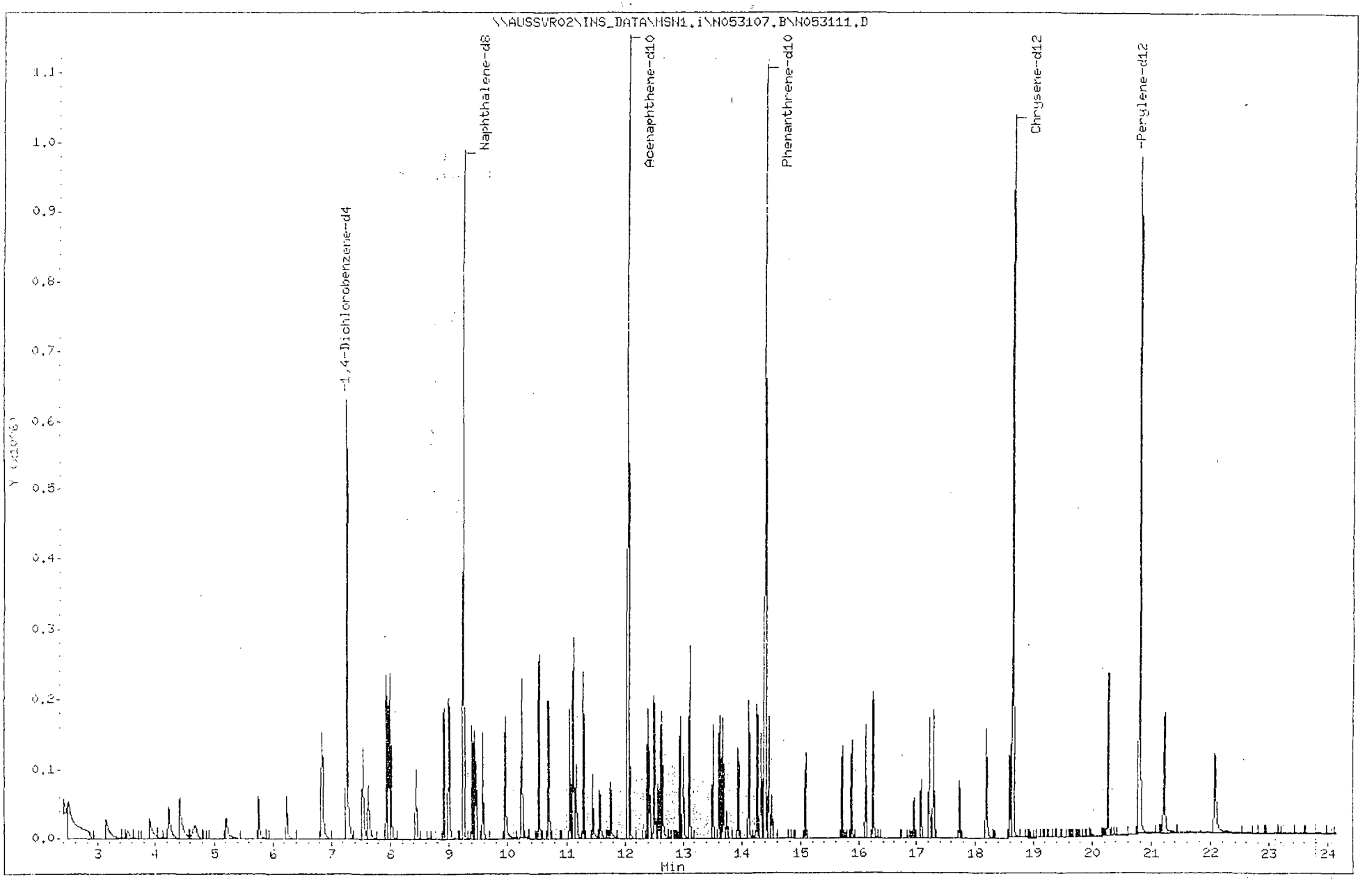
Instrument: MSN1.i

Sample Info: Icalib_1;APPIX_010;;1;1;3;;;; SMAP9IC100001

Operator: mailoym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Lab Smp Id: Icalib_2 Client Smp ID: APPIX_020
Inj Date : 31-MAY-2007 17:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;APPIX_020;;1;2;3;;;; SMAP9IC200001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 16:48 Cal File: N053111.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.266	7.267	(1.000)	146904	40.0000		REV
* 40 Naphthalene-d8	136	9.251	9.253	(1.000)	562104	40.0000		REV
* 64 Acenaphthene-d10	164	12.057	12.058	(1.000)	333139	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.405	(1.000)	548252	40.0000		REV
* 114 Chrysene-d12	240	18.650	18.652	(1.000)	506536	40.0000		REV
* 122 Perylene-d12	264	20.798	20.799	(1.000)	456465	40.0000		REV
26 N-Nitrosomorpholine	56	7.972	7.985	(1.097)	61881	20.0000	21.656	REV
37 a,a-Dimethylphenethylamine	58	8.992	9.026	(0.972)	206916	20.0000	22.046	REV
71 1-Naphthylamine	143	12.505	12.517	(1.037)	179131	20.0000	19.783	REV
73 2-Naphthylamine	143	12.623	12.636	(1.047)	175219	20.0000	19.421	REV
89 4-Aminobiphenyl	169	14.118	14.130	(0.981)	195150	20.0000	18.932	REV
99 4-Nitroquinoline-1-oxide	190	15.753	15.754	(1.094)	2596	20.0000	21.588	REV
100 Methapyrilene	58	15.871	15.878	(1.102)	94982	20.0000	20.130	REV
129 2-Ethoxyethanol	59	2.480	2.487	(0.341)	50558	20.0000	20.427	REV
130 N,N-Dimethylformamide	73	3.888	3.868	(0.535)	63571	20.0000	19.162	REV
131 Propyl cellosolve	43	4.228	4.229	(0.582)	96526	20.0000	20.758	REV
132 Acrylamide	55	5.226	5.287	(0.719)	25304	20.0000	19.649	REV
136 o,o,o-Triethylphosphorothioat	198	8.917	8.924	(0.964)	50704	20.0000	20.999	REV
142 p-Phenylenediamine	108	9.969	9.981	(1.078)	83105	20.0000	19.565	REV
143 1-Methylnaphthalene	142	10.541	10.542	(1.139)	179050	20.0000	20.845	REV
146 Biphenyl	154	11.118	11.125	(0.922)	231431	20.0000	20.766	REV
149 Diphenyl ether	170	11.296	11.303	(0.937)	128548	20.0000	20.716	REV
150 1,4-Dinitrobenzene	168	11.577	11.578	(0.960)	28075	20.0000	21.250(Q)	REV
151 Dimethyl terephthalate	194	12.084	12.091	(1.002)	36936	20.0000	20.762	REV
153 2,3,5,6-Tetrachlorophenol	232	12.575	12.582	(1.043)	30816	20.0000	18.901	REV
154 Thionazin	97	12.947	12.959	(1.074)	41447	20.0000	20.823	REV
155 Sulfotepp	97	13.508	13.515	(0.938)	30446	20.0000	21.736	REV
156 Phorate	75	13.632	13.645	(0.947)	108897	20.0000	21.516	REV
157 Dimethoate	87	13.940	13.963	(0.968)	66386	20.0000	23.745	REV
158 Disulfoton	88	14.463	14.470	(1.004)	90877	20.0000	21.588	REV
159 Methyl parathion	109	15.078	15.085	(1.047)	56628	20.0000	23.821	REV
160 Parathion	109	15.704	15.711	(1.091)	37108	20.0000	21.182	REV
161 Aramite #1	185	16.956	16.963	(0.909)	12976	20.0000		REV

6-6-7

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.080	17.081	(0.916)	23580	20.0000		REV
163 Famphur	218	17.738	17.740	(0.951)	22578	20.0000	239.99(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.602	18.608	(0.997)	26341	20.0000	20.934	REV
167 Dibenz(a,j)acridine	279	22.071	22.078	(1.061)	199038	20.0000	20.573	REV
173 1-Methyl-2-pyrrolidone	99	7.622	7.623	(1.049)	61626	20.0000	20.346	REV
M 177 Aramite (total)	185				36556	20.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

533

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D

Date : 31-MAY-2007 17:18

Client ID: APPIX_020

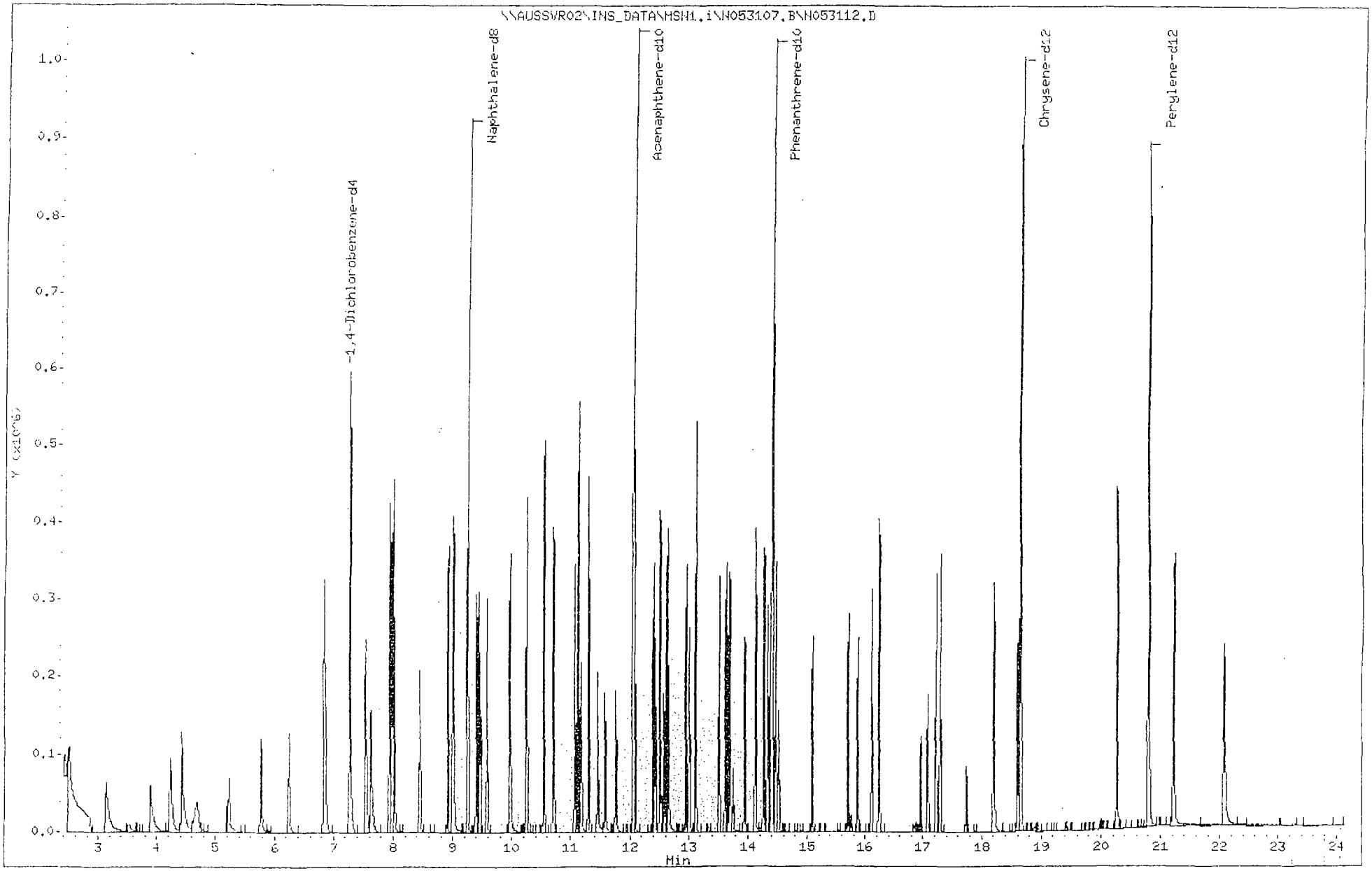
Sample Info: lcalib_2;APPIX_020;;1;2;3;;;; SMAP9IC200001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Lab Smp Id: Icalib_3 Client Smp ID: APPIX_050
Inj Date : 31-MAY-2007 17:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;APPIX_050;;1;3;3;;;; SMAP9IC300001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 17:18 Cal File: N053112.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.264	7.267	(1.000)	138907	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	521535	40.0000		REV
* 64 Acenaphthene-d10	164	12.055	12.058	(1.000)	297742	40.0000		REV
* 93 Phenanthrene-d10	188	14.402	14.405	(1.000)	506586	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	471470	40.0000		REV
* 122 Perylene-d12	264	20.796	20.799	(1.000)	422504	40.0000		REV
26 N-Nitrosomorpholine	56	7.976	7.985	(1.098)	132478	50.0000	49.032	REV
37 a,a-Dimethylphenethylamine	58	9.007	9.026	(0.974)	455170	50.0000	52.270	REV
71 1-Naphthylamine	143	12.514	12.517	(1.038)	407503	50.0000	50.354	REV
73 2-Naphthylamine	143	12.627	12.636	(1.047)	405120	50.0000	50.242	REV
89 4-Aminobiphenyl	169	14.127	14.130	(0.981)	495034	50.0000	51.975	REV
99 4-Nitroquinoline-1-oxide	190	15.751	15.754	(1.094)	12113	50.0000	42.693	REV
100 Methapyrilene	58	15.875	15.878	(1.102)	182726	50.0000	49.326	REV
129 2-Ethoxyethanol	59	2.484	2.487	(0.342)	114350	50.0000	48.862	REV
130 N,N-Dimethylformamide	73	3.870	3.868	(0.533)	156109	50.0000	49.764	REV
131 Propyl celiosolve	43	4.226	4.229	(0.582)	218730	50.0000	49.746	REV
132 Acrylamide	55	5.262	5.287	(0.724)	59790	50.0000	49.101	REV
136 o,o,o-Triethylphosphorothioat	198	8.920	8.924	(0.964)	107998	50.0000	48.207	REV
142 p-Phenylenediamine	108	9.978	9.981	(1.079)	218644	50.0000	46.329	REV
143 1-Methylnaphthalene	142	10.539	10.542	(1.139)	391253	50.0000	49.093	REV
146 Biphenyl	154	11.122	11.125	(0.923)	502047	50.0000	50.402	REV
149 Diphenyl ether	170	11.300	11.303	(0.937)	278562	50.0000	50.229	REV
150 1,4-Dinitrobenzene	168	11.580	11.578	(0.961)	65405	50.0000	53.712(Q)	REV
151 Dimethyl terephthalate	194	12.088	12.091	(1.003)	79110	50.0000	49.755	REV
153 2,3,5,6-Tetrachlorophenol	232	12.579	12.582	(1.043)	79788	50.0000	46.311	REV
154 Thionazin	97	12.956	12.959	(1.075)	90180	50.0000	50.693	REV
155 Sulfotepp	97	13.512	13.515	(0.938)	65356	50.0000	50.497	REV
156 Phorate	75	13.642	13.645	(0.947)	233421	50.0000	49.913	REV
157 Dimethoate	87	13.954	13.963	(0.969)	133348	50.0000	51.620	REV
158 Disulfoton	88	14.467	14.470	(1.004)	195367	50.0000	50.228	REV
159 Methyl parathion	109	15.082	15.085	(1.047)	116890	50.0000	53.216	REV
160 Parathion	109	15.708	15.711	(1.091)	82957	50.0000	51.249	REV
161 Aramite #1	185	16.960	16.963	(0.909)	30314	50.0000		REV

AM 6-7
JG 10-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.084	17.081	(0.916)	52767	50.0000		REV
162 Famphur	218	17.737	17.740	(0.951)	12906	50.0000	102.14	REV
164 4,4-Methylenebis(2-chloroa	266	18.605	18.608	(0.997)	59062	50.0000	50.430	REV
167 Dibenz(a,j)acridine	279	22.069	22.078	(1.061)	448835	50.0000	50.122	REV
173 1-Methyl-2-pyrrolidone	99	7.620	7.623	(1.049)	136180	50.0000	47.549	REV
M 177 Aramite (total)	185				83081	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

536

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D

Date : 31-MAY-2007 17:49

Client ID: APPIX_050

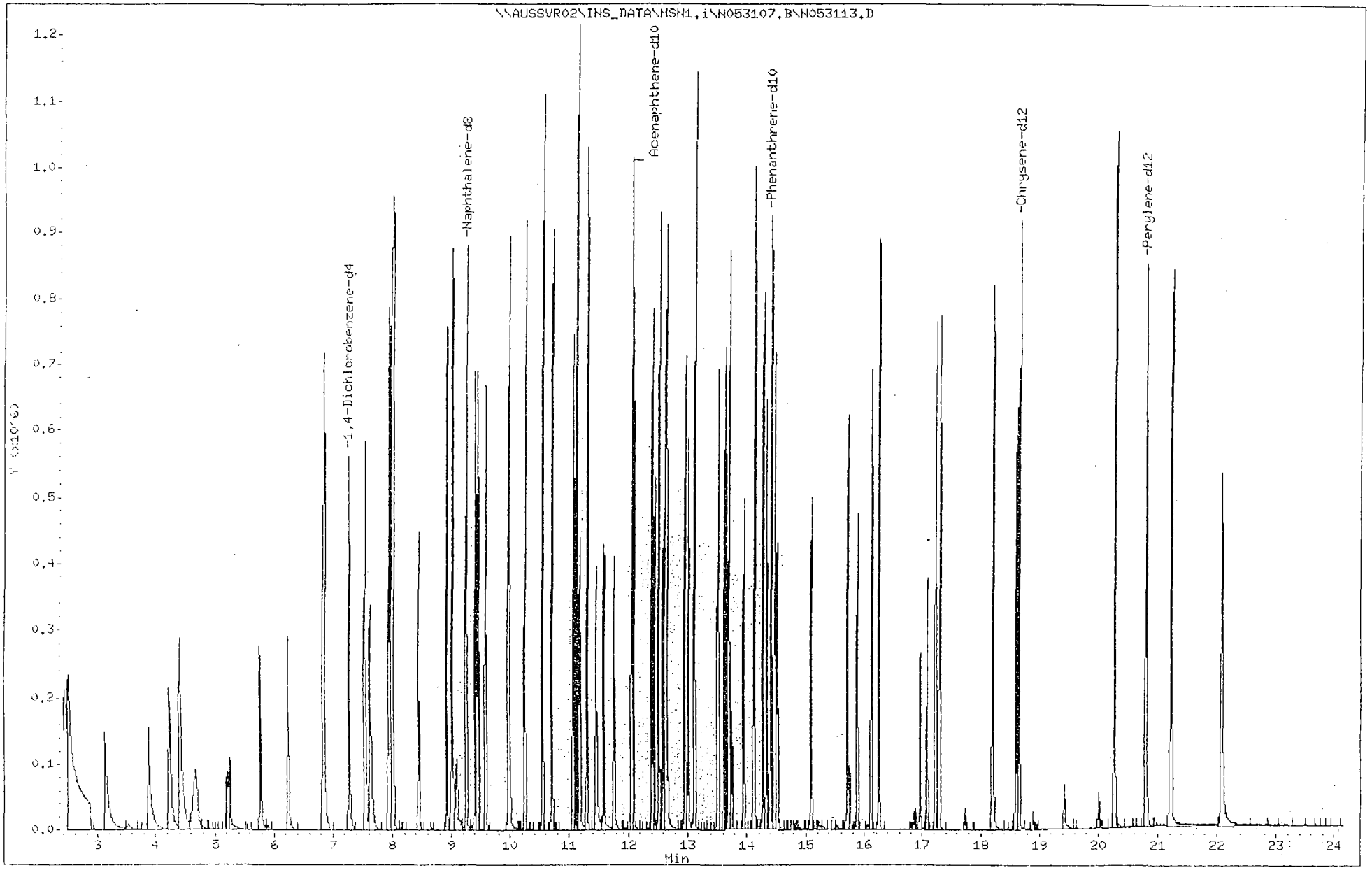
Sample Info: lcalib_3;APPIX_050;;1;3;3;;;; SNAP9IC300001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Lab Smp Id: Icalib_4 Client Smp ID: APPIX_075
Inj Date : 31-MAY-2007 18:19
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;APPIX_075;;1;4;3;;;; SMAP9IC400001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 17:49 Cal File: N053113.D
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	136160	40.0000		REV
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	519475	40.0000		REV
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	309738	40.0000		REV
* 93 Phenanthrene-d10	188	14.405	14.405	(1.000)	518974	40.0000		REV
* 114 Chrysene-d12	240	18.652	18.652	(1.000)	483194	40.0000		REV
* 122 Perylene-d12	264	20.799	20.799	(1.000)	428407	40.0000		REV
26 N-Nitrosomorpholine	56	7.985	7.985	(1.099)	203233	75.0000	76.736	REV
37 a,a-Dimethylphenethylamine	58	9.026	9.026	(0.976)	689971	75.0000	79.547	REV
71 1-Naphthylamine	143	12.517	12.517	(1.038)	642582	75.0000	76.326	REV
73 2-Naphthylamine	143	12.636	12.636	(1.048)	650747	75.0000	77.579	REV
89 4-Aminobiphenyl	169	14.130	14.130	(0.981)	777521	75.0000	79.686	REV
99 4-Nitroquinoline-1-oxide	190	15.754	15.754	(1.094)	25119	75.0000	69.646	REV
100 Methapyrilene	58	15.878	15.878	(1.102)	254722	75.0000	74.902	REV
129 2-Ethoxyethanol	59	2.487	2.487	(0.342)	169247	75.0000	73.778	REV
130 N,N-Dimethylformamide	73	3.868	3.868	(0.532)	235957	75.0000	76.736	REV
131 Propyl cellosolve	43	4.229	4.229	(0.582)	328150	75.0000	76.137	REV
132 Acrylamide	55	5.287	5.287	(0.728)	93522	75.0000	78.352	REV
136 o,o,o-Triethylphosphorothioat	198	8.924	8.924	(0.964)	167608	75.0000	75.111	REV
142 p-Phenylenediamine	108	9.981	9.981	(1.079)	331932	75.0000	74.004	REV
143 1-Methylnaphthalene	142	10.542	10.542	(1.139)	597849	75.0000	75.314	REV
146 Biphenyl	154	11.125	11.125	(0.923)	773762	75.0000	74.672	REV
149 Diphenyl ether	170	11.303	11.303	(0.937)	431164	75.0000	74.735	REV
150 1,4-Dinitrobenzene	168	11.578	11.578	(0.960)	105459	75.0000	81.240(Q)	REV
151 Dimethyl terephthalate	194	12.091	12.091	(1.003)	123571	75.0000	74.708	REV
153 2,3,5,6-Tetrachlorophenol	232	12.582	12.582	(1.043)	136704	75.0000	73.393	REV
154 Thionazin	97	12.959	12.959	(1.075)	142045	75.0000	76.755	REV
155 Sulfotepp	97	13.515	13.515	(0.938)	101334	75.0000	76.426	REV
156 Phorate	75	13.645	13.645	(0.947)	362372	75.0000	75.638	REV
157 Dimethoate	87	13.963	13.963	(0.969)	189049	75.0000	71.435	REV
158 Disulfoton	88	14.470	14.470	(1.004)	302292	75.0000	75.863	REV
159 Methyl parathion	109	15.085	15.085	(1.047)	169060	75.0000	75.130	REV
160 Parathion	109	15.711	15.711	(1.091)	129570	75.0000	78.135	REV
161 Aramite #1	185	16.963	16.963	(0.909)	46290	75.0000		REV

6-6-7
10-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.081	17.081	(0.916)	80656	75.0000		REV
163 Famphur	218	17.740	17.740	(0.951)	9712	75.0000	75.000	REV
164 4,4-Methylenebis(2-chloroa	266	18.608	18.608	(0.998)	90194	75.0000	75.144	REV
167 Dibenz(a,j)acridine	279	22.078	22.078	(1.061)	699182	75.0000	77.004	REV
173 1-Methyl-2-pyrrolidone	99	7.623	7.623	(1.049)	212951	75.0000	75.855	REV
M 177 Aramite (total)	185				126946	75.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D

Date : 31-MAY-2007 18:19

Client ID: APPIX_075

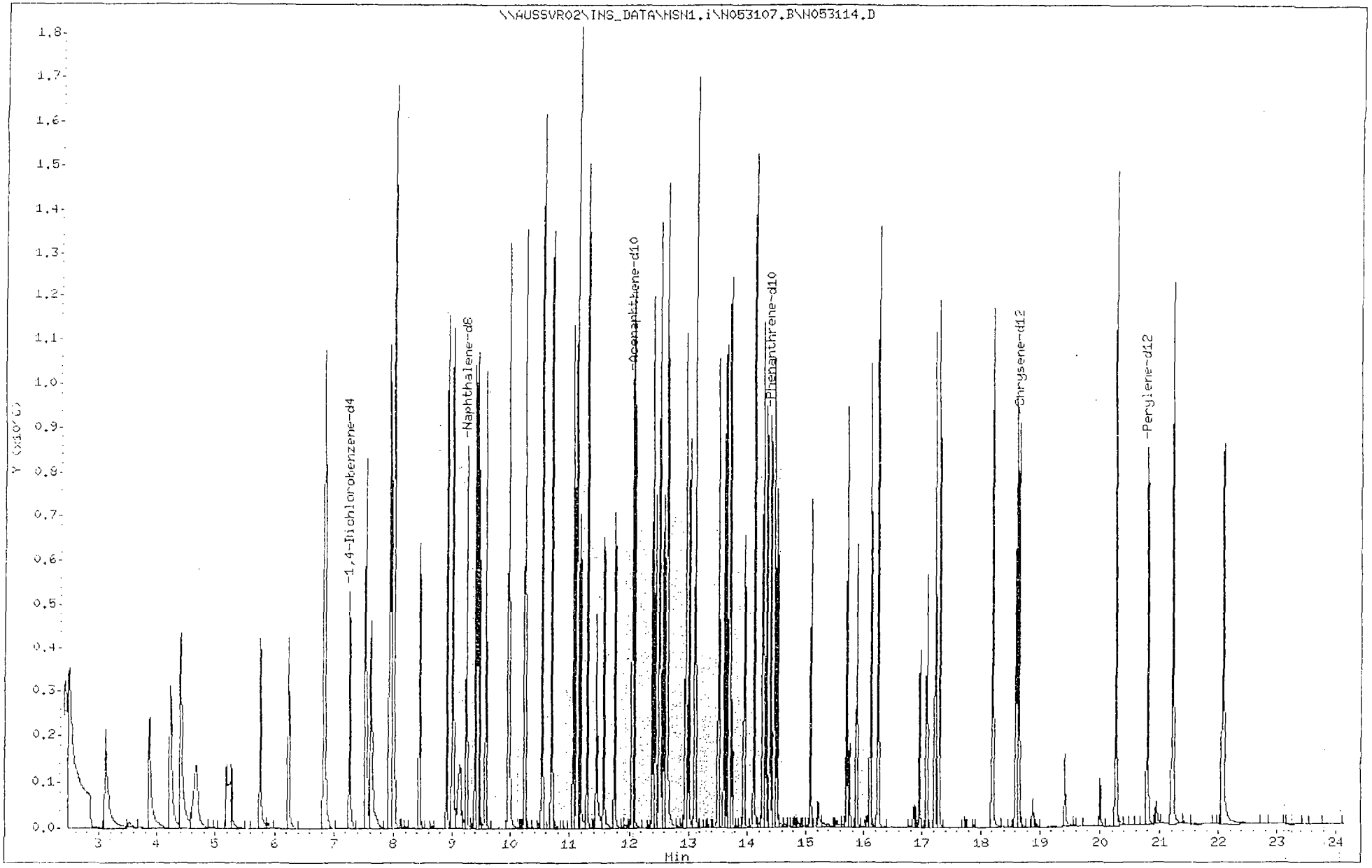
Sample Info: Icalib_4;APPIX_075;;1;4;3;;;; SMAP9IC400001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Lab Smp Id: Icalib_5 Client Smp ID: APPIX_100
Inj Date : 31-MAY-2007 18:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;APPIX_100;;1;5;3;;;; SMAP9IC500001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 18:19 Cal File: N053114.D
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	136713	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	521889	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.058	(1.000)	309721	40.0000		REV
* 93 Phenanthrene-d10	188	14.408	14.405	(1.000)	526566	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	482802	40.0000		REV
* 122 Perylene-d12	264	20.796	20.799	(1.000)	435113	40.0000		REV
26 N-Nitrosomorpholine	56	7.993	7.985	(1.100)	265918	100.000	99.999	REV
37 a,a-Dimethylphenethylamine	58	9.029	9.026	(0.976)	896356	100.000	102.86	REV
71 1-Naphthylamine	143	12.525	12.517	(1.039)	861433	100.000	102.33	REV
73 2-Naphthylamine	143	12.639	12.636	(1.048)	876090	100.000	104.45	REV
89 4-Aminobiphenyl	169	14.133	14.130	(0.981)	1027115	100.000	103.75	REV
99 4-Nitroquinoline-1-oxide	190	15.757	15.754	(1.094)	39451	100.000	98.834	REV
100 Methapyrilene	58	15.881	15.878	(1.102)	320200	100.000	101.68	REV
129 2-Ethoxyethanol	59	2.490	2.487	(0.343)	225584	100.000	97.939	REV
130 N,N-Dimethylformamide	73	3.866	3.868	(0.532)	312866	100.000	101.34	REV
131 Propyl cellosolve	43	4.232	4.229	(0.583)	431784	100.000	99.777	REV
132 Acrylamide	55	5.306	5.287	(0.730)	124356	100.000	103.76	REV
136 o,o,o-Triethylphosphorothioat	198	8.921	8.924	(0.964)	224215	100.000	100.01	REV
142 p-Phenylenediamine	108	9.984	9.981	(1.079)	438728	100.000	104.13	REV
143 1-Methylnaphthalene	142	10.545	10.542	(1.140)	794020	100.000	99.564	REV
146 Biphenyl	154	11.128	11.125	(0.923)	1017408	100.000	98.191	REV
149 Diphenyl ether	170	11.306	11.303	(0.938)	570687	100.000	98.924	REV
150 1,4-Dinitrobenzene	168	11.586	11.578	(0.961)	144702	100.000	109.20	REV
151 Dimethyl terephthalate	194	12.094	12.091	(1.003)	163182	100.000	98.661	REV
153 2,3,5,6-Tetrachlorophenol	232	12.585	12.582	(1.044)	189919	100.000	100.24	REV
154 Thionazin	97	12.968	12.959	(1.076)	182639	100.000	98.696	REV
155 Sulfotepp	97	13.523	13.515	(0.939)	134555	100.000	100.02	REV
156 Phorate	75	13.647	13.645	(0.947)	474908	100.000	97.698	REV
157 Dimethoate	87	13.966	13.963	(0.969)	233872	100.000	87.098	REV
158 Disulfoton	88	14.473	14.470	(1.004)	400674	100.000	99.103	REV
159 Methyl parathion	109	15.088	15.085	(1.047)	213879	100.000	93.677	REV
160 Parathion	109	15.714	15.711	(1.091)	167850	100.000	99.760	REV
161 Aramite #1	185	16.960	16.963	(0.909)	61062	100.000		REV

6-6-7

6-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.1\N053107.B\N053115.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.084	17.081	(0.916)	105628	100.000		REV
163 Famphur	218	17.737	17.740	(0.951)	8169	100.000	63.136	REV
164 4,4-Methylenebis(2-chloroa	266	18.611	18.608	(0.998)	121063	100.000	100.94	REV
167 Dibenz(a,j)acridine	279	22.081	22.078	(1.062)	914323	100.000	99.146	REV
173 1-Methyl-2-pyrrolidone	99	7.626	7.623	(1.050)	283873	100.000	100.71	REV
M 177 Aramite (total)	185				166690	100.000		

542

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D

Date : 31-MAY-2007 18:49

Client ID: APPIX_100

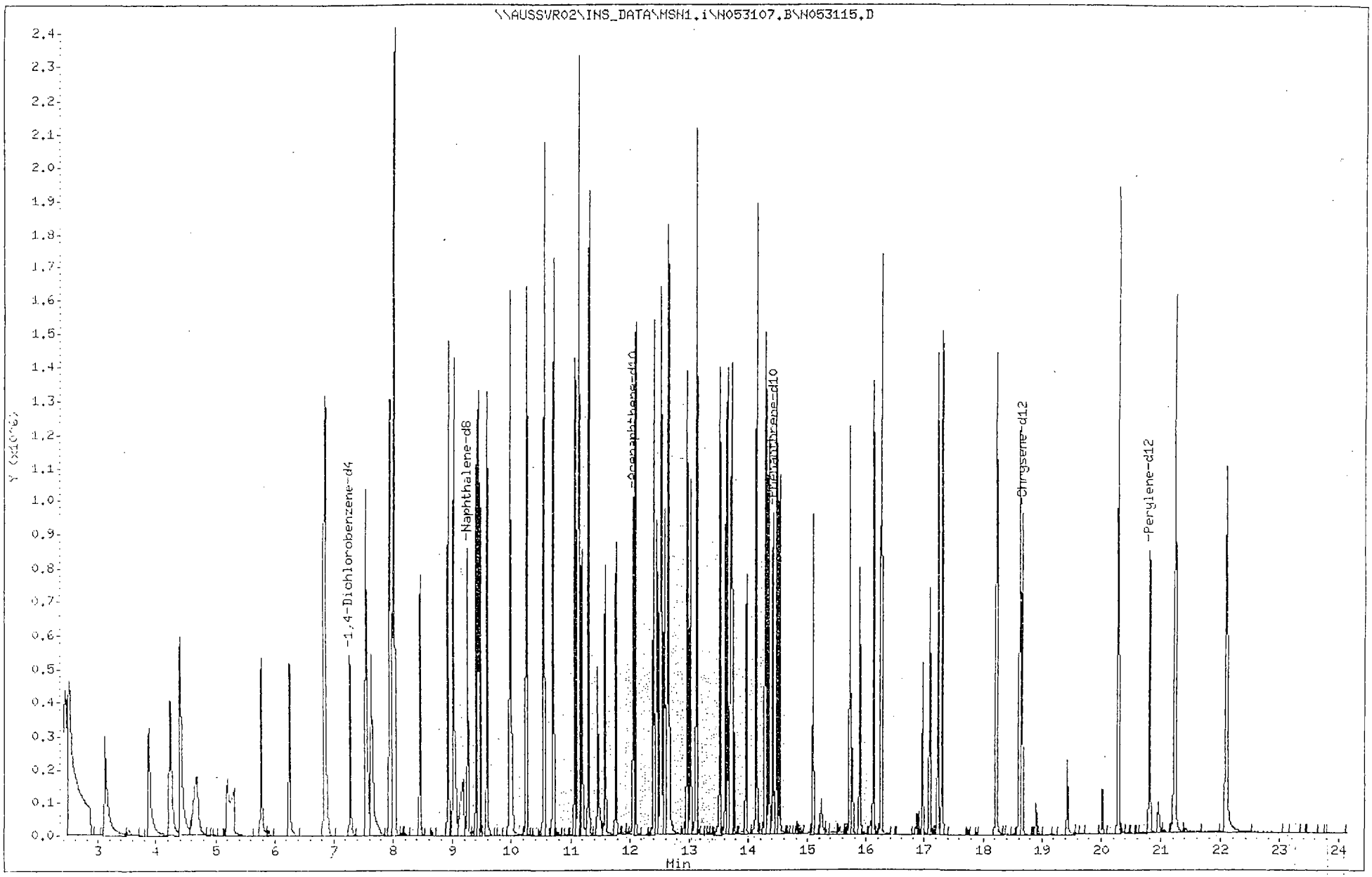
Sample Info: Icalib_5;APPIX_100;;1;5;3;;;; SMAP9IC500001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Lab Smp Id: Icalib_6 Client Smp ID: APPIX_120
Inj Date : 31-MAY-2007 19:19
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;APPIX_120;;1;6;3;;;; SMAP9IC600001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 18:49 Cal File: N053115.D
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	134578	40.0000		REV
* 40 Naphthalene-d8	136	9.255	9.253	(1.000)	519193	40.0000		REV
* 64 Acenaphthene-d10	164	12.061	12.058	(1.000)	305406	40.0000		REV
* 93 Phenanthrene-d10	188	14.414	14.405	(1.000)	525625	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	480480	40.0000		REV
* 122 Perylene-d12	264	20.802	20.799	(1.000)	429012	40.0000		REV
26 N-Nitrosomorpholine	56	7.998	7.985	(1.101)	312784	120.000	119.49	REV
37 a,a-Dimethylphenethylamine	58	9.045	9.026	(0.977)	1035218	120.000	119.42	REV
71 1-Naphthylamine	143	12.525	12.517	(1.038)	1016029	120.000	122.40	REV
73 2-Naphthylamine	143	12.644	12.636	(1.048)	1028324	120.000	124.33(A)	REV
89 4-Aminobiphenyl	169	14.138	14.130	(0.981)	1196663	120.000	121.09	REV
99 4-Nitroquinoline-1-oxide	190	15.762	15.754	(1.094)	50174	120.000	121.43	REV
100 Methapyrilene	58	15.881	15.878	(1.102)	355467	120.000	118.87	REV
129 2-Ethoxyethanol	59	2.490	2.487	(0.343)	266930	120.000	117.73	REV
130 N,N-Dimethylformamide	73	3.865	3.868	(0.532)	373146	120.000	122.78	REV
131 Propyl cellosolve	43	4.238	4.229	(0.583)	503550	120.000	118.21	REV
132 Acrylamide	55	5.322	5.287	(0.733)	147005	120.000	124.61	REV
136 o,o,o-Triethylphosphorothioat	198	8.926	8.924	(0.964)	264963	120.000	118.80	REV
142 p-Phenylenediamine	108	9.995	9.981	(1.080)	497778	120.000	123.88	REV
143 1-Methylnaphthalene	142	10.550	10.542	(1.140)	936775	120.000	118.07	REV
146 Biphenyl	154	11.128	11.125	(0.923)	1199960	120.000	117.44	REV
149 Diphenyl ether	170	11.306	11.303	(0.937)	671225	120.000	118.00	REV
150 1,4-Dinitrobenzene	168	11.586	11.578	(0.961)	173641	120.000	130.49	REV
151 Dimethyl terephthalate	194	12.093	12.091	(1.003)	193855	120.000	118.86	REV
153 2,3,5,6-Tetrachlorophenol	232	12.590	12.582	(1.044)	232153	120.000	123.19	REV
154 Thionazin	97	12.968	12.959	(1.075)	215451	120.000	118.07	
155 Sulfotepp	97	13.523	13.515	(0.938)	152358	120.000	113.45	
156 Phorate	75	13.647	13.645	(0.947)	560884	120.000	115.59	
157 Dimethoate	87	13.971	13.963	(0.969)	262365	120.000	97.884	
158 Disulfoton	88	14.473	14.470	(1.004)	465718	120.000	115.40	
159 Methyl parathion	109	15.088	15.085	(1.047)	242365	120.000	106.34	
160 Parathion	109	15.719	15.711	(1.091)	197351	120.000	117.50	
161 Aramite #1	185	16.960	16.963	(0.909)	72383	120.000		

4.67 JG 11-4-6

Data File: \\AUSSVR02\INS_DATA\MSN1.1\N053107.B\N053116.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.090	17.081	(0.916)	123152	120.000		
163 Famphur	218	17.737	17.740	(0.951)	7379	120.000	57.306	
164 4,4-Methylenebis(2-chloroa	266	18.617	18.608	(0.998)	139886	120.000	117.20	
167 Dibenz(a,j)acridine	279	22.086	22.078	(1.062)	1081889	120.000	118.98	
173 1-Methyl-2-pyrrolidone	99	7.631	7.623	(1.050)	336094	120.000	121.13	
M 177 Aramite (total)	185				195535	120.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D

Date : 31-MAY-2007 19:19

Client ID: APPIX_120

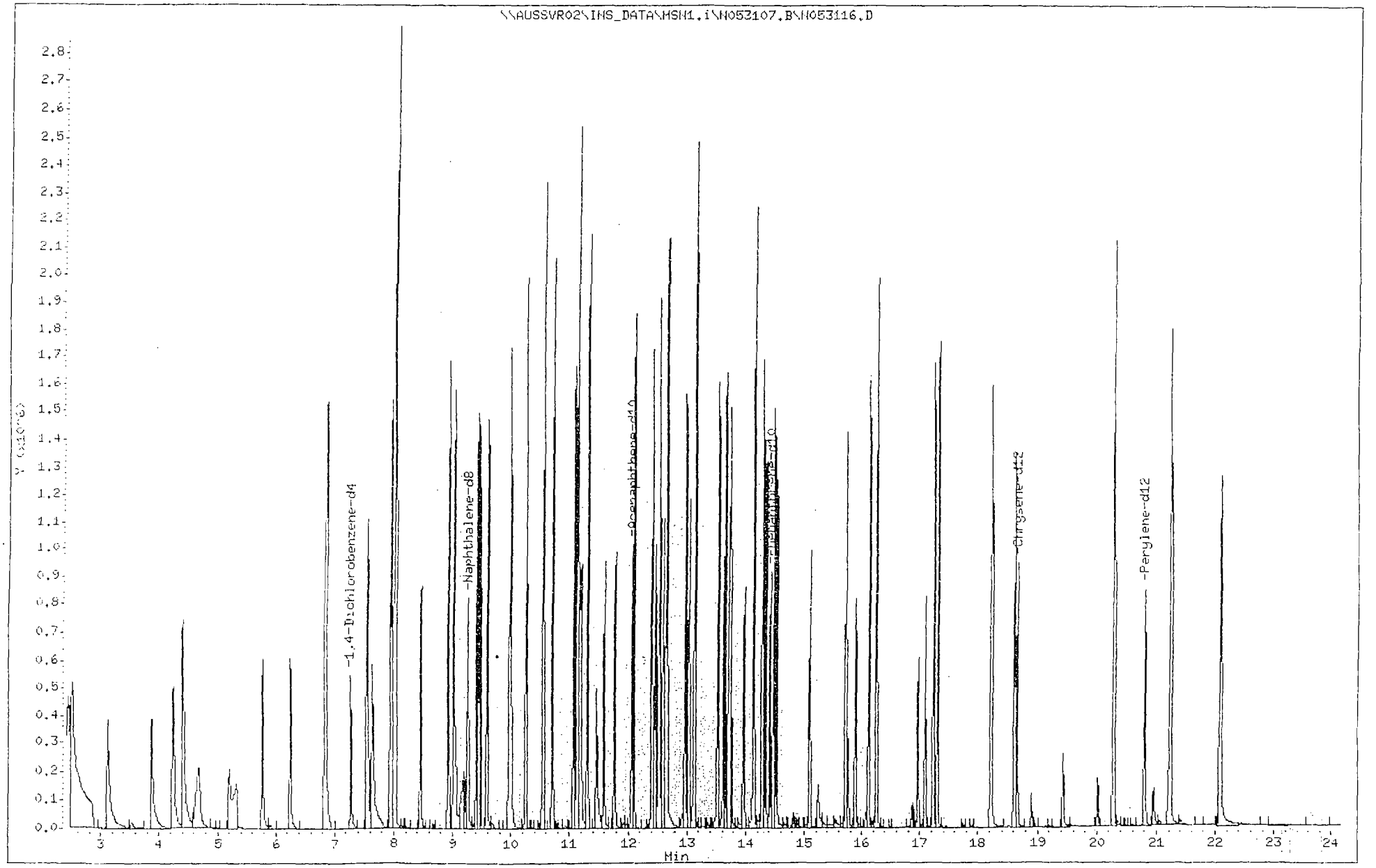
Sample Info: Icalib_6;APPIX_120;;1;6;3;;;; SMAP9IC600001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D
Lab Smp Id: Icalib_7 Client Smp ID: APPIX_150
Inj Date : 31-MAY-2007 19:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;APPIX_150;;1;7;3;;;; SMAP9IC700001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 19:19 Cal File: N053116.D
Als bottle: 17 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	137431	40.0000		REV
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	527179	40.0000		REV
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	318742	40.0000		REV
* 93 Phenanthrene-d10	188	14.416	14.405	(1.000)	536568	40.0000		REV
* 114 Chrysene-d12	240	18.657	18.652	(1.000)	490891	40.0000		REV
* 122 Perylene-d12	264	20.799	20.799	(1.000)	436115	40.0000		REV
26 N-Nitrosomorpholine	56	8.006	7.985	(1.102)	338771	150.000	126.73	
37 a,a-Dimethylphenethylamine	58	9.048	9.026	(0.978)	1045207	150.000	118.74	REV
71 1-Naphthylamine	143	12.528	12.517	(1.039)	1284302	150.000	148.24	REV
73 2-Naphthylamine	143	12.647	12.636	(1.049)	1249510	150.000	144.75(A)	REV
89 4-Aminobiphenyl	169	14.141	14.130	(0.981)	1451381	150.000	143.87	REV
99 4-Nitroquinoline-1-oxide	190	15.765	15.754	(1.094)	66584	150.000	152.95(A)	REV
100 Methapyrilene	58	15.884	15.878	(1.102)	400176	150.000	137.64(A)	REV
129 2-Ethoxyethanol	59	2.498	2.487	(0.344)	334733	150.000	144.57	REV
130 N,N-Dimethylformamide	73	3.863	3.868	(0.532)	469593	150.000	151.30(A)	REV
131 Propyl cellosolve	43	4.240	4.229	(0.584)	630898	150.000	145.03	REV
132 Acrylamide	55	5.341	5.287	(0.735)	184101	150.000	152.81(A)	REV
136 o,o,o-Triethylphosphorothioat	198	8.929	8.924	(0.965)	333571	150.000	147.30	REV
142 p-Phenylenediamine	108	10.003	9.981	(1.081)	568140	150.000	145.33	REV
143 1-Methylnaphthalene	142	10.553	10.542	(1.141)	1166144	150.000	144.76	REV
146 Biphenyl	154	11.136	11.125	(0.923)	1501670	150.000	140.82	REV
149 Diphenyl ether	170	11.308	11.303	(0.938)	842603	150.000	141.92	REV
150 1,4-Dinitrobenzene	168	11.589	11.578	(0.961)	222658	150.000	158.03(A)	REV
151 Dimethyl terephthalate	194	12.096	12.091	(1.003)	245067	150.000	143.98	REV
153 2,3,5,6-Tetrachlorophenol	232	12.593	12.582	(1.044)	301322	150.000	152.12(A)	REV
154 Thionazin	97	12.976	12.959	(1.076)	268083	150.000	140.77	REV
155 Sulfotepp	97	13.526	13.515	(0.938)	189329	150.000	138.11	REV
156 Phorate	75	13.650	13.645	(0.947)	703399	150.000	142.00	REV
157 Dimethoate	87	13.979	13.963	(0.970)	305275	150.000	111.57	REV
158 Disulfoton	88	14.476	14.470	(1.004)	576406	150.000	139.91	REV
159 Methyl parathion	109	15.091	15.085	(1.047)	286398	150.000	123.96	REV
160 Parathion	109	15.722	15.711	(1.091)	242251	150.000	141.30	REV
161 Aramite #1	185	16.963	16.963	(0.909)	88941	150.000		REV

6-6-7
JG

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.092	17.081	(0.916)	151676	150.000		REV
163 Famphur	218	17.740	17.740	(0.951)	7803	150.000	59.313	REV
164 4,4-Methylenebis(2-chloroa	266	18.619	18.608	(0.998)	176984	150.000	145.14	REV
167 Dibenz(a,j)acridine	279	22.094	22.078	(1.062)	1345892	150.000	145.61	REV
173 1-Methyl-2-pyrrolidone	99	7.634	7.623	(1.050)	422843	150.000	149.23	REV
M 177 Aramite (total)	185				240617	150.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

Date : 31-MAY-2007 19:49

Client ID: APPIX_150

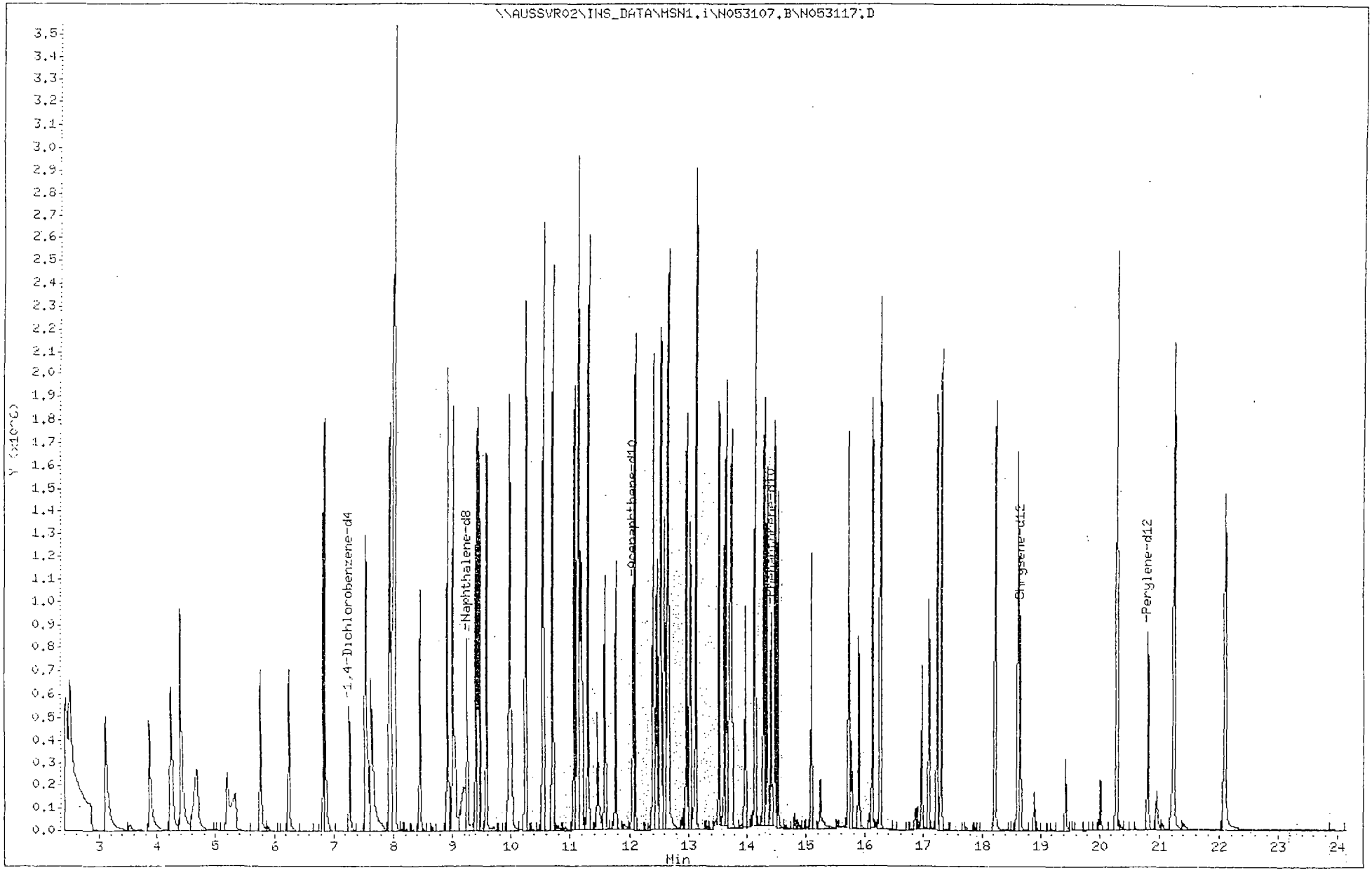
Sample Info: Icalib_7;APPIX_150;;1;7;3;;;; SMAP9IC700001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 12-JUN-2007 11:54
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Last Edit : 13-Jun-2007 10:37 malloym
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Level 2: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Level 3: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Level 4: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Level 5: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Level 6: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Level 7: \\aussvr02\ins_data\MSN1.i\N053107.B\N053117.D

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7							
174 Caprolactam	0.11016 +++++	0.10862	0.10406	0.11866	0.11196	0.10658	0.11001	4.596

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7F050254	I7F050316
I7F050121	I7F060169
I7F010127	I7F050295
I7F040219	CAPROLACTUM CUVE
I7F050291	

Method Name/Type: M8270c/625

Instrument ID: MSN1

Analysis Date: 6/12/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration (CAPROLACTUM) ✓				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

Batch 7157509 MS/MSD had several BN analytes recovered low or not detected. LCS OK.
I7F050291-01 – Since D-NB high due to matrix interference

Analyst: Mark Malloy — Date: 06/14/07

2nd Review: [signature] — Date: 6/18/07

RJD

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 6-12-7
SHIFT (Circle): (1) 2 3 METHOD / TEST: M 82.70C
COMPUTER CLOCK DATE / TIME: SOP #: 405 MS 0001

DAILY CHECK —	INSERT CHANGED cleaned	SEPTA CHANGED ✓	COLUMN CHANGED ✓	AUTOSAMPLER MAINT.
M. PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed Source cleaned as needed Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.V
Elect Mult. 1471 volts
Tuning Performance (circle one): (DFTPP) Autotune Other

Sampling Rate 2^ 1
Scan Range 35-500 amu
Interface (circle one): (Direct) Jet Separator Other

GC PROGRAM:

GC Meth. N053107M
Inj. Temp. 270 C
Carrier Gas: Helium
Flow/Pressure 3-4 psi 15

Initial Temp. 50 C
Init.Hold 2.75 min
Ramp 15 C/min
Final Temp. 220 C

Final Hold 3.46 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MS10H262 (Circle one) Packed (Capillary)
Phases/Loadings: RTX MS 5
i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split (Splitless) valve

INSTRUMENT SEQUENCE:

Sample Name, Sample N

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	N061219	N053107M	~~J0DTN1AP;I7F060169-02;1;0;;1;~~
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	26	N061226	N053107M	~~JX35Q1AC;I7F010127-04;10;0;;2~~
27	Sample	27	N061227	N053107M	~~J0QDM1AC;I7F110202-02;10;0;;2~~
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;
		33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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 TUNE	1	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1; CMB 6/26/07
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	~~N061219~~	~~N053107M~~	~~J0DTN1AP;I7F060169-02;1;0;;1;~~ Not used
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2 ✓
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	~~26~~	~~N061226~~	~~N053107M~~	~~JX35Q1AC;I7F010127-04;10;0;;2~~ Not used
27	Sample	~~27~~	~~N061227~~	~~N053107M~~	~~J0QDM1AC;I7F110202-02;10;0;;2~~ " " CMB 6/26/07
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1; ✓
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;
35	Sample	35	N061235	N053107M	J0CJP1AA;I7F050316-01;1;0;;1;

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

8270C data

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N061202	06/12/07	0804
02	APPIX_075	CCALIB_4	N061203	06/12/07	0856
03	CAP_010	ICALIB_1	N061204	06/12/07	0930
04	CAP_020	ICALIB_2	N061205	06/12/07	0959
05	CAP_050	ICALIB_3	N061206	06/12/07	1028
06	CAP_075	ICALIB_4	N061207	06/12/07	1057
07	CAP_100	ICALIB_5	N061208	06/12/07	1126
08	CAP_120	ICALIB_6	N061209	06/12/07	1154
09	CAP_050	SSV_2	N061210	06/12/07	1223
10	I7F060000-50	J0FF11AAB	N061211	06/12/07	1252
11	I7F060000-50	J0FF11ACC	N061212	06/12/07	1321
12	OMW27B	J0A4E1AC	N061213	06/12/07	1350
13	I7F050254-01	J0A4E1A3S	N061214	06/12/07	1420
14	I7F050254-01	J0A4E1A4D	N061215	06/12/07	1449
15	OUTFALL 003	JX9N71AA	N061216	06/12/07	1518
16	I7F050254-03	J0A5A1AC	N061217	06/12/07	1546
17	MW28A	J0DTG1AC	N061218	06/12/07	1615
18	MW29	J0DTN1AF	N061219	06/12/07	1644
19	I7F110000-41	J0P9R1AAB	N061220	06/12/07	1713
20	I7F110000-41	J0P9R1ACC	N061221	06/12/07	1742
21	I7F110000-41	J0P9R1ADL	N061222	06/12/07	1811
22	OP1 USED OIL	JX3451AC	N061223	06/12/07	1840

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D Page 1
Report Date: 13-Jun-2007 07:36

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 12-JUN-2007 07:45
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.496	7.803	-0.307	198	280192			0.00- 100.00	100.00
7.496	8.311	-0.815	51	98840			30.00- 60.00	35.28
7.496	8.311	-0.815	68	0	0.0	0.0	0.00- 2.00	0.00
7.496	8.311	-0.815	69	107600			0.00- 0.00	38.40
7.496	8.311	-0.815	70	125			0.00- 2.00	0.12
7.496	8.311	-0.815	127	136768			40.00- 60.00	48.81
7.496	8.311	-0.815	197	0	0.0	0.0	0.00- 1.00	0.00
7.496	8.311	-0.815	199	18792			5.00- 9.00	6.71
7.496	8.311	-0.815	275	78944			10.00- 30.00	28.17
7.496	8.311	-0.815	365	8537			1.00- 0.00	3.05
7.496	8.311	-0.815	441	36488			0.01- 99.99	73.33
7.496	8.311	-0.815	442	255744			40.00- 0.00	91.27
7.496	8.311	-0.815	443	49760			17.00- 23.00	19.46

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

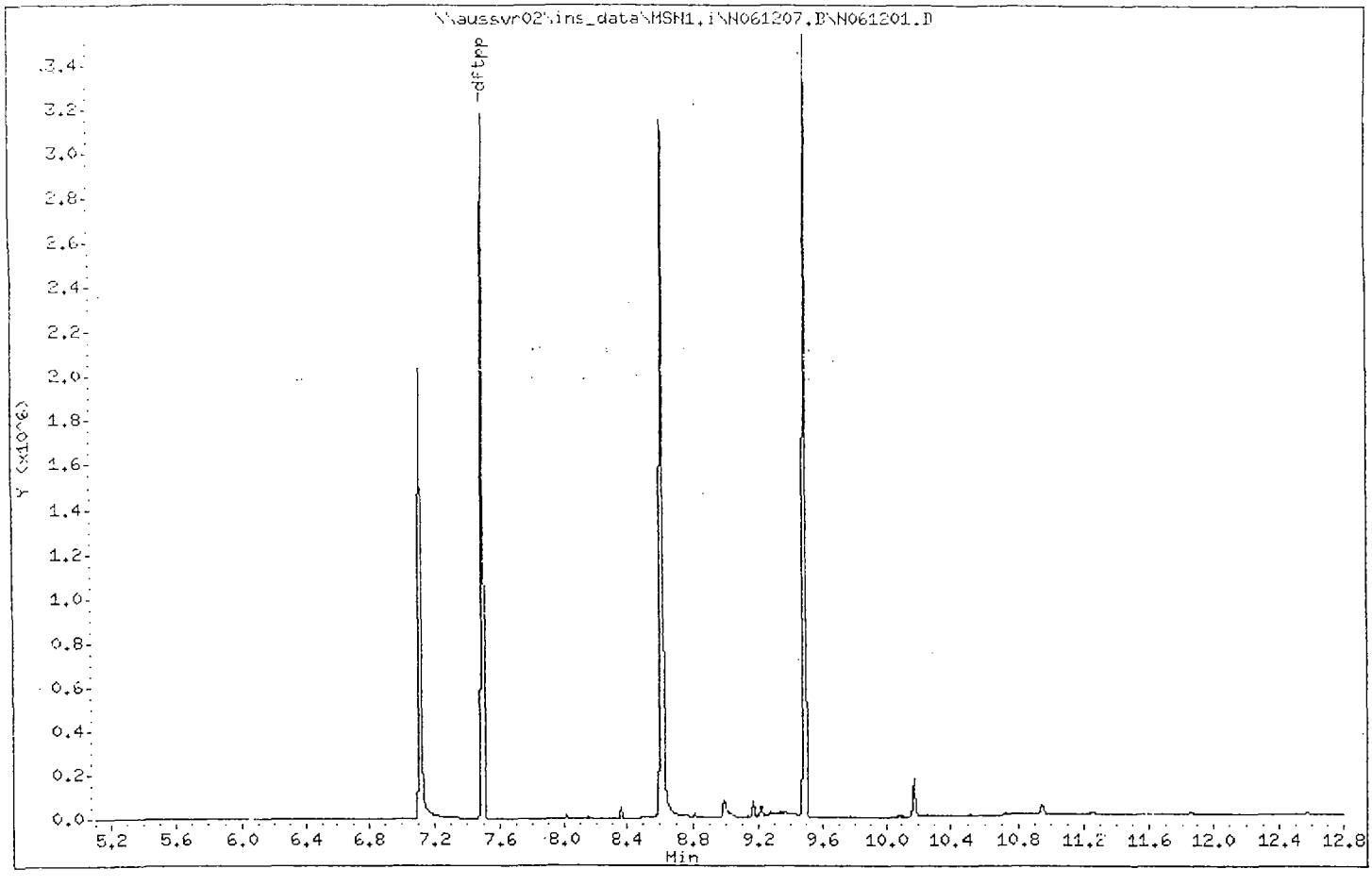
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

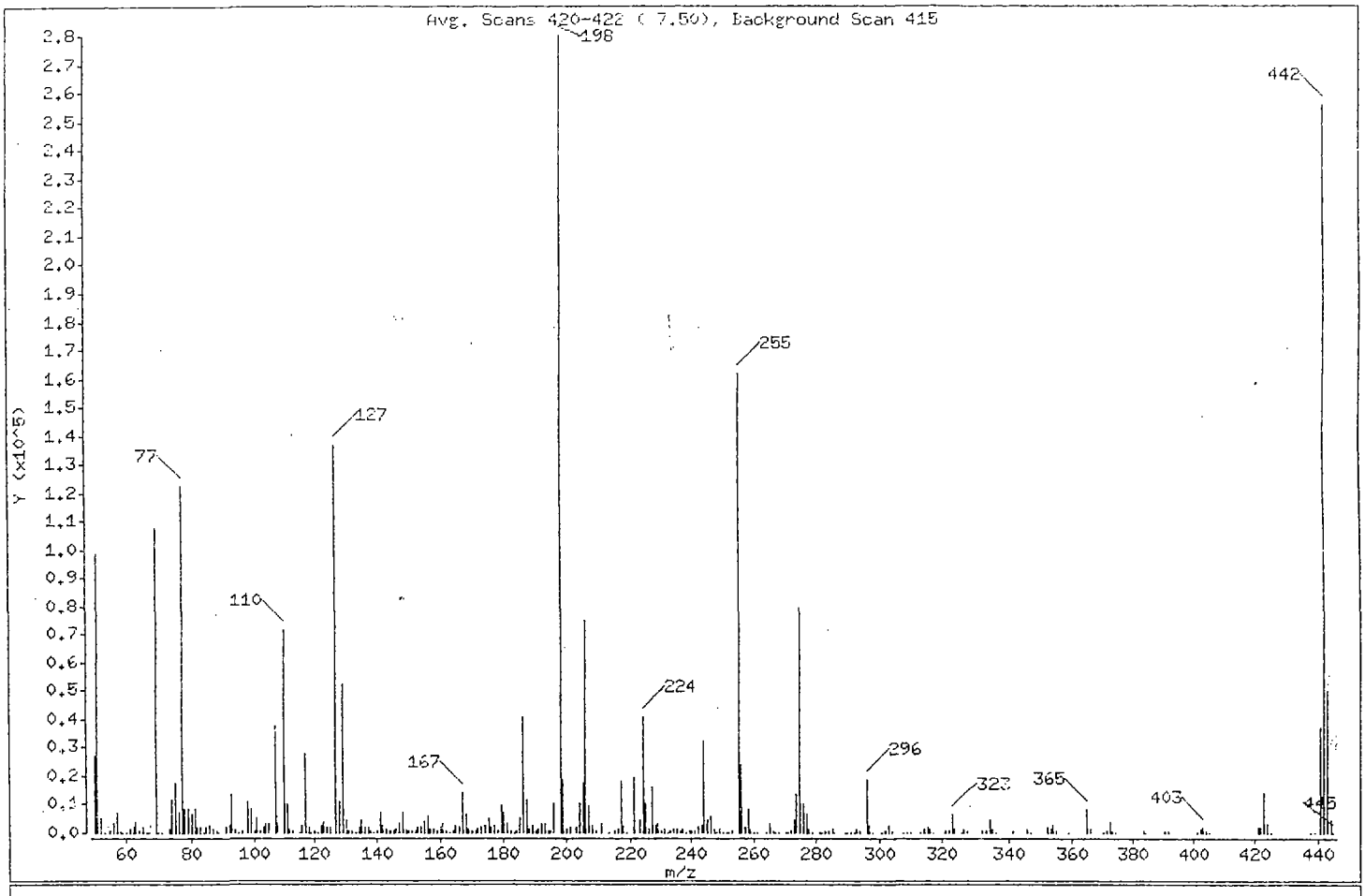
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.40
70	Less than 2.00% of mass 69	0.04 (0.12)
127	40.00 - 60.00% of mass 198	48.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	28.17
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	13.02
442	Greater than 40.00% of mass 198	91.27
443	17.00 - 23.00% of mass 442	17.76 (19.46)

6-14-7

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50%), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27000	131.00	857	205.00	17144	289.00	255
51.00	98840	132.00	561	206.00	74728	290.00	212
52.00	5110	133.00	321	207.00	9730	291.00	122
53.00	283	134.00	1611	208.00	2469	292.00	293
55.00	636	135.00	4335	209.00	755	293.00	1400
56.00	3063	136.00	1742	211.00	2993	294.00	366
57.00	6916	137.00	2101	213.00	246	296.00	18688
58.00	324	138.00	484	215.00	834	297.00	2655
59.00	56	139.00	317	216.00	1535	298.00	198
60.00	177	140.00	731	217.00	17800	301.00	254
61.00	1386	141.00	6985	218.00	2422	302.00	372
62.00	1613	142.00	2320	219.00	257	303.00	2312
63.00	4173	143.00	1502	221.00	19608	304.00	709
64.00	621	144.00	419	223.00	4338	308.00	304
65.00	2172	145.00	384	224.00	40608	309.00	213
66.00	166	146.00	1293	225.00	10479	310.00	283
67.00	59	147.00	3514	226.00	1205	313.00	150
69.00	107600	148.00	7217	227.00	16243	314.00	1010
70.00	125	149.00	1538	228.00	2481	315.00	2153
71.00	109	150.00	430	229.00	3474	316.00	1268
73.00	1089	151.00	934	230.00	562	317.00	205
74.00	11546	152.00	678	231.00	1468	321.00	631
75.00	17600	153.00	2160	232.00	319	322.00	340
76.00	7146	154.00	1631	233.00	340	323.00	6684
77.00	122112	155.00	3792	234.00	1061	324.00	1221
78.00	8514	156.00	5722	235.00	1252	326.00	51
79.00	8551	157.00	1297	236.00	806	327.00	1167
80.00	6323	158.00	1222	237.00	1250	328.00	623
81.00	8678	159.00	947	238.00	216	332.00	461
82.00	2207	160.00	2125	239.00	704	333.00	705
83.00	2061	161.00	3130	240.00	528	334.00	4213
84.00	204	162.00	919	241.00	916	335.00	1154
85.00	1611	163.00	220	242.00	2027	336.00	63
86.00	2498	164.00	427	243.00	2291	341.00	768
87.00	1244	165.00	2486	244.00	32512	342.00	215

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SNTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	465	166.00	2149	245.00	4273	346.00	1385
89.00	173	167.00	13965	246.00	6019	347.00	267
91.00	2098	168.00	6121	247.00	1279	352.00	2038
92.00	2372	169.00	1168	248.00	301	353.00	1406
93.00	13498	170.00	502	249.00	1193	354.00	2338
94.00	1005	171.00	640	250.00	238	355.00	479
95.00	162	172.00	1221	251.00	289	359.00	118
96.00	684	173.00	1630	252.00	320	365.00	8537
98.00	10785	174.00	2875	253.00	738	366.00	1260
99.00	8100	175.00	5291	255.00	161984	370.00	135
100.00	840	176.00	1853	256.00	23752	371.00	511
101.00	4910	177.00	2732	257.00	1878	372.00	3599
102.00	364	178.00	881	258.00	8568	373.00	872
103.00	1920	179.00	9570	259.00	1476	374.00	71
104.00	3327	180.00	6774	260.00	258	383.00	944
105.00	3049	181.00	3194	261.00	299	384.00	269
107.00	37320	182.00	548	264.00	270	390.00	475
108.00	6042	183.00	317	265.00	3532	391.00	355
110.00	71520	184.00	871	266.00	462	392.00	275
111.00	10617	185.00	5084	267.00	117	401.00	209
112.00	1279	186.00	40584	268.00	8	402.00	1378
113.00	438	187.00	11347	270.00	272	403.00	1950
115.00	165	188.00	1172	271.00	317	404.00	734
116.00	2462	189.00	2437	272.00	500	405.00	59
117.00	27824	190.00	431	273.00	4815	421.00	1865
118.00	2147	191.00	1100	274.00	13696	422.00	1699
119.00	286	192.00	3151	275.00	78944	423.00	14426
120.00	526	193.00	3516	276.00	10421	424.00	2916
121.00	217	194.00	752	277.00	6327	425.00	291
122.00	2847	195.00	582	278.00	990	438.00	83
123.00	4034	196.00	10168	279.00	225	439.00	238
124.00	1788	198.00	280192	281.00	59	441.00	36488
125.00	1692	199.00	18792	282.00	66	442.00	255744
127.00	136768	200.00	1540	283.00	693	443.00	49760
128.00	10715	201.00	1739	284.00	499	444.00	4608

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

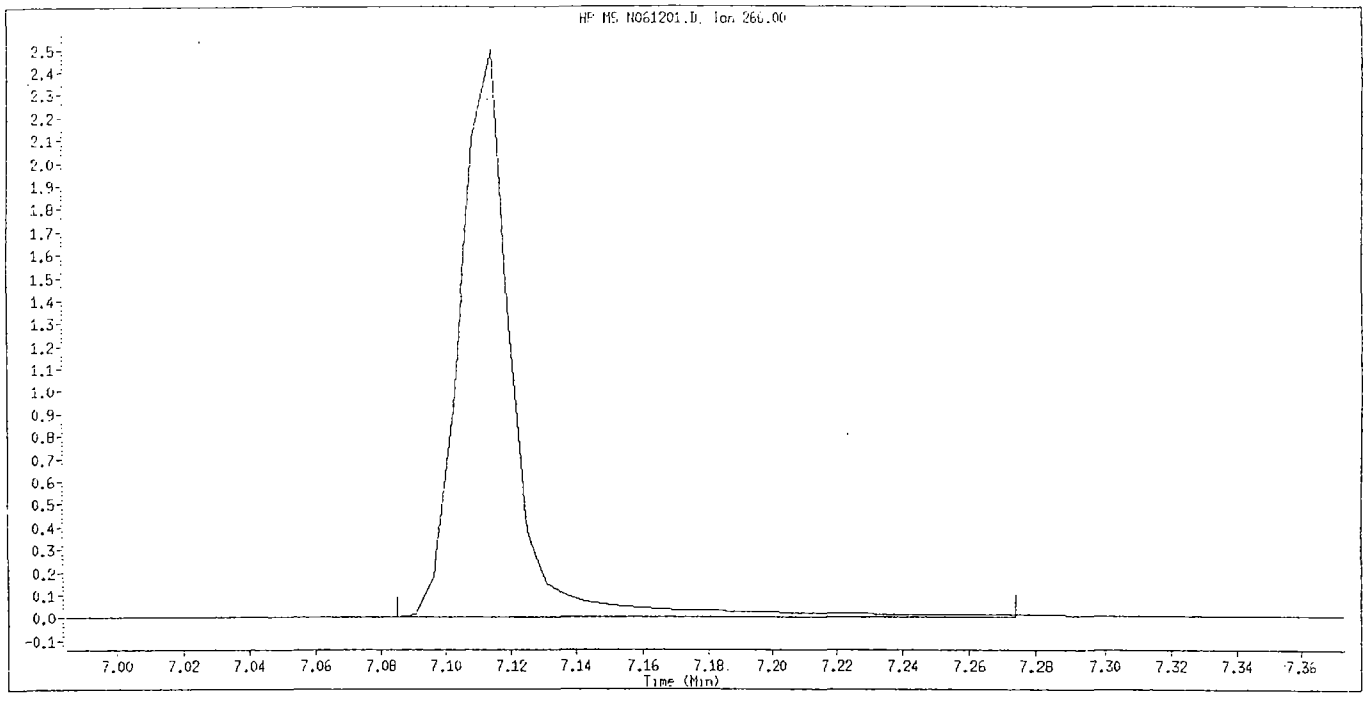
Location of Maximum: 198.00

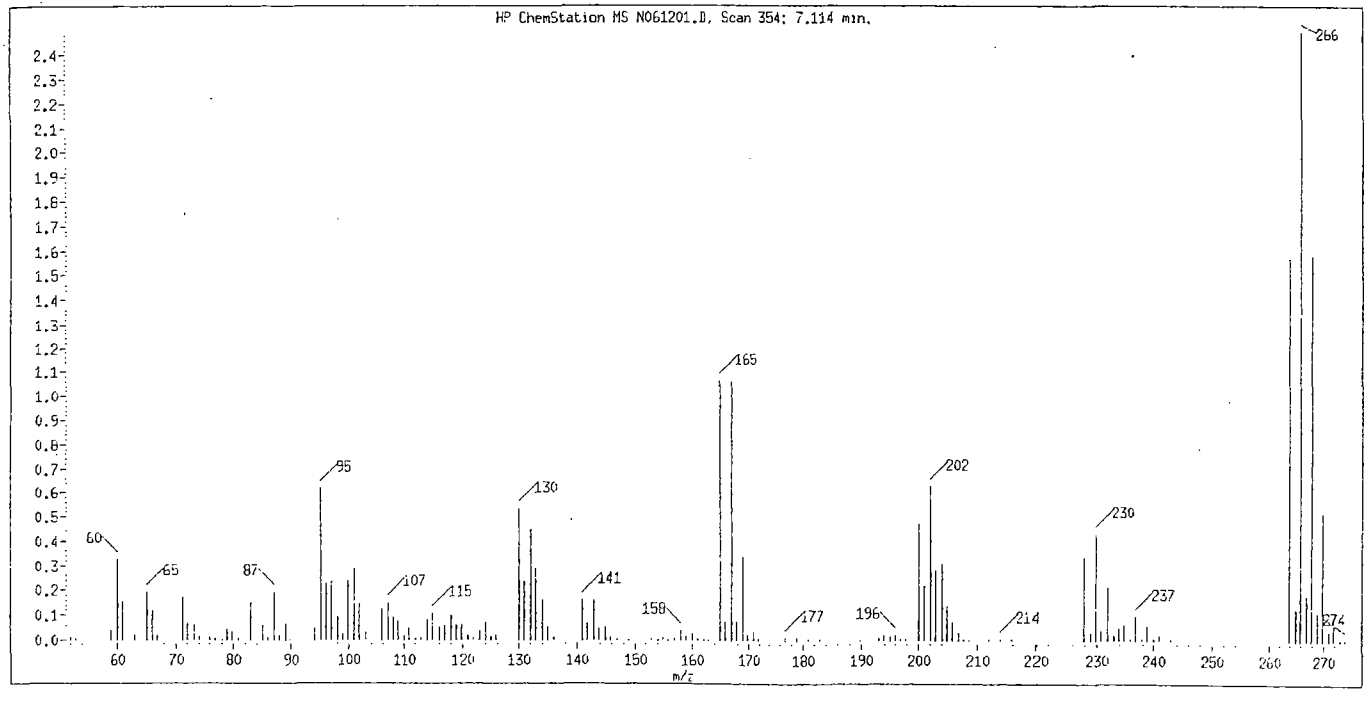
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	52144	203.00	1988	285.00	1055	445.00	273
130.00	4571	204.00	10067	286.00	239		

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

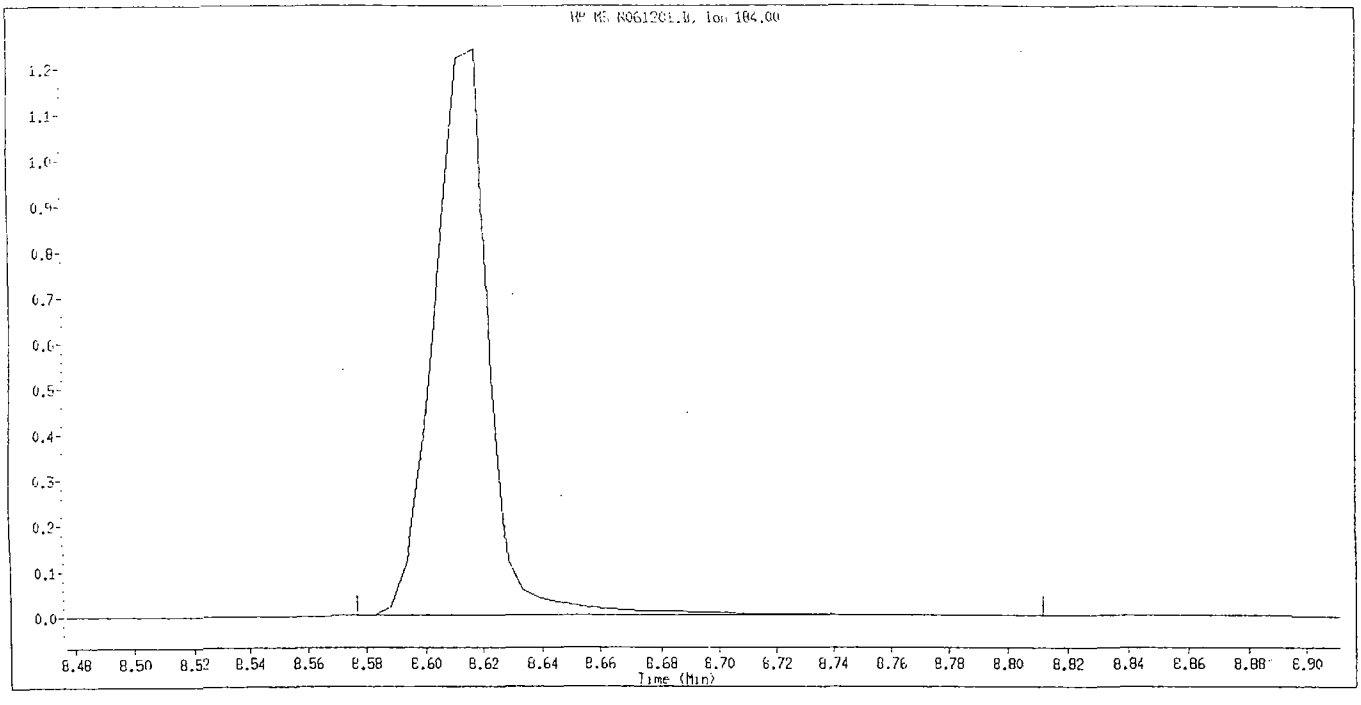


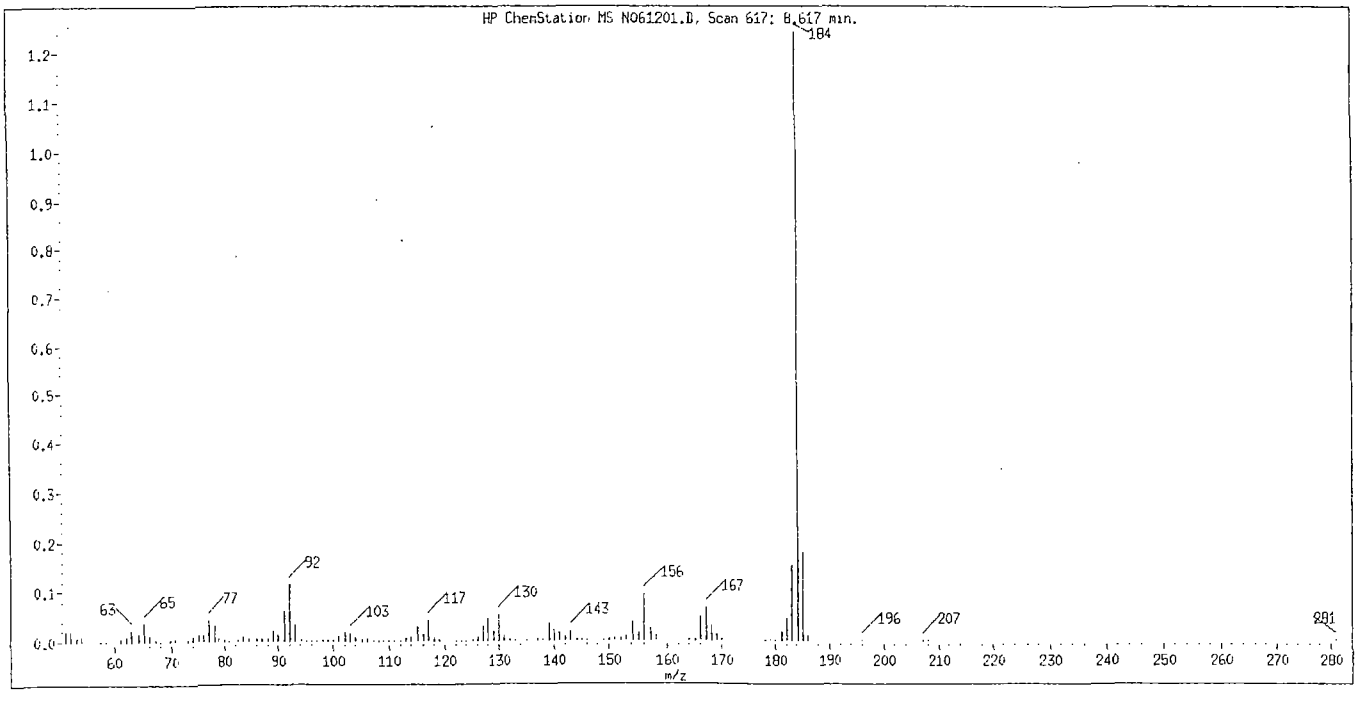


Tailing Factor = 0.888 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.097252 T2 = 7.113817 T3 = 7.128522

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

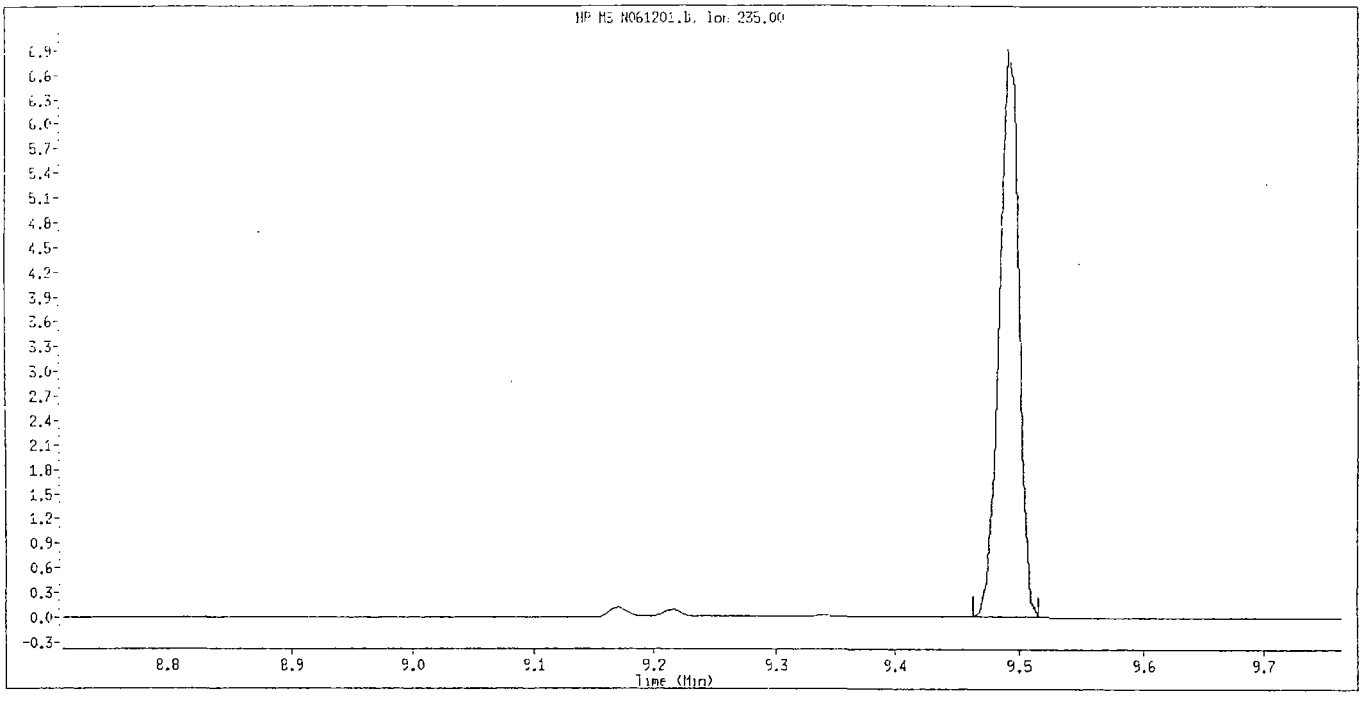




Tailing Factor = 0.5 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.594207 T2 = 8.616983 T3 = 8.628383

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 06/13/2007

DEGRADATION REPORT



Degradation = 2.76% Good
Acceptance Criteria 0 - 20 %
DDT Area = 758765
DDE Area = 12789
DDD Area = 8765

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D Page 1
Report Date: 13-Jun-2007 10:39

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Lab Smp Id: Icalib_1 Client Smp ID: CAP_010
Inj Date : 12-JUN-2007 09:30
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;CAP_010;;1;1;3;;;; SMCAPIC100001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.161	7.159	(1.000)	116604	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	452450	40.0000		REV
* 64 Acenaphthene-d10	164	11.952	11.956	(1.000)	254626	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	435521	40.0000		REV
* 114 Chrysene-d12	240	18.540	18.544	(1.000)	426017	40.0000		REV
* 122 Perylene-d12	264	20.682	20.691	(1.000)	408450	40.0000		REV
174 Caprolactam	113	9.820	9.850	(1.074)	12460	10.0000	10.014	REV

6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D

Date : 12-JUN-2007 09:30

Client ID: CAP_010

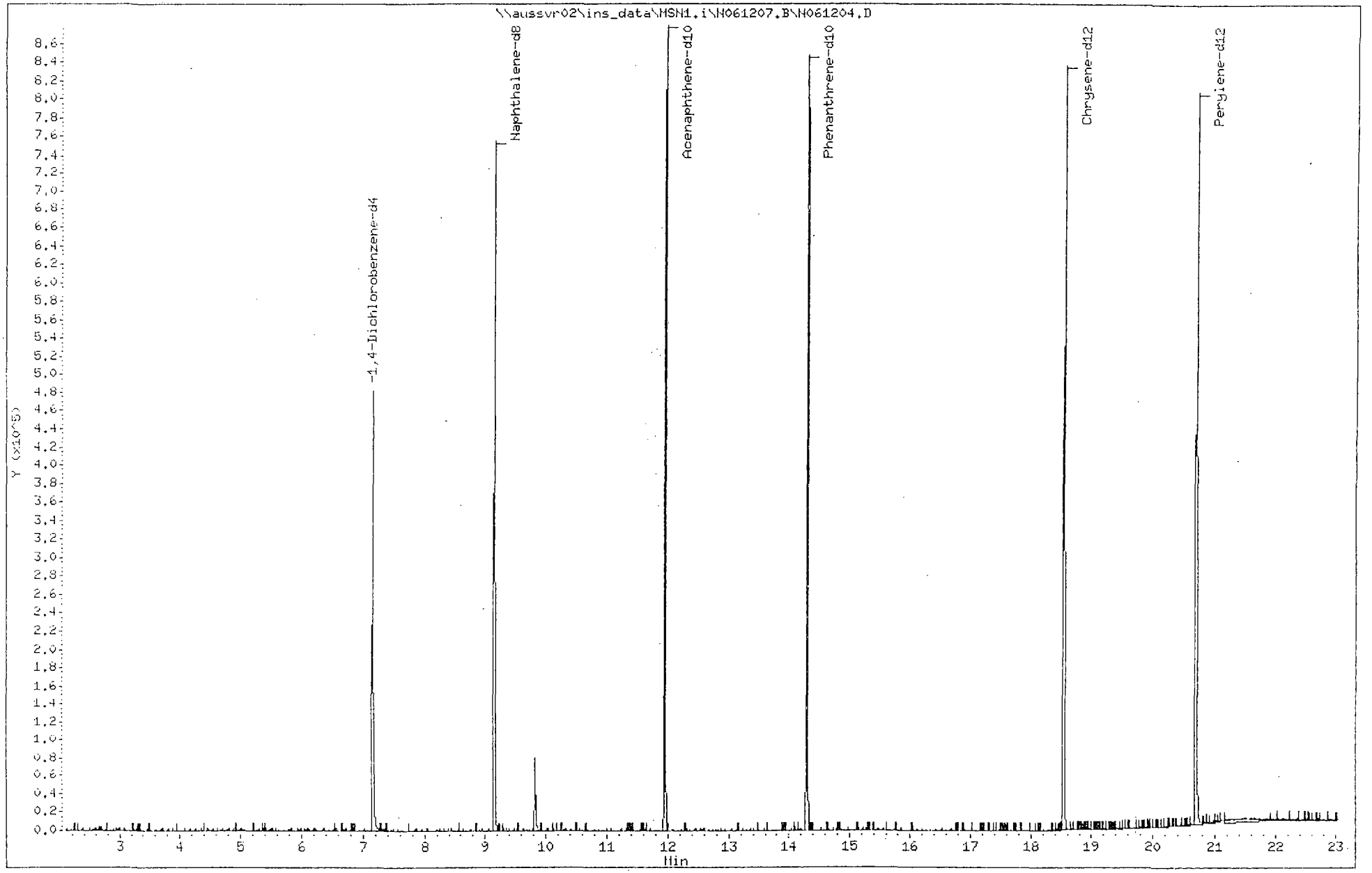
Sample Info: Icalib_1:CAP_010;;1;1;3;;;; SMCAPIC100001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D Page 1
Report Date: 13-Jun-2007 10:39

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Lab Smp Id: Icalib_2 Client Smp ID: CAP_020
Inj Date : 12-JUN-2007 09:59
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;CAP_020;;1;2;3;;;; SMCAPIC200001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.161	7.159	(1.000)	117088	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	453684	40.0000		REV
* 64 Acenaphthene-d10	164	11.952	11.956	(1.000)	257701	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	448168	40.0000		REV
* 114 Chrysene-d12	240	18.540	18.544	(1.000)	439684	40.0000		REV
* 122 Perylene-d12	264	20.682	20.691	(1.000)	412835	40.0000		REV
174 Caprolactam	113	9.821	9.850	(1.074)	24640	20.0000	19.748	REV

6-14-7

566

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D

Date : 12-JUN-2007 09:59

Client ID: CAP_020

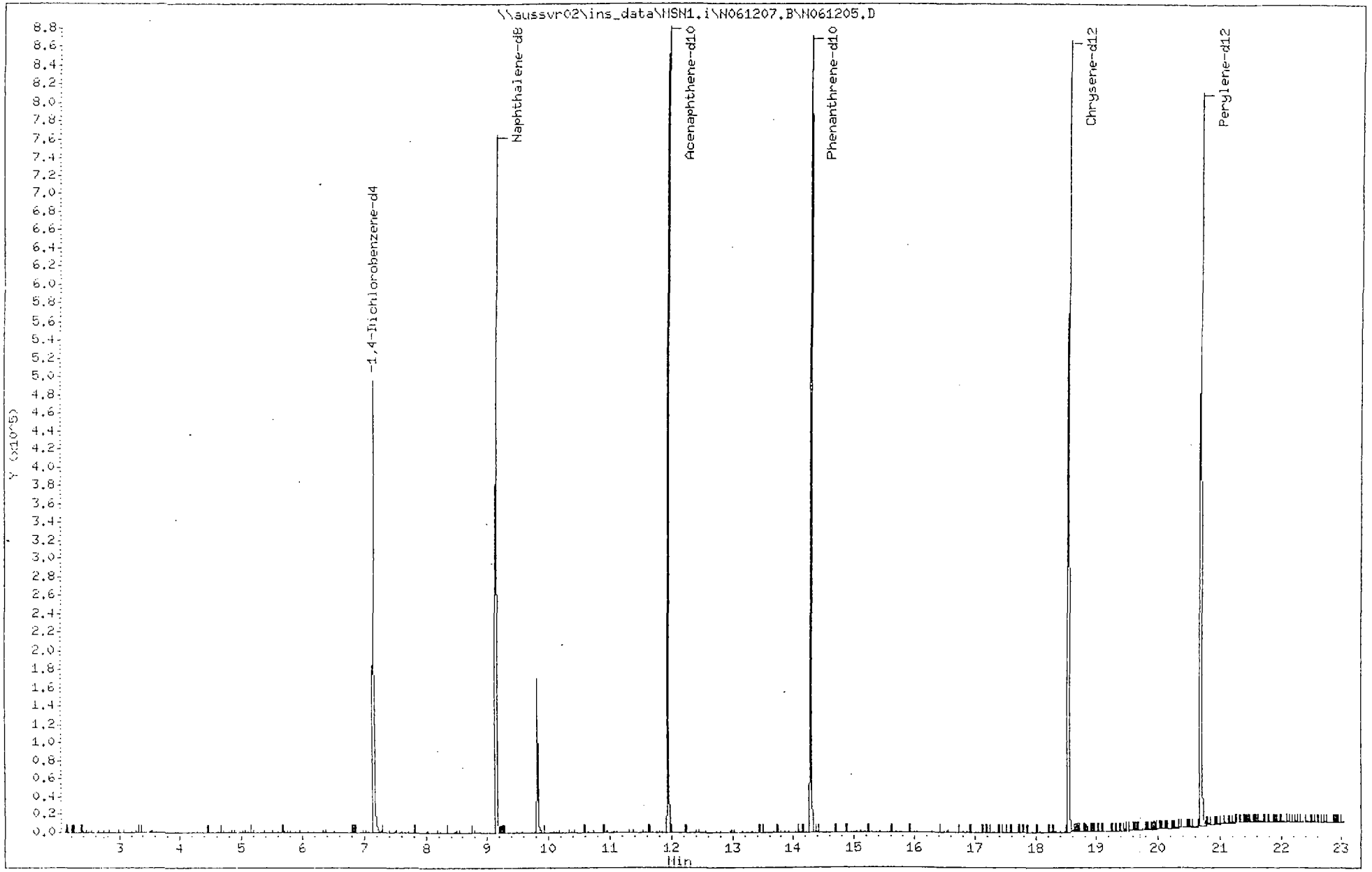
Sample Info: Icalib_2;CAP_020;;1;2;3;;;; SHCAPIC200001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Lab Smp Id: Icalib_3 Client Smp ID: CAP_050
Inj Date : 12-JUN-2007 10:28
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;CAP_050;;1;3;3;;;; SMCAPIC300001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.160	7.159	(1.000)	114591	40.0000		REV
* 40 Naphthalene-d8	136	9.145	9.150	(1.000)	444153	40.0000		REV
* 64 Acenaphthene-d10	164	11.951	11.956	(1.000)	254112	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	438077	40.0000		REV
* 114 Chrysene-d12	240	18.539	18.544	(1.000)	423294	40.0000		REV
* 122 Perylene-d12	264	20.681	20.691	(1.000)	400582	40.0000		REV
174 Caprolactam	113	9.836	9.850	(1.076)	57774	50.0000	47.298	REV

MMM 6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D

Date : 12-JUN-2007 10:28

Client ID: CAP_050

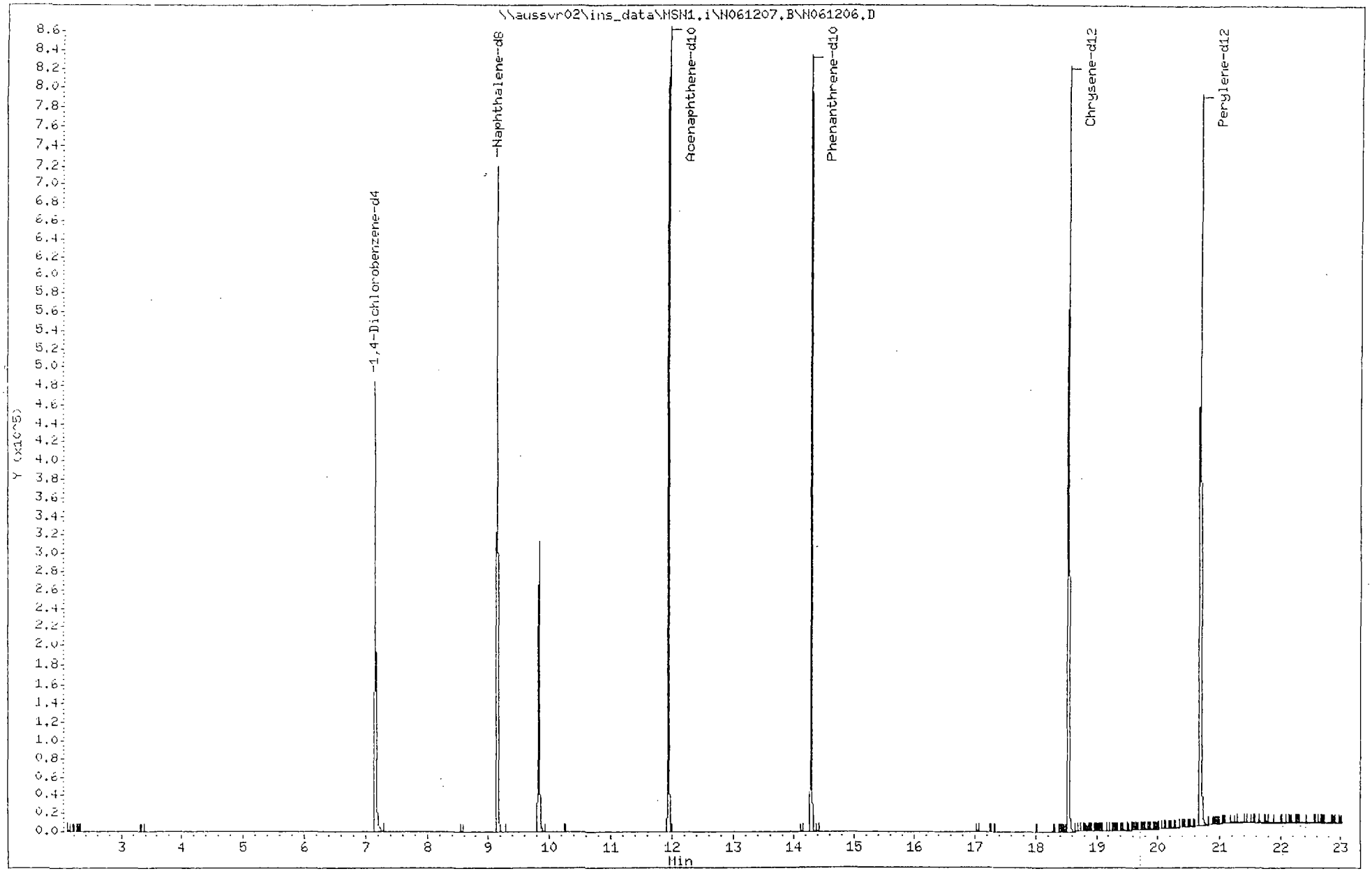
Instrument: MSN1.i

Sample Info: Icalib_3;CAP_050;;1;3;3;;;; SMCAPIC300001

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Lab Smp Id: Icalib_4 Client Smp ID: CAP_075
Inj Date : 12-JUN-2007 10:57
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;CAP_075;;1;4;3;;;; SMCAPIC400001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.157	7.159	(1.000)	116963	40.0000		REV
* 40 Naphthalene-d8	136	9.148	9.150	(1.000)	451461	40.0000		REV
* 64 Acenaphthene-d10	164	11.949	11.956	(1.000)	256798	40.0000		REV
* 93 Phenanthrene-d10	188	14.290	14.303	(1.000)	439560	40.0000		REV
* 114 Chrysene-d12	240	18.536	18.544	(1.000)	428987	40.0000		REV
* 122 Perylene-d12	264	20.684	20.691	(1.000)	404882	40.0000		REV
174 Caprolactam	113	9.850	9.850	(1.077)	100448	75.0000	80.902	REV

6-14-1

570

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D

Page 2

Date : 12-JUN-2007 10:57

Client ID: CAP_075

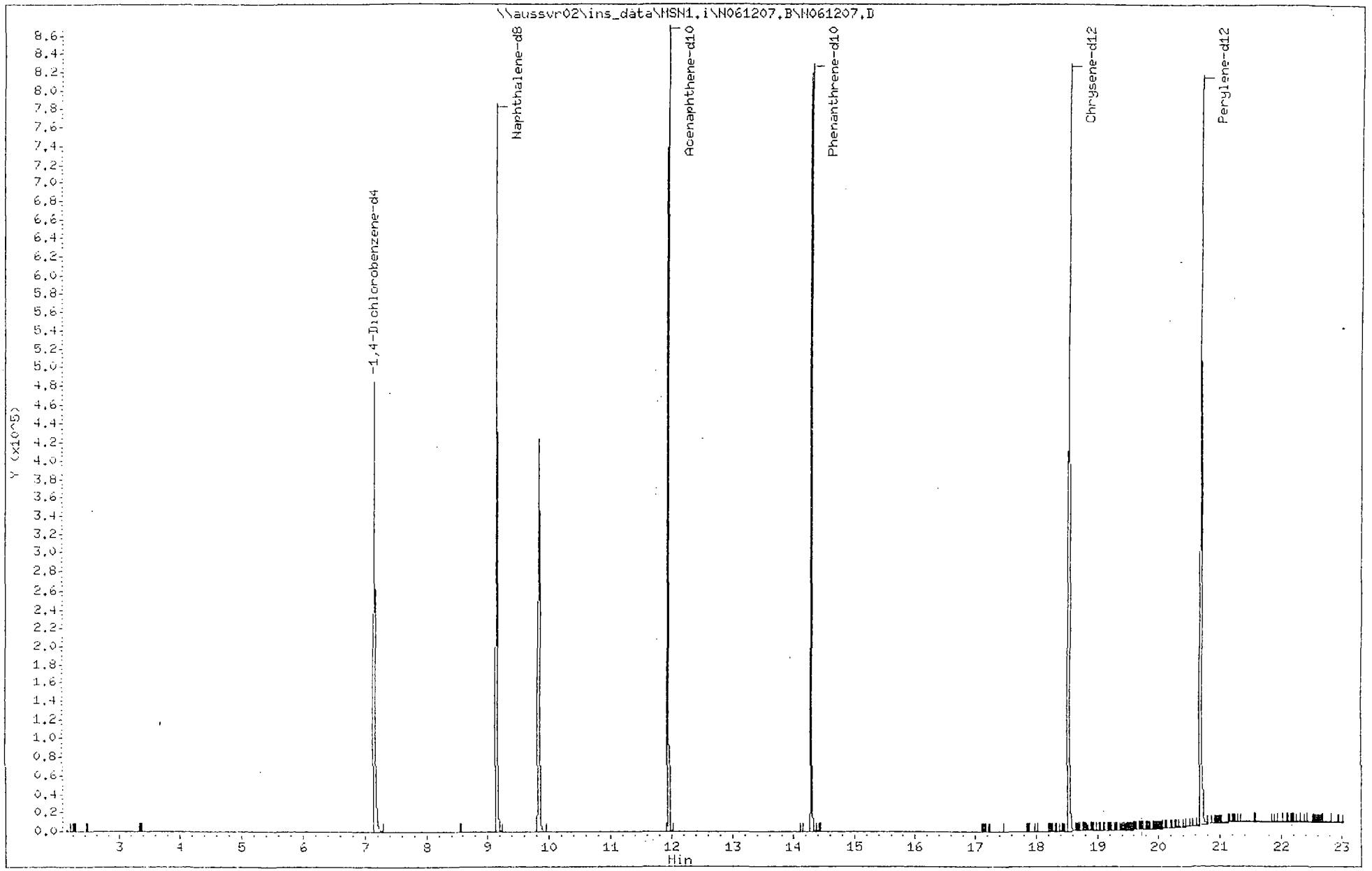
Instrument: MSN1.i

Sample Info: Icalib_4;CAP_075;;1;4;3;;;; SMCAPIC400001

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Lab Smp Id: Icalib_5 Client Smp ID: CAP_100
Inj Date : 12-JUN-2007 11:26
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;CAP_100;;1;5;3;;;; SMCAPIC500001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	116873	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	453325	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	257165	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	441415	40.0000		REV
* 114 Chrysene-d12	240	18.538	18.544	(1.000)	431034	40.0000		REV
* 122 Perylene-d12	264	20.686	20.691	(1.000)	397951	40.0000		REV
174 Caprolactam	113	9.857	9.850	(1.077)	126887	100.000	101.78	REV

6-14-7

572

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D

Date : 12-JUN-2007 11:26

Client ID: CAP_100

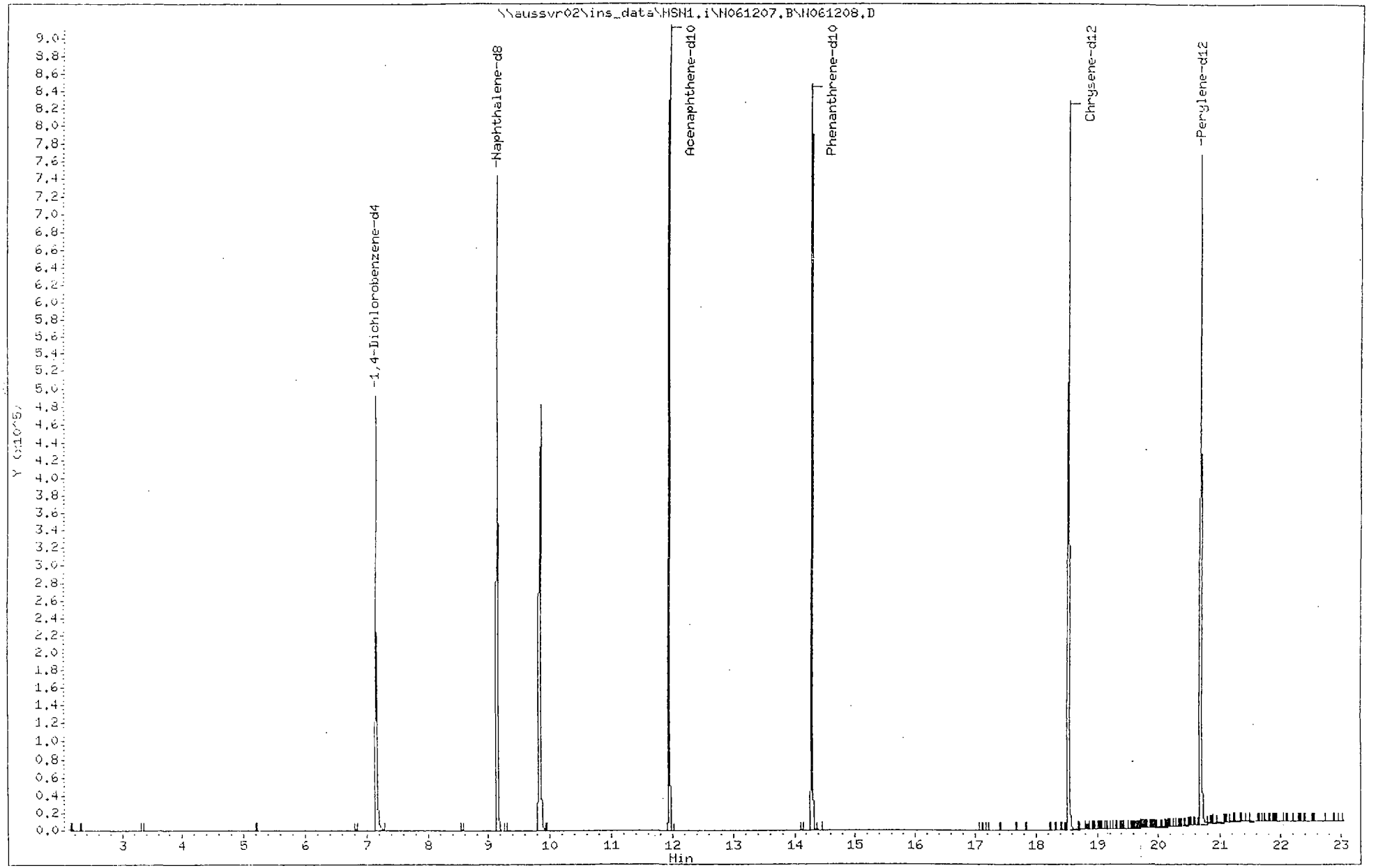
Sample Info: Icalib_5;CAP_100;;1;5;3;;;; SMCAPIC500001 .

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Lab Smp Id: Icalib_6 Client Smp ID: CAP_120
Inj Date : 12-JUN-2007 11:54
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;CAP_120;;1;6;3;;;; SMCAPIC600001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.160	7.159	(1.000)	116400	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	448704	40.0000		REV
* 64 Acenaphthene-d10	164	11.951	11.956	(1.000)	256085	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	437264	40.0000		REV
* 114 Chrysene-d12	240	18.539	18.544	(1.000)	434460	40.0000		REV
* 122 Perylene-d12	264	20.681	20.691	(1.000)	401080	40.0000		REV
174 Caprolactam	113	9.863	9.850	(1.078)	143462	120.000	116.26	REV

6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D

Date : 12-JUN-2007 11:54

Client ID: CAP_120

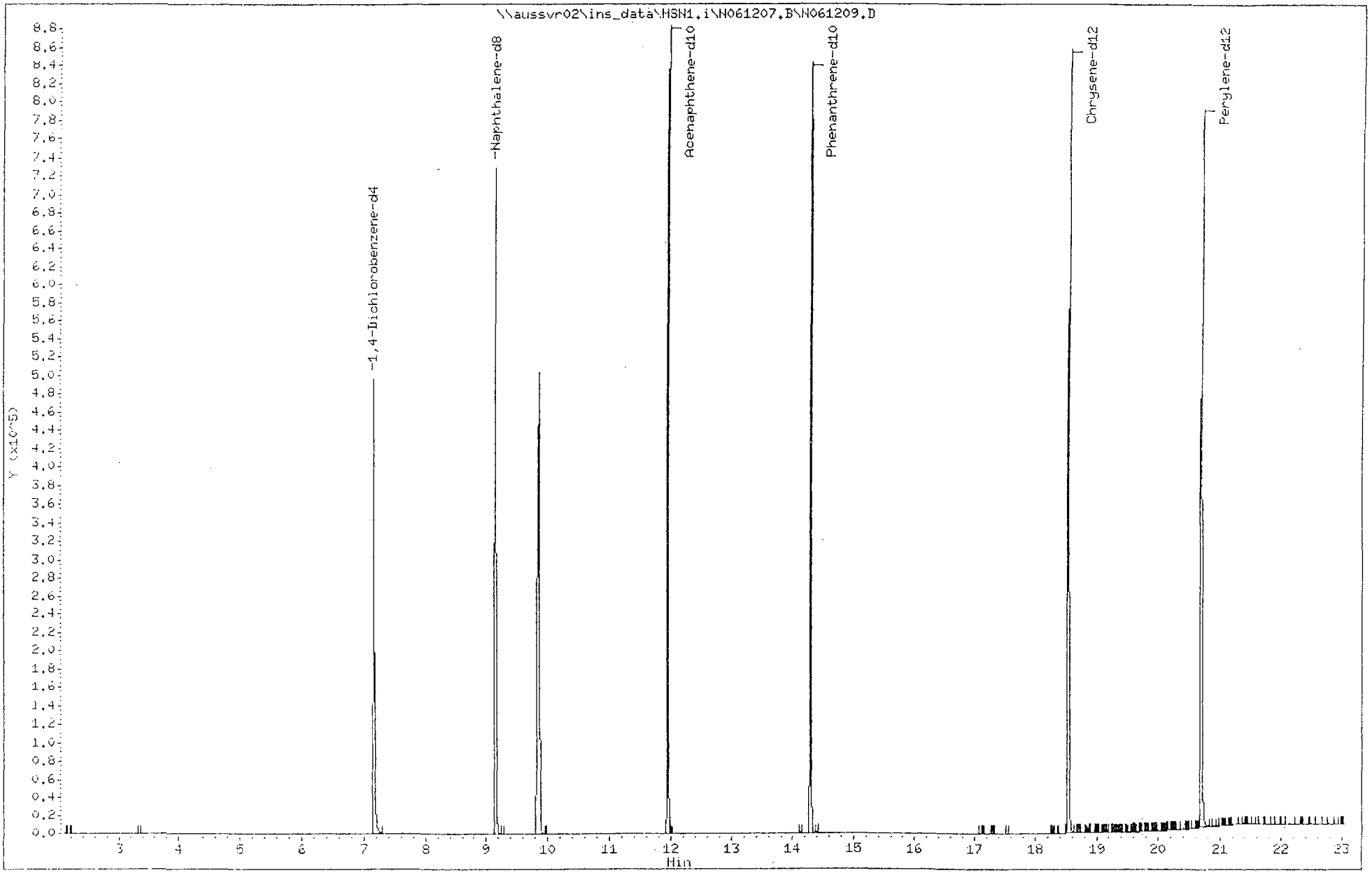
Instrument: MSN1.i

Sample Info: Icalib_6;CAP_120;;1;6;3;;;; SMCAPIC600001

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



METALS

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6010B

Associated Samples: 1, 3

Batch Number: 7157271

QC & Sample Data

STL

Inductively Coupled Plasma-Atomic Emission Spectroscopy.
Spectrophotometric Method for Trace Element Analyses

Circle Method Used: SW846 6010B / EPA 200.7: AUS-MT-0001, current revision
~~Other SOP:~~ _____

Run/Project Information:
Analyst: HD Run Date: 6/7/07 Instrument: A2

Prep Batches: 7157282, 7157271
HBN: _____

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits? (6010B = 90 – 110%, 200.7 = 95 –105%)	✓			✓
3. ICB/CCB analyzed at appropriate frequency and less than PQL or RL, as appropriate?	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL as required?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current MDL/LR/IEC data on file?	✓			✓
3. Calculations checked for error ?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: Hamid Davoudi Date: 6/8/07
Comments: _____

2nd Level Reviewer: [signature] Date: 6/8/07
Comments: _____

NOMENCLATURE

LIMS

Five (5) characters with an alpha suffix.

_____B	Method Blank
_____C	Laboratory Control Sample
_____L	Laboratory Control Sample Duplicate (optional)
_____S	Matrix Spike
_____D	Matrix Spike Duplicate
_____X	Sample Duplicate (as requested)

ICP/MS(6020) INSTRUMENT

QC Std #1	ICV (Initial Calibration Verification)
QC Std #2	ICB (initial Calibration Blank)
QC Std #3	LLCk Std (Low-level Check Standard for TRRP only)
QC Std #4	ICSA (Interference Check Standard – Interfering Elements)
QC Std #5	ICSAB (Interference Check Standard – Analytes and Interferants)
QC Std #6	CCV (Continuing Calibration Verification)
QC Std #7	CCB (Continuing Calibration Blank)
SD5X	Serial Dilution
AS1.04X	Analytical Spike

Analyst XE Date 6-6-07

Digestion Method 3010a (05)

SOP No#: (Circle one)
AUS-IP-0002, current revision
AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) ____

Digestion Cup Lot #: 5710LLS136

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C		
D	91	2607
E		

Spiking Solutions:

.5 mL StdsLog # 06MET0839
.5 mL StdsLog # 06MET0839
.5 mL StdsLog # METr+Sb-00001
.5 mL StdsLog # MEMULTI-00001
mL StdsLog #
mL StdsLog #

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)		HCl (1:1)	1:1HCL-00002
HNO_3 (1:4)		HCl (conc.)	
HNO3 (conc.)	HNO3-00003	H_2O_2	

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
1	NA	50	50	
C	↓	↓	↓	
JX9MC	↓	↓	↓	
J 6/6/07	—	—	—	
D	—	—	—	
JXXW	NA	50	50	ms/msd
JXXWE	↓	↓	↓	
JOC5C	↓	↓	↓	
JOC5E	↓	↓	↓	
JOC5G	↓	↓	↓	
JOC5J	↓	↓	↓	
JOC5N	↓	↓	↓	

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
JX8YH	NA	10	50	5X @ pH ✱
JX9GF		10		
JX9GL		10		
JX9GW		10		
JX9G0		10		
JOA4E		50		✱ 6/8/07
JOA5A				
JX7K3				
JDCGW		10		5X @ pH ✱
JXXVW-S		50		
J -S17		50		

6/6/07

TJA Trace (C1) Serial Dilution and Analytical Spike Recovery Calculations STL, Austin

BATCH #: 7157271

Work Order: JXXVW

Instrument Factor: 1

AS DF 1.042

MDL (ug/L)	A. Spike (mg/L)	Element	Original Result (mg/L)	S.D. Result (mg/L)	A.S. Result (mg/L)	SD % Difference	AS % Recovery	SD Flag
0.57	0.1	Silver						
12.29	50	Aluminum						
2.47	0.5	Arsenic	0.00705	0.00196	0.49061	<50 x MDL	96.77	
0.38	0.5	Barium						
0.03	0.5	Beryllium						
58.59	50	Calcium						
0.12	0.5	Cadmium						
0.57	0.5	Cobalt						
0.72	0.5	Chromium						
0.71	0.5	Copper						
12.82	50	Iron						
6.15	50	Magnesium						
0.12	0.5	Manganese						
0.76	0.5	Molybdenum						
16.72	50	Potassium						
6.79	50	Sodium						
0.57	0.5	Nickel						
1.85	0.5	lead						
1.26	0.5	Selenium						
0.8	0.5	Antimony						
3.34	0.5	Tin						
3.25	0.5	Thallium						
0.46	0.5	Vanadium						
0.78	0.5	Zinc						

Instrument ID: A2

Instrument model: ICP 61E Trace Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	800	P	100
Sb	40	K	300
As	20	Se	25
Ba	20	Si	400
Be	10	Ag	10
Bi	25	Na	500
B	80	Sr	10
Cd	25	S	400
Ca	800	Te	20
Cr	100	Tl	100
Co	80	Sn	20
Cu	80	Ti	20
Fe	1500	W	20
Pb	100	V	100
Mg	500	Zn	10
Mn	20	U	NA
Mo	20	Pd	NA
Ni	80	Au	NA

Filename Linearity: A60324A & A60327A for S
Filename IEC: A60324A
Filename Quarterly Curve Fit: A60324A

Instrument ID: ICP-A2
Data File Name: A70607A
Computer Clock Date/Time: 6/7/07 7:31

Analyst Initials/Date: HD 6/7/07
Method/Test 6010B/200.7
SOP #: AUS-MT-0001, current revision

Routine Maintenance:		
Clean Torch N	Clean Injector Tip N	Replace Injector Tip N
Replace Pump Winding N	Check Vacuum < 10 mTorr Y	Check Argon Pressure Y
As Profile: Micrometer 765	Intensity 1939 / 1463	030733
Comments:		

Internal Standard:		Calibration / Continuing Calibration Verification Standards:	
Internal Standard:	07MET0132	Std 1 / CCV2:	07MET0260
Initial Calibration Verification Standard		Std 2:	0261
ICV1:	—	Std 3 / CCV5:	0280
ICV2:	07MET0172	Std 4:	0281

Limit Check Samples:		Analytical Spike Information:			
QLCS:	—	Spike #	Spike ID	Volume	
RLCS:	—	1	06MET0837	a1 mLs	
	—	2	0838	a1 mLs	
Interference Check Standards:		3	0839	a1 mLs	
ICSA:	07MET0214	4	0840	a1 mLs	
ICSAB:	0215	5		mLs	
	—	6		mLs	
Client Specified / Other QC Standards:					
As Profile Std.:	07MET0055				

Comments:

HD 6/7/07

ST 01

Analysis Report Summary 06/08/07 09:20:10 AM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD0	A70607A	TRAA2	06/07/07	13:37		X	IR
2	STD1	A70607A	TRAA2	06/07/07	13:41		X	IR
3	STD2	A70607A	TRAA2	06/07/07	13:46		X	IR
4	STD3	A70607A	TRAA2	06/07/07	13:51		X	IR
5	STD4	A70607A	TRAA2	06/07/07	13:55		X	IR
6	ICV2	A70607A	TRAA2	06/07/07	13:59	HD	Q	CONC
7	ICB	A70607A	TRAA2	06/07/07	14:06	LEJ	Q	CONC
8	ICSA B	A70607A	TRAA2	06/07/07	14:11	HD	Q	CONC
9	ICSAB B	A70607A	TRAA2	06/07/07	14:16	HD	S	CONC
10	CCV2 B	A70607A	TRAA2	06/07/07	14:20	HD	S	CONC
11	CCB B	A70607A	TRAA2	06/07/07	14:25	HD	S	CONC
12	ICSA B	A70607A	TRAA2	06/07/07	14:45	HD	Q	CONC
13	ICSAB B	A70607A	TRAA2	06/07/07	14:50	HD	S	CONC
14	ICSA	A70607A	TRAA2	06/07/07	14:58	HD	Q	CONC
15	ICSAB	A70607A	TRAA2	06/07/07	15:03	HD	S	CONC
16	CCV2	A70607A	TRAA2	06/07/07	15:08	HD	S	CONC
17	CCB	A70607A	TRAA2	06/07/07	15:12	HD	S	CONC
18	J0D05B 7157282	A70607A	TRAA2	06/07/07	15:17	HD	S	CONC
19	J0D05C	A70607A	TRAA2	06/07/07	15:22	HD	S	CONC
20	J0C6W	A70607A	TRAA2	06/07/07	15:35	HD	S	CONC
21	SD 1:5	A70607A	TRAA2	06/07/07	15:40	HD	S	CONC
22	AS 1:042	A70607A	TRAA2	06/07/07	15:45	HD	S	CONC
23	J0C6WS	A70607A	TRAA2	06/07/07	15:49	HD	S	CONC
24	J0C6WD	A70607A	TRAA2	06/07/07	15:54	HD	S	CONC
25	J0C66	A70607A	TRAA2	06/07/07	15:59	HD	S	CONC
26	J0C7A	A70607A	TRAA2	06/07/07	16:04	HD	S	CONC
27	J0C7E	A70607A	TRAA2	06/07/07	16:09	HD	S	CONC
28	CCV2	A70607A	TRAA2	06/07/07	16:14	HD	S	CONC
29	CCB	A70607A	TRAA2	06/07/07	16:19	HD	S	CONC
30	J0C7K	A70607A	TRAA2	06/07/07	16:23	HD	S	CONC
31	JX34N	A70607A	TRAA2	06/07/07	16:28	HD	S	CONC
32	JX71D	A70607A	TRAA2	06/07/07	16:33	HD	S	CONC
33	JX71E	A70607A	TRAA2	06/07/07	16:37	HD	S	CONC
34	JX71F	A70607A	TRAA2	06/07/07	16:42	HD	S	CONC
35	JX71G	A70607A	TRAA2	06/07/07	16:47	HD	S	CONC
36	JX71L	A70607A	TRAA2	06/07/07	16:51	HD	S	CONC
37	JX71M	A70607A	TRAA2	06/07/07	16:56	HD	S	CONC
38	JX71Q	A70607A	TRAA2	06/07/07	17:01	HD	S	CONC
39	JX71V	A70607A	TRAA2	06/07/07	17:05	HD	S	CONC
40	CCV2	A70607A	TRAA2	06/07/07	17:10	HD	S	CONC
41	CCB	A70607A	TRAA2	06/07/07	17:15	HD	S	CONC
42	JX71W	A70607A	TRAA2	06/07/07	17:20	HD	S	CONC
43	J0C81	A70607A	TRAA2	06/07/07	17:24	HD	S	CONC
44	J0DC4	A70607A	TRAA2	06/07/07	17:29	HD	S	CONC
45	J0DDJ	A70607A	TRAA2	06/07/07	17:34	HD	S	CONC
46	J0DDR	A70607A	TRAA2	06/07/07	17:38	HD	S	CONC
47	J0DD0	A70607A	TRAA2	06/07/07	17:43	HD	S	CONC
48	CCV2	A70607A	TRAA2	06/07/07	17:48	HD	S	CONC
49	CCB	A70607A	TRAA2	06/07/07	17:53	HD	S	CONC
50	J0DWRB 7157271 B	A70607A	TRAA2	06/07/07	17:57	HD	S	CONC
51	J0DWRC B	A70607A	TRAA2	06/07/07	18:02	HD	S	CONC
52	JXXVW B PARENT	A70607A	TRAA2	06/07/07	18:07	HD	S	CONC
53	SD 1:5 B	A70607A	TRAA2	06/07/07	18:12	HD	S	CONC

correct & Rerun on 6/8/07

6/7/07

HD 6/7/07

Analysis Report Summary 06/08/07 09:20:10 AM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	AS 1:042 B	A70607A	TRAA2	06/07/07	18:16	HD	S	CONC
55	JXXVWS B	A70607A	TRAA2	06/07/07	18:21	HD	S	CONC
56	JXXVWD B	A70607A	TRAA2	06/07/07	18:26	HD	S	CONC
57	J0A4E B	A70607A	TRAA2	06/07/07	18:30	HD	S	CONC
58	J0A5A B (B) INT-TD	A70607A	TRAA2	06/07/07	18:35	HD	S	CONC
59	CCV2	A70607A	TRAA2	06/07/07	18:40	HD	S	CONC
60	CCB	A70607A	TRAA2	06/07/07	18:44	HD	S	CONC

Standardization Rpt. 06/07/07 01:41:50 PM page 1

Method: TRAA2 Standard: STD0
Run Time: 06/07/07 13:37:11

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	.0159	-.0018	-.0015	.0112	-.0109	-.0027	.0016
SDev	.0000	.0014	.0008	.0001	.0000	.0013	.0007
%RSD	.2395	75.77	52.47	.9494	.2582	50.19	43.63
#1	.0160	-.0028	-.0009	.0113	-.0109	-.0036	.0021
#2	.0159	-.0008	-.0020	.0111	-.0109	-.0017	.0011

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	.0018	.0320	.0000	-.0007	.0519	-.0008	-.0135
SDev	.0007	.0002	.0007	.0000	.0005	.0004	.0034
%RSD	40.49	.6542	3289.	4.223	.9090	45.04	25.21
#1	.0023	.0322	-.0005	-.0007	.0522	-.0011	-.0111
#2	.0013	.0319	.0005	-.0007	.0516	-.0006	-.0160

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664
Avge	.0017	.0024	.0001	-.0004	.0026	.0015	.5202
SDev	.0011	.0002	.0001	.0016	.0037	.0006	.0073
%RSD	61.70	9.150	47.72	402.9	141.4	37.55	1.398
#1	.0010	.0022	.0002	-.0016	.0000	.0011	.5253
#2	.0025	.0025	.0001	.0007	.0052	.0019	.5150

Elem	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215	S_1820
Avge	-.0177	.0120	.0733	-.0003	.0012	.0011	.0203
SDev	.0007	.0024	.0006	.0001	.0004	.0002	.0001
%RSD	4.210	19.90	.7444	37.96	36.66	14.40	.6542
#1	-.0171	.0137	.0737	-.0002	.0015	.0010	.0204
#2	-.0182	.0103	.0729	-.0003	.0009	.0012	.0202

Elem	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924	Zn2062
Avge	.0133	-.0080	-.0065	.0135	.0160	.0002	.0012
SDev	.0000	.0027	.0009	.0003	.0022	.0000	.0001
%RSD	.1562	33.37	14.05	2.364	13.84	.6542	6.310
#1	.0133	-.0061	-.0059	.0138	.0176	.0002	.0012
#2	.0133	-.0099	-.0072	.0133	.0145	.0002	.0011

A2
6/7/07
A70607A
HD

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21386	--	--	--	--	--	--
SDev	139.9008	--	--	--	--	--	--
%RSD	.6541830	--	--	--	--	--	--
#1	21287	--	--	--	--	--	--
#2	21484	--	--	--	--	--	--

Standardization Rpt. 06/07/07 01:46:32 PM page 1

Method: TRAA2 Standard: STD1
Run Time: 06/07/07 13:41:54

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	9.073	.5064	1.135	.8275	2.603	.5122	.6559
SDev	.002	.0011	.007	.0003	.003	.0023	.0005
%RSD	.0257	.2150	.6263	.0393	.1179	.4500	.0736
#1	9.071	.5057	1.140	.8277	2.605	.5105	.6556
#2	9.075	.5072	1.130	.8273	2.601	.5138	.6562

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	3.465	9.797	.9600	.3433	.9313	2.088	1.800
SDev	.005	.008	.0026	.0004	.0025	.002	.015
%RSD	.1301	.0819	.2659	.1067	.2663	.0761	.8352
#1	3.468	9.803	.9618	.3436	.9296	2.089	1.811
#2	3.462	9.792	.9582	.3431	.9331	2.086	1.790

Elem	Pb/2	Mn2576	Mo2020	Ni2316	Se/1	Se/2	Ag3280
Avge	.8567	.4066	.4310	1.945	1.003	.7267	.7720
SDev	.0027	.0000	.0008	.011	.004	.0004	.0004
%RSD	.3130	.0098	.1818	.5544	.4094	.0527	.0510
#1	.8548	.4066	.4304	1.952	1.006	.7264	.7723
#2	.8586	.4066	.4315	1.937	.9999	.7270	.7718

Elem	Sr4215	S_1820	Te2142	Tl1908	Sn1899	V_2924	Zn2062
Avge	3.638	11.59	.5238	.6623	.7552	.1802	.1975
SDev	.000	.00	.0046	.0059	.0027	.0003	.0002
%RSD	.0059	.0039	.8691	.8885	.3608	.1672	.1041
#1	3.638	11.59	.5270	.6665	.7571	.1804	.1974
#2	3.638	11.59	.5206	.6582	.7532	.1800	.1977

Standardization Rpt. 06/07/07 01:46:32 PM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20933	--	--	--	--	--	--
SDev	.3190267	--	--	--	--	--	--
%RSD	.0015241	--	--	--	--	--	--
#1	20933	--	--	--	--	--	--
#2	20933	--	--	--	--	--	--

Standardization Rpt. 06/07/07 01:51:14 PM page 1

Method: TRAA2 Standard: STD2
Run Time: 06/07/07 13:46:35

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	18.19	1.004	2.277	1.648	5.177	1.052	1.328
SDev	.02	.003	.003	.001	.005	.002	.004
%RSD	.1013	.3347	.1176	.0337	.0926	.1780	.2678
#1	18.17	1.001	2.275	1.649	5.174	1.054	1.331
#2	18.20	1.006	2.279	1.648	5.180	1.051	1.326

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	6.827	19.33	1.907	.6821	1.842	4.148	3.580
SDev	.013	.04	.001	.0004	.002	.006	.008
%RSD	.1838	.2237	.0566	.0577	.1274	.1450	.2223
#1	6.819	19.30	1.906	.6824	1.841	4.144	3.586
#2	6.836	19.36	1.908	.6818	1.844	4.153	3.575

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	Se/1
Avge	1.684	28.72	.8146	.8642	3.791	34.97	2.047
SDev	.005	.03	.0015	.0038	.006	.04	.009
%RSD	.3041	.1151	.1906	.4446	.1472	.1038	.4169
#1	1.680	28.69	.8135	.8615	3.787	34.99	2.053
#2	1.688	28.74	.8157	.8669	3.795	34.94	2.041

Elem	Se/2	Ag3280	Na3302	Sr4215	S_1820	Te2142	Tl1908
Avge	1.436	1.556	1.333	7.309	22.38	1.039	1.331
SDev	.002	.005	.001	.003	.02	.006	.002
%RSD	.1597	.3536	.0975	.0456	.0746	.5721	.1789
#1	1.438	1.552	1.332	7.307	22.36	1.043	1.329
#2	1.435	1.560	1.334	7.312	22.39	1.035	1.332

Elem	Sn1899	V_2924	Zn2062
Avge	1.512	.3629	.3922
SDev	.001	.0008	.0009
%RSD	.0478	.2142	.2206
#1	1.512	.3623	.3928
#2	1.511	.3634	.3916

Standardization Rpt. 06/07/07 01:51:14 PM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20675	--	--	--	--	--	--
SDev	.5303301	--	--	--	--	--	--
%RSD	.0025650	--	--	--	--	--	--
#1	20675	--	--	--	--	--	--
#2	20676	--	--	--	--	--	--

Standardization Rpt. 06/07/07 01:55:24 PM page 1

Method: TRAA2 Standard: STD3
Run Time: 06/07/07 13:51:17

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	13.10	18.19	3.581	1.101
SDev	.12	.02	.002	.002
%RSD	.9484	.1054	.0519	.2016
#1	13.01	18.18	3.580	1.099
#2	13.19	18.21	3.583	1.102

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21190	--	--	--	--	--	--
SDev	54.94302	--	--	--	--	--	--
%RSD	.2592832	--	--	--	--	--	--
#1	21152	--	--	--	--	--	--
#2	21229	--	--	--	--	--	--

Standardization Rpt. 06/07/07 01:59:35 PM page 1

Method: TRAA2 Standard: STD4
Run Time: 06/07/07 13:55:28

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	23.58	36.02	7.107	2.221
SDev	.05	.06	.003	.005
%RSD	.2196	.1528	.0399	.2165
#1	23.55	35.98	7.105	2.225
#2	23.62	36.06	7.109	2.218

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21321	--	--	--	--	--	--
SDev	15.27323	--	--	--	--	--	--
%RSD	.0716332	--	--	--	--	--	--
#1	21332	--	--	--	--	--	--
#2	21311	--	--	--	--	--	--

Standardization Report 06/07/07 02:06:18 PM page 1

Method: TRAA2 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	5.51316	-.087532	06/07/07 01:46:35
Sb2068	206.838	Multiple	Standards	.997840	.001787	06/07/07 01:46:35
As1890	189.042	Multiple	Standards	.436371	.000654	06/07/07 01:46:35
Ba4934	493.409	Multiple	Standards	.612054	-.006851	06/07/07 01:46:35
Be3130	313.042	Multiple	Standards	.192059	.002079	06/07/07 01:46:35
Bi2230	223.061	Multiple	Standards	.948792	.002563	06/07/07 01:46:35
B_2496	249.678	Multiple	Standards	.759632	-.001210	06/07/07 01:46:35
Cd2265	226.502	Multiple	Standards	.146238	-.000286	06/07/07 01:46:35
Ca3179	317.933	Multiple	Standards	5.15045	-.166448	06/07/07 01:46:35
Cr2677	267.716	Multiple	Standards	.522700	-.000019	06/07/07 01:46:35
Co2286	228.616	Multiple	Standards	1.45919	.000980	06/07/07 01:46:35
Cu3247	324.754	Multiple	Standards	.563933	-.029249	06/07/07 01:46:35
Fe2714	271.441	Multiple	Standards	24.0364	.018945	06/07/07 01:46:35
Pb/1	220.351	Multiple	Standards	.290057	.003918	06/07/07 01:46:35
Pb/2	220.352	Multiple	Standards	.577357	-.001030	06/07/07 01:46:35
Li6707	670.784	Multiple	Standards	.798188	-56.5053	*01/23/98 01:41:10
Mg2790	279.079	STD2	STD0	.653866	.001161	06/07/07 01:55:28
Mn2576	257.610	Multiple	Standards	1.23002	-.000170	06/07/07 01:46:35
Mo2020	202.030	Multiple	Standards	1.15784	.000469	06/07/07 01:46:35
Ni2316	231.604	Multiple	Standards	.260400	-.000710	06/07/07 01:46:35
P_1782	178.287	Multiple	Standards	4.01865	-.019034	06/07/07 01:55:28
K_7664	766.491	STD2	STD0	1.05089	-.053153	06/07/07 01:55:28
Se/1	196.021	Multiple	Standards	.487304	.008627	06/07/07 01:46:35
Se/2	196.022	Multiple	Standards	.678099	-.008159	06/07/07 01:46:35
Si2881	288.158	Multiple	Standards	2.77083	-.204177	06/07/07 01:55:28
Ag3280	328.068	Multiple	Standards	.645057	.000175	06/07/07 01:46:35
Na3302	330.232	STD2	STD0	.783860	.001036	06/07/07 01:55:28
Sr4215	421.552	Multiple	Standards	.137154	-.000145	06/07/07 01:46:35
S_1820	182.040	Multiple	Standards	4.39631	-.093734	06/07/07 01:46:35
Te2142	214.275	Multiple	Standards	.988190	-.013118	06/07/07 01:46:35
Tl1908	190.864	Multiple	Standards	.739416	.005947	06/07/07 01:46:35
Sn1899	189.989	Multiple	Standards	.657562	.004283	06/07/07 01:46:35
Ti3372	337.280	Multiple	Standards	.140555	-.001910	06/07/07 01:55:28
W_2079	207.910	Multiple	Standards	.457206	-.007316	06/07/07 01:55:28
V_2924	292.402	Multiple	Standards	2.69579	-.000495	06/07/07 01:46:35
Zn2062	206.200	Multiple	Standards	2.60005	-.003046	06/07/07 01:46:35
Pb2203	220.353	Multiple	Standards	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	Multiple	Standards	.000000	.000000	*NOT STANDARDIZED
Y_3710	371.030	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED

Standardization Readback Report 06/07/07 02:06:28 PM page 1

Method: TRAA2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD0	.000000	.000378	-.000378
		STD1	50.0000	49.9335	.066475
		STD2	100.000	100.169	-.169441

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD0	.000000	-.000014	.000014
		STD1	.500000	.507122	-.007122
		STD2	1.00000	1.00339	-.003393

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD0	.000000	.000003	-.000003
		STD1	.500000	.496054	.003946
		STD2	1.00000	.994185	.005815

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD0	.000000	.000004	-.000004
		STD1	.500000	.499625	.000375
		STD2	1.00000	1.00209	-.002090

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD0	.000000	-.000009	.000009
		STD1	.500000	.501950	-.001950
		STD2	1.00000	.996367	.003633

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi2230	223.061	STD0	.000000	.000030	-.000030
		STD1	.500000	.488497	.011503
		STD2	1.00000	1.00112	-.001124

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD0	.000000	.000017	-.000017
		STD1	.500000	.497037	.002963
		STD2	1.00000	1.00760	-.007598

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD0	.000000	-.000018	.000018
		STD1	.500000	.506458	-.006458
		STD2	1.00000	.998143	.001857

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD0	.000000	-.001471	.001471
		STD1	50.0000	50.2941	-.294117
		STD2	100.000	99.4118	.588234

CorCoef: 0.99998

Standardization Readback Report 06/07/07 02:06:28 PM page 2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD0	.000000	- 000008	.000008
		STD1	.500000	.501783	-.001783
		STD2	1.00000	.996854	.003146

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD0	.000000	-.000009	.000009
		STD1	.500000	.501937	-.001937
		STD2	1.00000	.996278	.003722

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	STD0	.000000	.000022	-.000022
		STD1	.500000	.495961	.004039
		STD2	1.00000	1.00962	-.009618

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD0	.000000	-.000753	.000753
		STD1	50.0000	50.1967	-.196712
		STD2	100.000	99.7330	.267036

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb/1	220.351	STD0	.000000	-.000012	.000012
		STD1	.500000	.526157	-.026157
		STD2	1.00000	1.04236	-.042363

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb/2	220.352	STD0	.000000	-.000020	.000020
		STD1	.500000	.493572	.006428
		STD2	1.00000	.971211	.028789

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li6707	670.784	NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053

CorCoef: 0.00000

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Mg2790	279.079	STD0	.002705	.002361	.000344
		STD2	18.7776	28.7160	-9.93845

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD0	.000000	.000002	-.000002
		STD1	.500000	.499966	.000034
		STD2	1.00000	1.00185	-.001848

CorCoef: 1.00000

Standardization Readback Report 06/07/07 02:06:28 PM page 3

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD0	.000000	.000003	-.000003
		STD1	.500000	.499468	.000532
		STD2	1.00000	1.00106	-.001064
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD0	.000000	-.000031	.000031
		STD1	.500000	.505651	-.005651
		STD2	1.00000	.986572	.013428
CorCoef:	0.99990				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P_1782	178.287	STD0	.000000	-.013122	.013122
		STD3	50.0000	52.6244	-2.62441
		STD4	100.000	94.7512	5.24883
CorCoef:	0.99796				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD0	.493484	.520164	-.026680
		STD2	36.6927	34.9662	1.72642

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se/1	196.021	STD0	.000000	.000015	-.000015
		STD1	.500000	.497284	.002716
		STD2	1.00000	1.00624	-.006240
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se/2	196.022	STD0	.000000	-.000004	.000004
		STD1	.500000	.484602	.015398
		STD2	1.00000	.965756	.034244
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si2881	288.158	STD0	.000000	-.001013	.001013
		STD3	50.0000	50.2026	-.202610
		STD4	100.000	99.5948	.405220
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD0	.000000	.000009	-.000009
		STD1	.500000	.498184	.001816
		STD2	1.00000	1.00363	-.003632
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD0	.001972	.001194	.000778
		STD2	1.04581	1.33286	-.287048

Standardization Readback Report 06/07/07 02:06:28 PM page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD0	.000000	.000006	-.000006
		STD1	.500000	.498824	.001176
		STD2	1.00000	1.00235	-.002352

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
S_1820	182.040	STD0	.000000	-.004307	.004307
		STD1	50.0000	50.8614	-.861431
		STD2	100.000	98.2771	1.72287

CorCoef: 0.99979

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te2142	214.275	STD0	.000000	.000006	-.000006
		STD1	.500000	.504490	-.004490
		STD2	1.00000	1.01350	-.013501

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD0	.000000	-.000002	.000002
		STD1	.500000	.495684	.004316
		STD2	1.00000	.989892	.010108

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD0	.000000	-.000004	.000004
		STD1	.500000	.500842	-.000842
		STD2	1.00000	.998316	.001684

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	STD0	.000000	-.000007	.000007
		STD3	.500000	.501485	-.001485
		STD4	1.00000	.997030	.002970

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W_2079	207.910	STD0	.000000	.000021	-.000021
		STD3	.500000	.495860	.004140
		STD4	1.00000	1.00828	-.008279

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD0	.000000	.000009	-.000009
		STD1	.500000	.485337	.014663
		STD2	1.00000	.977725	.022275

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD0	.000000	-.000006	.000006
		STD1	.500000	.510557	-.010557
		STD2	1.00000	1.01664	-.016639

CorCoef: 1.00000

Standardization Readback Report 06/07/07 02:06:28 PM page 5

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y_3710	371.030	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Analysis Report QC Standard 06/07/07 03:03:16 PM page 1

Method: TRAA2 Sample Name: ICSA Operator: HD
Run Time: 06/07/07 14:58:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	476.1	-.0010	.0002	.0008	-.0007	.0104	.0018
SDev	.3	.0042	.0000	.0000	.0001	.0006	.0001
%RSD	.0728	418.9	21.87	.6383	8.198	5.892	4.631
#1	476.4	.0020	.0002	.0008	-.0006	.0108	.0019
#2	475.9	-.0040	.0001	.0008	-.0007	.0100	.0018
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	.0000	.0000	.0000	.0000		.0000
Range	100.0	.0100	.0100	.0050	.0040		.6000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	481.2	.0010	.0002	-.0020	197.6	.0066
SDev	.0003	1.1	.0001	.0001	.0001	.3	.0022
%RSD	36.82	.2270	5.140	31.36	6.441	.1329	34.00
#1	.0005	480.5	.0010	.0002	-.0019	197.4	.0081
#2	.0009	482.0	.0011	.0001	-.0021	197.8	.0050
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	500.0	.0000	.0000	.0000	200.0	
Range	.0040	100.0	.0100	.0100	.0100	40.00	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0061	-75.02	508.1	.0056	-.0013	.0026	-.0077
SDev	.0006	.10	.4	.0001	.0023	.0001	.0032
%RSD	9.214	.1317	.0847	2.054	180.2	1.832	41.86
#1	-.0065	-74.95	507.8	.0056	-.0029	.0026	-.0100
#2	-.0057	-75.09	508.4	.0057	.0004	.0027	-.0054
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			500.0	.0000	.0000	.0000	.0000
Range			100.0	.0100	.0150	.0200	1.000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	-.0040	.0016	.0177	.0004	.0448	.0054
SDev	.0008	.0021	.0017	.0005	.0002	.0535	.0000
%RSD	30.46	53.39	103.6	3.069	49.50	119.3	.0717
#1	.0020	-.0025	.0004	.0180	.0005	.0070	.0054
#2	.0030	-.0055	.0028	.0173	.0002	.0827	.0054
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000			.0000	.0000	.0000	.0000
Range	.5000			1.000	.0100	1.000	.0060

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report QC Standard 06/07/07 03:03:16 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0532	-.0026	.0069	.0036	.0007	.0018	-.0005
SDev	.0029	.0006	.0037	.0017	.0002	.0003	.0001
%RSD	5.373	24.67	54.35	47.69	33.90	17.75	11.60
#1	.0553	-.0031	.0095	.0024	.0005	.0016	-.0005
#2	.0512	-.0022	.0042	.0048	.0009	.0021	-.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	.2000	.0100	.0500	.0500	.1000	.0100

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0004	-.0019	-.0002	6.667
SDev	.0006	.0004	.0004	.000
%RSD	153.3	18.81	185.6	.0016
#1	.0008	-.0017	-.0005	6.667
#2	-.0000	-.0022	.0001	6.667
Errors	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	
Range	.0200	.0060	.0100	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20085	--	--	--	--	--	--
SDev	31.39582	--	--	--	--	--	--
%RSD	.1563136	--	--	--	--	--	--
#1	20063	--	--	--	--	--	--
#2	20107	--	--	--	--	--	--

Analysis Report 06/07/07 03:07:58 PM page 1

Method: TRAA2 Sample Name: ICSAB Operator: HD
Run Time: 06/07/07 15:03:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	472.8	.9767	.9984	.9697	.9910	.0086	.0004
SDev	.2	.0057	.0031	.0013	.0005	.0018	.0009
%RSD	.0491	.5883	.3132	.1336	.0537	20.98	244.1
#1	473.0	.9807	1.001	.9688	.9914	.0098	-.0003
#2	472.6	.9726	.9962	.9706	.9907	.0073	.0010
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.104	1.058	1.097	1.039		
Low		.9551	.9255	.9580	.9232		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9278	486.4	.9796	.9180	1.080	198.9	1.002
SDev	.0023	.8	.0011	.0015	.000	.1	.001
%RSD	.2485	.1710	.1149	.1627	.0283	.0635	.0878
#1	.9294	487.0	.9804	.9190	1.080	199.0	1.003
#2	.9261	485.8	.9788	.9169	1.080	198.8	1.001
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	1.010		1.036	.9823	1.133		1.037
Low	.8873		.9156	.8495	.9899		.9205

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9493	-75.27	508.7	1.028	.9933	.9414	-.0110
SDev	.0069	.36	.4	.001	.0011	.0032	.0005
%RSD	.7294	.4771	.0775	.0808	.1153	.3446	4.817
#1	.9542	-75.02	508.9	1.029	.9925	.9437	-.0114
#2	.9444	-75.53	508.4	1.028	.9941	.9391	-.0107
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.037			1.061	1.056	1.042	
Low	.9205			.9460	.9350	.8800	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.8082	.9908	.9773	.0125	1.064	1.212	.0054
SDev	.0045	.0002	.0014	.0010	.001	.003	.0000
%RSD	.5623	.0162	.1434	7.627	.0821	.2802	.3559
#1	L.8114	.9907	.9763	.0119	1.064	1.214	.0054
#2	L.8050	.9909	.9782	.0132	1.063	1.210	.0054
Errors	LC Low	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK
High	1.237	1.054	1.054		1.128	1.777	
Low	.8143	.9396	.9396		.9934	.0988	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0569	-.0062	.9564	.0038	.0029	-.0034	1.036
SDev	.0030	.0017	.0070	.0025	.0000	.0004	.000
%RSD	5.199	28.02	.7317	64.91	.2379	11.61	.0014
#1	.0590	-.0049	.9514	.0055	.0029	-.0037	1.036
#2	.0549	-.0074	.9613	.0021	.0029	-.0031	1.036
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass
High			1.026				1.056
Low			.9130				.9392

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.9745	.9666	.9817	6.667
SDev	.0019	.0049	.0010	.000
%RSD	.1966	.5100	.1011	.0046
#1	.9759	.9701	.9810	6.667
#2	.9732	.9631	.9824	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.017	1.037	1.054	
Low	.8780	.9205	.9396	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20584	--	--	--	--	--	--
SDev	53.77464	--	--	--	--	--	--
%RSD	.2612432	--	--	--	--	--	--
#1	20546	--	--	--	--	--	--
#2	20622	--	--	--	--	--	--

Analysis Report 06/07/07 05:52:54 PM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/07/07 17:48:16
Comment:
Mode: CONC Corr. Factor: 1

Ba, (Y), Pb, Zn only

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.59	.5102	L.4637	L.4563	.4908	.4787	.4585
SDev	.03	.0012	.0001	.0002	.0001	.0034	.0036
%RSD	.0526	.2306	.0308	.0517	.0174	.7113	.7732
#1	47.57	.5093	L.4638	L.4561	.4909	.4812	.4610
#2	47.60	.5110	L.4636	L.4565	.4908	.4763	.4560
Errors	LC Pass	LC Pass	LC Low	LC Low	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5009	H52.57	L.4715	L.4347	H.5425	49.43	.4931
SDev	.0002	.03	.0005	.0003	.0004	.02	.0020
%RSD	.0482	.0512	.1112	.0590	.0716	.0352	.3968
#1	.5011	H52.55	L.4711	L.4349	H.5422	49.41	.4917
#2	.5007	H52.59	L.4719	L.4345	H.5428	49.44	.4945
Errors	LC Pass	LC High	LC Low	LC Low	LC High	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4801	-74.82	47.63	.5103	.5040	.4908	-.0150
SDev	.0012	.39	.03	.0006	.0033	.0009	.0017
%RSD	.2580	.5258	.0587	.1124	.6582	.1939	11.05
#1	.4792	-74.54	47.61	.5099	.5017	.4914	-.0162
#2	.4810	-75.09	47.65	.5107	.5064	.4901	-.0138
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L44.29	.4797	.4784	-.0493	H.5320	L45.70	.4842
SDev	.04	.0007	.0011	.0001	.0002	.07	.0001
%RSD	.0819	.1527	.2375	.2622	.0451	.1530	.0111
#1	L44.32	.4802	.4776	-.0493	H.5322	L45.75	.4842
#2	L44.27	.4792	.4792	-.0494	H.5319	L45.65	.4842
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC High	LC Low	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 05:52:54 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.69	.4658	.4887	L.4442	.0006	.0003	H.5258
SDev	.03	.0014	.0054	.0011	.0002	.0009	.0002
%RSD	.0614	.3080	1.105	.2443	26.79	327.9	.0380
#1	48.67	.4668	.4849	L.4435	.0005	-.0004	H.5260
#2	48.71	.4647	.4925	L.4450	.0007	.0009	H.5257
Errors	NOCHECK	NOCHECK	LC Pass	LC Low	NOCHECK	NOCHECK	LC High
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	L.4566	.4844	.4788	6.667
SDev	.0010	.0015	.0005	.000
%RSD	.2141	.3047	.1085	.0005
#1	L.4573	.4833	.4785	6.667
#2	L.4559	.4854	.4792	6.667
Errors	LC Low	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22370	--	--	--	--	--	--
SDev	31.92615	--	--	--	--	--	--
%RSD	.1427213	--	--	--	--	--	--
#1	22392	--	--	--	--	--	--
#2	22347	--	--	--	--	--	--

Analysis Report 06/07/07 05:57:40 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/07/07 17:53:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1801	.0006	.0005	.0001	L-.0032	-.0001	-.0004
SDev	.0085	.0028	.0008	.0001	.0000	.0015	.0006
%RSD	4.711	482.1	148.8	65.39	.9172	1067.	163.4
#1	.1741	.0026	.0011	.0001	L-.0031	.0009	-.0008
#2	.1861	-.0014	-.0000	.0002	L-.0032	-.0012	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0005	.0006	.0002	-.0110	.0358	.0029
SDev	.0001	.0069	.0002	.0001	.0002	.0045	.0012
%RSD	141.0	1527.	29.05	74.75	1.426	12.46	40.41
#1	.0001	-.0053	.0007	.0001	-.0109	.0389	.0038
#2	.0000	.0044	.0005	.0003	-.0111	.0326	.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-74.76	.0121	.0004	.0022	-.0004	-.0157
SDev	.0011	.09	.0021	.0001	.0013	.0001	.0000
%RSD	167.5	.1229	17.34	29.07	56.52	16.40	.0213
#1	-.0014	-74.69	.0106	.0003	.0031	-.0004	-.0157
#2	.0001	-74.82	.0135	.0005	.0013	-.0005	-.0157
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0193	.0024	-.0024	-.0629	-.0001	.1164	.0002
SDev	.0060	.0001	.0011	.0009	.0002	.0421	.0001
%RSD	30.98	4.982	46.25	1.415	200.6	36.18	28.54
#1	-.0235	.0025	-.0032	-.0622	.0000	.1461	.0001
#2	-.0150	.0023	-.0016	-.0635	-.0002	.0866	.0002
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 05:57:40 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0121	-.0048	.0024	-.0001	.0002	-.0009	.0000
SDev	.0039	.0023	.0001	.0010	.0001	.0015	.0006
%RSD	32.41	47.45	6.374	1387.	42.87	159.6	1289.
#1	.0093	-.0032	.0023	-.0008	.0002	.0001	.0005
#2	.0149	-.0064	.0025	.0006	.0001	-.0019	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0000	.0005	-.0008	6.667
SDev	.0000	.0003	.0007	.000
%RSD	13.13	61.07	87.51	.0065
#1	.0000	.0003	-.0013	6.667
#2	.0000	.0008	-.0003	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22805	--	--	--	--	--	--
SDev	22.80419	--	--	--	--	--	--
%RSD	.0999944	--	--	--	--	--	--
#1	22822	--	--	--	--	--	--
#2	22789	--	--	--	--	--	--

Analysis Report 06/07/07 06:02:27 PM page 1

Method: TRAA2 Sample Name: J0DWRB Operator: HD
Run Time: 06/07/07 17:57:49
Comment:
Mode: CONC Corr. Factor: 1

B only

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1803	.0007	.0007	.0001	L-.0032	.0014	.0003
SDev	.0028	.0005	.0007	.0000	.0000	.0021	.0003
%RSD	1.568	72.22	105.9	6.605	.3473	142.7	97.23
#1	.1823	.0010	.0011	.0001	L-.0032	.0029	.0001
#2	.1783	.0003	.0002	.0001	L-.0032	-.0000	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0082	.0010	.0005	-.0110	.0347	.0035
SDev	.0000	.0014	.0000	.0005	.0001	.0030	.0004
%RSD	53.07	17.65	.0712	116.4	.7983	8.765	10.47
#1	-.0001	.0092	.0010	.0001	-.0110	.0369	.0033
#2	-.0000	.0072	.0010	.0009	-.0111	.0326	.0038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-74.40	.0107	.0002	.0011	.0004	-.0159
SDev	.0004	.05	.0027	.0000	.0001	.0000	.0032
%RSD	50.60	.0674	25.70	16.15	10.29	6.636	20.46
#1	-.0012	-74.36	.0126	.0002	.0011	.0004	-.0136
#2	-.0006	-74.43	.0087	.0003	.0010	.0004	-.0182
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0059	.0017	-.0019	-.0302	.0003	.1359	.0003
SDev	.0040	.0007	.0003	.0010	.0002	.0346	.0000
%RSD	66.88	42.43	15.26	3.414	69.67	25.49	11.82
#1	-.0031	.0012	-.0017	-.0310	.0002	.1114	.0003
#2	-.0087	.0022	-.0021	-.0295	.0005	.1603	.0002
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0723	-.0030	.0011	.0026	.0004	.0009	.0005
SDev	.0028	.0020	.0008	.0004	.0000	.0010	.0001
%RSD	3.922	67.78	71.94	14.83	3.053	103.5	16.46
#1	.0703	-.0015	.0005	.0023	.0004	.0003	.0006
#2	.0743	-.0044	.0016	.0029	.0004	.0016	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0032	.0006	-.0007	6.667
SDev	.0005	.0004	.0000	.000
%RSD	15.18	73.55	6.746	.0005
#1	.0036	.0003	-.0007	6.667
#2	.0029	.0009	-.0007	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22794	--	--	--	--	--	--
SDev	22.48655	--	--	--	--	--	--
%RSD	.0986525	--	--	--	--	--	--
#1	22778	--	--	--	--	--	--
#2	22810	--	--	--	--	--	--

Analysis Report 06/07/07 06:07:14 PM page 1

Method: TRAA2 Sample Name: J0DWRC Operator: HD
Run Time: 06/07/07 18:02:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.00	.5096	.4546	.4508	.4885	.0010	.4477
SDev	.02	.0030	.0004	.0004	.0002	.0017	.0022
%RSD	.0470	.5802	.0843	.0941	.0358	162.4	.5030
#1	48.99	.5117	.4543	.4505	.4884	.0022	.4461
#2	49.02	.5075	.4548	.4511	.4887	-.0002	.4493
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	57.50	.5750	.5750	.5750	.5750		.5750
Low	42.50	.4250	.4250	.4250	.4250		.4250

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4914	53.45	.4632	.4257	.5519	50.15	.4896
SDev	.0000	.04	.0001	.0002	.0001	.04	.0011
%RSD	.0026	.0690	.0313	.0570	.0118	.0779	.2251
#1	.4915	53.48	.4633	.4259	.5519	50.12	.4889
#2	.4914	53.43	.4631	.4256	.5520	50.18	.4904
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5750	57.50	.5750	.5750	.5750	57.50	
Low	.4250	42.50	.4250	.4250	.4250	42.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4764	-74.93	49.33	.5133	.5023	.4973	11.15
SDev	.0023	.00	.01	.0002	.0012	.0005	.04
%RSD	.4760	.0034	.0300	.0433	.2458	.0982	.4000
#1	.4748	-74.93	49.32	.5131	.5014	.4976	11.12
#2	.4780	-74.93	49.34	.5134	.5031	.4969	11.18
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			57.50	.5750	.5750	.5750	
Low			42.50	.4250	.4250	.4250	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	46.52	.4755	.4755	L12.29	.1050	46.73	.4880
SDev	.01	.0051	.0005	.01	.0001	.05	.0002
%RSD	.0273	1.069	.1049	.0841	.1033	.0999	.0385
#1	46.51	.4719	.4751	L12.28	.1051	46.76	.4878
#2	46.53	.4791	.4758	L12.30	.1050	46.69	.4881
Errors	LC Pass	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass	NOCHECK
High	57.50			57.50	.1150	57.50	
Low	42.50			42.50	.0850	42.50	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 06:07:14 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.33	-.0094	.4902	.4469	.5127	-.0016	.5294
SDev	.01	.0020	.0043	.0001	.0002	.0017	.0000
%RSD	.0848	21.40	.8737	.0235	.0312	110.1	.0036
#1	10.34	-.0080	.4872	.4470	.5126	-.0003	.5294
#2	10.33	-.0108	.4932	.4468	.5128	-.0028	.5294
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High			.5750	.5750	.5750		.5750
Low			.4250	.4250	.4250		.4250

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.4567	.4807	.4755	6.667
SDev	.0005	.0019	.0020	.000
%RSD	.1101	.3917	.4232	.0019
#1	.4571	.4794	.4740	6.667
#2	.4564	.4821	.4769	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5750	.5750	.5750	
Low	.4250	.4250	.4250	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22563	--	--	--	--	--	--
SDev	11.45596	--	--	--	--	--	--
%RSD	.0507735	--	--	--	--	--	--
#1	22571	--	--	--	--	--	--
#2	22555	--	--	--	--	--	--

Analysis Report 06/07/07 06:12:01 PM page 1

Method: TRAA2 Sample Name: JXXVW Operator: HD
Run Time: 06/07/07 18:07:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1998	.0055	.0065	.0113	L-.0031	-.0013	.0134
SDev	.0011	.0018	.0000	.0001	.0000	.0034	.0003
%RSD	.5662	32.48	.0189	.5586	1.094	255.1	2.598
#1	.1990	.0042	.0065	.0113	L-.0031	.0011	.0136
#2	.2006	.0067	.0065	.0112	L-.0031	-.0038	.0131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	12.12	.0009	.0006	-.0114	.0390	.0038
SDev	.0000	.01	.0002	.0003	.0001	.0015	.0005
%RSD	34.32	.0475	28.31	45.22	1.006	3.816	13.21
#1	.0000	12.12	.0010	.0008	-.0114	.0400	.0035
#2	.0001	12.13	.0007	.0004	-.0113	.0379	.0042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-74.70	.8818	.0051	.0022	.0006	-.0086
SDev	.0017	.29	.0053	.0000	.0008	.0006	.0001
%RSD	87.71	.3873	.5949	.5983	35.22	108.2	1.607
#1	-.0031	-74.49	.8855	.0051	.0028	.0011	-.0085
#2	-.0007	-74.90	.8781	.0051	.0017	.0001	-.0087
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.147	.0035	-.0027	.7604	.0000	18.55	.0395
SDev	.003	.0002	.0018	.0074	.0002	.06	.0001
%RSD	.2397	5.521	67.33	.9740	467.6	.3355	.2574
#1	1.149	.0034	-.0040	.7656	-.0001	18.59	.0396
#2	1.145	.0036	-.0014	.7552	.0001	18.50	.0394
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.57	-.0042	-.0005	.0028	.0005	-.0003	.0003
SDev	.00	.0023	.0039	.0003	.0000	.0013	.0001
%RSD	.0303	54.81	819.7	11.54	.7237	392.8	30.35
#1	15.57	-.0026	.0023	.0030	.0005	.0006	.0003
#2	15.57	-.0059	-.0032	.0026	.0005	-.0012	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0021	-.0000	-.0007	6.667
SDev	.0001	.0013	.0013	.000
%RSD	7.470	219600.	190.3	.0018
#1	.0019	-.0009	-.0016	6.667
#2	.0022	.0009	.0002	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22939	--	--	--	--	--	--
SDev	31.92477	--	--	--	--	--	--
%RSD	.1391699	--	--	--	--	--	--
#1	22917	--	--	--	--	--	--
#2	22962	--	--	--	--	--	--

Analysis Report 06/07/07 06:16:42 PM page 1

Method: TRAA2 Sample Name: SD 1:5 Operator: HD
Run Time: 06/07/07 18:12:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.50	.2289	.2037	.1968	.2134	.2073	.1979
SDev	.03	.0053	.0015	.0005	.0002	.0024	.0009
%RSD	.1563	2.315	.7220	.2405	.1143	1.156	.4564
#1	20.52	.2327	.2048	.1971	.2136	.2056	.1986
#2	20.48	.2252	.2027	.1964	.2132	.2090	.1973
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2242	25.60	.2058	.1898	.2279	21.55	.2209
SDev	.0001	.00	.0003	.0002	.0006	.01	.0030
%RSD	.0386	.0012	.1521	.1205	.2753	.0624	1.363
#1	.2242	25.60	.2060	.1900	.2283	21.56	.2230
#2	.2241	25.60	.2056	.1896	.2274	21.54	.2187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2102	-75.11	20.73	.2234	.2207	.2193	-.0121
SDev	.0018	.07	.03	.0001	.0007	.0018	.0013
%RSD	.8666	.0943	.1502	.0387	.3019	.8360	10.38
#1	.2090	-75.16	20.75	.2234	.2212	.2206	-.0112
#2	.2115	-75.06	20.71	.2233	.2202	.2180	-.0130
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.81	.2129	.2082	.1081	.2291	22.93	.2167
SDev	.05	.0039	.0000	.0011	.0010	.11	.0004
%RSD	.2772	1.833	.0027	1.010	.4330	.4682	.1658
#1	18.85	.2156	.2082	.1089	.2298	23.01	.2169
#2	18.77	.2101	.2082	.1073	.2284	22.85	.2164
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.58	.1981	.2157	.1959	.0003	.0002	.2282
SDev	.05	.0010	.0007	.0008	.0001	.0004	.0006
%RSD	.1904	.5136	.3373	.3893	31.09	260.6	.2571
#1	24.61	.1988	.2152	.1953	.0004	.0005	.2286
#2	24.55	.1974	.2162	.1964	.0002	-.0001	.2278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.2056	.2137	.2097	6.667
SDev	.0002	.0002	.0013	.000
%RSD	.0834	.1064	.6156	.0019
#1	.2055	.2136	.2107	6.667
#2	.2057	.2139	.2088	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22672	--	--	--	--	--	--
SDev	16.54658	--	--	--	--	--	--
%RSD	.0729837	--	--	--	--	--	--
#1	22660	--	--	--	--	--	--
#2	22683	--	--	--	--	--	--

Analysis Report 06/07/07 06:21:23 PM page 1

Method: TRAA2 Sample Name: AS 1:042 Operator: HD
Run Time: 06/07/07 18:16:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.14	.5114	.4448	.4434	.4738	.0045	.4554
SDev	.02	.0010	.0020	.0003	.0004	.0027	.0010
%RSD	.0351	.2010	.4531	.0769	.0766	60.03	.2200
#1	47.16	.5107	.4463	.4436	.4740	.0064	.4547
#2	47.13	.5122	.4434	.4431	.4735	.0026	.4561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4841	63.90	.4489	.4089	.5352	48.60	.4768
SDev	.0017	.08	.0000	.0000	.0008	.04	.0014
%RSD	.3423	.1309	.0046	.0091	.1545	.0820	.2887
#1	.4853	63.96	.4489	.4089	.5357	48.63	.4759
#2	.4830	63.84	.4489	.4089	.5346	48.57	.4778
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4672	-75.18	48.74	.5087	.4920	.4867	10.88
SDev	.0032	.03	.04	.0007	.0005	.0014	.02
%RSD	.6879	.0373	.0868	.1381	.1075	.2870	.1864
#1	.4695	-75.20	48.77	.5092	.4916	.4877	10.90
#2	.4650	-75.16	48.71	.5082	.4924	.4857	10.87
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	46.54	.4586	.4626	48.63	.0942	63.91	.5158
SDev	.02	.0024	.0017	.01	.0002	.09	.0005
%RSD	.0486	.5264	.3588	.0267	.2319	.1426	.1021
#1	46.56	.4603	.4638	48.62	.0940	63.85	.5161
#2	46.52	.4569	.4614	48.64	.0943	63.98	.5154
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 06:21:23 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.83	-.0091	.4768	.4359	.4993	-.0003	.5133
SDev	.03	.0019	.0034	.0011	.0006	.0009	.0003
%RSD	.1228	21.04	.7070	.2629	.1111	274.6	.0591
#1	24.85	-.0105	.4744	.4351	.4997	-.0009	.5136
#2	24.81	-.0078	.4792	.4368	.4989	.0003	.5131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.4525	.4704	.4613	6.667
SDev	.0014	.0017	.0019	.000
%RSD	.2994	.3612	.4138	.0042
#1	.4515	.4716	.4626	6.667
#2	.4535	.4692	.4599	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22634	--	--	--	--	--	--
SDev	5.620946	--	--	--	--	--	--
%RSD	.0248337	--	--	--	--	--	--
#1	22630	--	--	--	--	--	--
#2	22638	--	--	--	--	--	--

Analysis Report 06/07/07 06:26:05 PM page 1

Method: TRAA2 Sample Name: JXXVWS Operator: HD
Run Time: 06/07/07 18:21:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.04	.5172	.4535	.4532	.4820	.0036	.4514
SDev	.05	.0034	.0025	.0002	.0008	.0037	.0021
%RSD	.1053	.6518	.5496	.0449	.1604	104.2	.4633
#1	48.07	.5148	.4517	.4534	.4826	.0009	.4529
#2	48.00	.5196	.4552	.4531	.4815	.0062	.4499
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4923	65.01	.4567	.4156	.5474	49.62	.4805
SDev	.0012	.12	.0011	.0012	.0002	.05	.0032
%RSD	.2481	.1784	.2426	.2837	.0378	.1106	.6629
#1	.4932	65.09	.4575	.4164	.5476	49.66	.4828
#2	.4914	64.93	.4560	.4147	.5473	49.58	.4783
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4748	-75.43	49.49	.5135	.5016	.4981	11.02
SDev	.0017	.16	.07	.0010	.0013	.0011	.04
%RSD	.3543	.2174	.1354	.1941	.2558	.2233	.3643
#1	.4760	-75.31	49.54	.5142	.5007	.4989	11.05
#2	.4736	-75.55	49.45	.5128	.5025	.4973	10.99
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.01	.4661	.4697	30.37	.1044	65.05	.5201
SDev	.04	.0008	.0010	.06	.0001	.02	.0003
%RSD	.0891	.1696	.2067	.1867	.0486	.0322	.0631
#1	47.04	.4656	.4704	30.41	.1043	65.06	.5204
#2	46.98	.4667	.4690	30.33	.1044	65.03	.5199
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.28	-.0100	.4814	.4413	.5066	.0002	.5245
SDev	.01	.0006	.0002	.0003	.0006	.0016	.0004
%RSD	.0351	5.666	.0386	.0674	.1097	789.7	.0810
#1	25.29	-.0104	.4816	.4411	.5070	.0013	.5248
#2	25.27	-.0096	.4813	.4415	.5062	-.0009	.5242
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.4549	.4767	.4685	6.667
SDev	.0024	.0022	.0004	.000
%RSD	.5360	.4569	.0832	.0009
#1	.4566	.4782	.4688	6.667
#2	.4532	.4752	.4682	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22597	--	--	--	--	--	--
SDev	15.37957	--	--	--	--	--	--
%RSD	.0680612	--	--	--	--	--	--
#1	22608	--	--	--	--	--	--
#2	22586	--	--	--	--	--	--

Analysis Report 06/07/07 06:30:46 PM page 1

Method: TRAA2 Sample Name: JXXVWD Operator: HD
Run Time: 06/07/07 18:26:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.41	.5183	.4538	.4563	.4816	.0023	.4502
SDev	.21	.0084	.0011	.0017	.0018	.0006	.0021
%RSD	.4240	1.624	.2417	.3707	.3741	28.57	.4628
#1	48.26	.5123	.4530	.4551	.4804	.0018	.4488
#2	48.55	.5243	.4545	.4575	.4829	.0027	.4517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4891	64.62	.4539	.4140	.5526	49.53	.4789
SDev	.0015	.22	.0020	.0005	.0028	.16	.0002
%RSD	.2992	.3370	.4337	.1171	.5053	.3147	.0428
#1	.4881	64.46	.4525	.4136	.5506	49.42	.4791
#2	.4901	64.77	.4553	.4143	.5546	49.64	.4788
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4759	-75.92	49.44	.5140	.5047	.4971	11.06
SDev	.0016	.31	.16	.0016	.0048	.0008	.00
%RSD	.3444	.4077	.3157	.3121	.9529	.1603	.0435
#1	.4748	-75.70	49.33	.5129	.5013	.4965	11.06
#2	.4771	-76.14	49.55	.5151	.5082	.4977	11.06
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.89	.4669	.4689	15.74	.1048	65.44	.5240
SDev	.19	.0049	.0010	.02	.0004	.09	.0025
%RSD	.3923	1.040	.2141	.1273	.4200	.1438	.4847
#1	47.76	.4634	.4682	15.72	.1045	65.38	.5222
#2	48.02	.4703	.4696	15.75	.1051	65.51	.5258
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 06:30:46 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.24	-.0081	.4884	.4427	.5074	-.0010	.5249
SDev	.12	.0031	.0075	.0013	.0020	.0001	.0020
%RSD	.4724	38.27	1.542	.2991	.3955	14.32	.3889
#1	25.16	-.0059	.4830	.4436	.5060	-.0011	.5234
#2	25.33	-.0103	.4937	.4417	.5088	-.0009	.5263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.4496	.4769	.4682	6.667
SDev	.0007	.0010	.0023	.000
%RSD	.1557	.2160	.4860	.0005
#1	.4501	.4762	.4666	6.667
#2	.4491	.4776	.4698	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22438	--	--	--	--	--	--
SDev	98.74636	--	--	--	--	--	--
%RSD	.4400770	--	--	--	--	--	--
#1	22508	--	--	--	--	--	--
#2	22369	--	--	--	--	--	--

Analysis Report 06/07/07 06:35:27 PM page 1

Method: TRAA2 Sample Name: J0A4E Operator: HD
Run Time: 06/07/07 18:30:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3370	.0049	-.0006	.2648	L-.0038	.0017	.0295
SDev	.0023	.0073	.0012	.0011	.0000	.0002	.0004
%RSD	.6793	148.6	204.1	.4295	.3239	14.45	1.399
#1	.3386	-.0002	-.0014	.2656	L-.0038	.0018	.0293
#2	.3354	.0100	.0003	.2640	L-.0038	.0015	.0298
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	787.5	.0032	.0006	-.0107	.1651	.0081
SDev	.0001	4.3	.0004	.0007	.0006	.0185	.0025
%RSD	53.94	.5488	12.08	126.8	5.735	11.23	30.74
#1	.0001	784.5	.0034	.0001	-.0103	.1520	.0098
#2	.0002	790.6	.0029	.0011	-.0112	.1782	.0063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0049	-73.33	364.8	.0200	.0164	.0017	.0088
SDev	.0019	.54	1.0	.0001	.0009	.0002	.0007
%RSD	39.55	.7306	.2828	.6252	5.386	14.41	8.042
#1	-.0063	-73.71	364.1	.0201	.0157	.0018	.0093
#2	-.0035	-72.95	365.5	.0199	.0170	.0015	.0083
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	130.3	.0078	-.0041	2.540	.0006	H2940.	5.992
SDev	.8	.0021	.0032	.002	.0002	11.	.015
%RSD	.6480	27.41	78.23	.0816	26.78	.3604	.2487
#1	130.9	.0093	-.0064	2.542	.0008	H2947.	6.003
#2	129.7	.0063	-.0018	2.539	.0005	H2932.	5.982
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H416.0	-.0086	.0247	.0045	.0018	-.0013	.0046
SDev	1.5	.0014	.0027	.0000	.0000	.0017	.0003
%RSD	.3639	15.98	11.05	.5590	.0482	134.9	6.242
#1	H414.9	-.0076	.0266	.0046	.0018	-.0001	.0044
#2	H417.1	-.0096	.0228	.0045	.0018	-.0025	.0048
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0016	-.0006	-.0002	6.667
SDev	.0004	.0005	.0015	.000
%RSD	26.09	77.76	785.3	.0011
#1	.0018	-.0010	-.0012	6.667
#2	.0013	-.0003	.0008	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19081	--	--	--	--	--	--
SDev	75.09557	--	--	--	--	--	--
%RSD	.3935702	--	--	--	--	--	--
#1	19028	--	--	--	--	--	--
#2	19134	--	--	--	--	--	--

Analysis Report 06/07/07 06:44:50 PM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/07/07 18:40:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L46.59	H.5456	.4796	L.4376	.5111	.4808	.4482
SDev	.06	.0013	.0014	.0002	.0020	.0020	.0019
%RSD	.1280	.2406	.2922	.0508	.3907	.4198	.4341
#1	L46.63	H.5465	.4806	L.4375	.5125	.4793	.4496
#2	L46.55	H.5447	.4786	L.4378	.5097	.4822	.4468
Errors	LC Low	LC High	LC Pass	LC Low	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

90%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.5541	H56.74	.4855	L.4416	H.5319	51.25	.5168
SDev	.0032	.38	.0016	.0023	.0007	.18	.0028
%RSD	.5846	.6663	.3267	.5168	.1330	.3552	.5405
#1	H.5564	H57.01	.4866	L.4432	H.5314	51.38	.5188
#2	H.5519	H56.48	.4843	L.4400	H.5324	51.12	.5148
Errors	LC High	LC High	LC Pass	LC Low	LC High	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5150	-76.48	49.42	H.5272	H.5251	H.5351	-.0126
SDev	.0044	.09	.38	.0023	.0026	.0038	.0046
%RSD	.8617	.1198	.7611	.4337	.4864	.7164	36.15
#1	.5181	-76.42	49.69	H.5288	H.5269	H.5378	-.0158
#2	.5118	-76.55	49.16	H.5256	.5233	H.5324	-.0094
Errors	NOCHECK	NOCHECK	LC Pass	LC High	LC High	LC High	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L43.71	.4865	.4955	-.0252	H.5378	L46.88	L.4734
SDev	.03	.0013	.0002	.0128	.0003	1.14	.0013
%RSD	.0598	.2683	.0371	50.93	.0541	2.428	.2751
#1	L43.73	.4874	.4953	-.0161	H.5376	47.68	L.4743
#2	L43.69	.4856	.4956	-.0343	H.5380	L46.07	L.4725
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC High	LC Low	LC Low
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.82	.4740	.5049	.4757	.0004	.0013	H.5363
SDev	.16	.0016	.0017	.0038	.0001	.0003	.0022
%RSD	.3244	.3390	.3404	.7995	25.78	24.94	.4004
#1	50.94	.4752	.5061	.4784	.0005	.0011	H.5379
#2	50.70	.4729	.5037	L.4731	.0004	.0015	H.5348
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC High
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5034	.5156	.4925	6.667
SDev	.0022	.0039	.0003	.000
%RSD	.4386	.7554	.0624	.0009
#1	.5050	.5183	.4927	6.667
#2	.5018	.5128	.4923	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22532	--	--	--	--	--	--
SDev	58.86664	--	--	--	--	--	--
%RSD	.2612611	--	--	--	--	--	--
#1	22573	--	--	--	--	--	--
#2	22490	--	--	--	--	--	--

Analysis Report 06/07/07 06:49:38 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/07/07 18:44:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1944	.0003	.0012	.0011	L-.0036	.0006	.0004
SDev	.0009	.0022	.0005	.0001	.0000	.0034	.0001
%RSD	.4673	644.6	40.54	10.74	1.259	573.9	31.98
#1	.1938	.0019	.0008	.0012	L-.0037	.0030	.0005
#2	.1951	-.0012	.0015	.0010	L-.0036	-.0018	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0303	.0010	.0006	-.0153	.0281	.0044
SDev	.0001	.0163	.0008	.0002	.0003	.0029	.0083
%RSD	59.28	53.91	81.97	37.90	2.235	10.22	186.0
#1	.0002	.0188	.0015	.0004	-.0156	.0261	.0103
#2	.0001	.0419	.0004	.0007	-.0151	.0301	-.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-76.42	.0524	.0002	.0012	.0006	-.0157
SDev	.0026	.48	.0229	.0001	.0003	.0007	.0013
%RSD	258.2	.6251	43.81	59.65	22.99	119.6	8.462
#1	-.0029	-76.75	.0361	.0001	.0010	.0010	-.0148
#2	.0008	-76.08	.0686	.0004	.0014	.0001	-.0166
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0917	.0020	-.0041	-.0705	.0002	H.4620	.0004
SDev	.0051	.0058	.0022	.0005	.0006	.0968	.0002
%RSD	5.559	293.7	55.12	.6483	295.5	20.96	44.84
#1	.0953	.0061	-.0057	-.0708	.0007	H.5305	.0003
#2	.0881	-.0021	-.0025	-.0701	-.0002	H.3936	.0005
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/07/07 06:49:38 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0684	-.0075	.0016	.0022	.0003	.0013	.0002
SDev	.0152	.0006	.0020	.0013	.0005	.0012	.0008
%RSD	22.16	7.413	129.8	56.81	181.1	93.63	407.5
#1	.0576	-.0079	.0030	.0031	.0007	.0022	.0008
#2	.0791	-.0071	.0001	.0013	-.0001	.0004	-.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0006	.0008	-.0021	6.667
SDev	.0007	.0010	.0004	.000
%RSD	107.4	123.1	20.35	.0009
#1	.0002	.0015	-.0018	6.667
#2	.0011	.0001	-.0024	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23569	--	--	--	--	--	--
SDev	22.06118	--	--	--	--	--	--
%RSD	.0936017	--	--	--	--	--	--
#1	23554	--	--	--	--	--	--
#2	23585	--	--	--	--	--	--

STL

Inductively Coupled Plasma-Atomic Emission Spectroscopy,
Spectrophotometric Method for Trace Element Analyses

Circle Method Used: SW846 6010B / EPA 200.7: AUS-MT-0001, current revision
~~Other SOP:~~

Run/Project Information:
Analyst: HD Run Date: 6/8/07 Instrument: A2

Prep Batches: 7157275, 7157271
HBN:

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	Y			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits? (6010B = 90 – 110%, 200.7 = 95 –105%)	Y			✓
3. ICB/CCB analyzed at appropriate frequency and less than PQL or RL, as appropriate?	Y			✓
5. ICSA/ICSAB run at required frequency and within SOP limits?	Y			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	Y			✓
2. All reported results bracketed by in control QC?	Y			✓
3. Sample analyses done within holding time?	Y			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	Y			✓
2. Method blank done per prep batch and < RL or PQL as required?	Y			✓
3. MS run at required frequency and within limits?	Y			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	Y			✓
5. Dilution Test done per prep batch?	Y			✓
6. Post digest spike analyzed if required?	Y			✓
D. Other				
1. Are all nonconformances documented appropriately?	Y			✓
2. Current MDL/LR/IEC data on file?	Y			✓
3. Calculations checked for error ?	Y			✓
4. All unused analyses noted on the sequence with the reason?	Y			✓
5. Transcriptions checked for error?	Y			✓
6. All client/project specific requirements met?	Y			✓
7. Date/time of analysis verified as correct?	Y			✓

Analyst: Hamid Davardu Date: 6/11/07
Comments:

2nd Level Reviewer: [illegible] Date: 6/12/07
Comments:

Instrument ID: ICP-A2
Data File Name: A70608A
Computer Clock Date/Time: 6/8/07 09:00

Analyst Initials/Date: HD 6/8/07
Method/Test: 6010B/ 200.7
SOP #: AUS-MT-0001, current revision

Routine Maintenance:		
Clean Torch ✓	Clean Injector Tip ✓	Replace Injector Tip ✓
Replace Pump Winding ✓	Check Vacuum < 10 mTorr ✓	Check Argon Pressure ✓
As Profile: Micrometer 753	Intensity 2250/1729	~ 050179
Comments:		

Internal Standard:		Calibration / Continuing Calibration Verification Standards:	
Internal Standard:	07MET 0132	Std 1 / CCV2:	07MET 0260
Initial Calibration Verification Standard		Std 2:	0261
ICV1:	—	Std 3 / CCV5:	0280
ICV2:	07MET 0172	Std 4:	0281

Limit Check Samples:		Analytical Spike Information:			
QLCS:	—	Spike #	Spike ID	Volume	
RLCS:	—	1	06MET0837	0.1 mLs	
	—	2	0838	0.1 mLs	
Interference Check Standards:		3	0839	0.1 mLs	
ICSA:	07MET 0214	4	0840	0.1 mLs	
ICSAB:	0215	5		mLs	
	—	6		mLs	
Client Specified / Other QC Standards:					
As Profile Std.:	07MET 0055				

Comments:

HD 6/8/07

Analysis Report Summary 06/11/07 07:31:42 AM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD0	A70608A	TRAA2	06/08/07	10:20		X	IR
2	STD1	A70608A	TRAA2	06/08/07	10:24		X	IR
3	STD2	A70608A	TRAA2	06/08/07	10:29		X	IR
4	STD3	A70608A	TRAA2	06/08/07	10:34		X	IR
5	STD4	A70608A	TRAA2	06/08/07	10:38		X	IR
6	ICV2	A70608A	TRAA2	06/08/07	10:43	HD	Q	CONC
7	ICB	A70608A	TRAA2	06/08/07	10:48	LEJ	Q	CONC
8	ICSA	A70608A	TRAA2	06/08/07	10:53	HD	Q	CONC
9	ICSAB	A70608A	TRAA2	06/08/07	10:58	HD	S	CONC
10	CCV2	A70608A	TRAA2	06/08/07	11:02	HD	S	CONC
11	CCB	A70608A	TRAA2	06/08/07	11:07	HD	S	CONC
12	J0DX7B 7157277	A70608A	TRAA2	06/08/07	11:12	HD	S	CONC
13	J0DX7C	A70608A	TRAA2	06/08/07	11:17	HD	S	CONC
14	J0A5A 115	A70608A	TRAA2	06/08/07	11:21	HD	S	CONC
15	J0CC3	A70608A	TRAA2	06/08/07	11:26	HD	S	CONC
16	J0CDK	A70608A	TRAA2	06/08/07	11:31	HD	S	CONC
17	J0CJP	A70608A	TRAA2	06/08/07	11:35	HD	S	CONC
18	J0C3R	A70608A	TRAA2	06/08/07	11:40	HD	S	CONC
19	J0C30	A70608A	TRAA2	06/08/07	11:45	HD	S	CONC
20	ICSA	A70608A	TRAA2	06/08/07	11:49	HD	Q	CONC
21	ICSAB	A70608A	TRAA2	06/08/07	11:54	HD	S	CONC
22	CCV2	A70608A	TRAA2	06/08/07	11:59	HD	S	CONC
23	CCB	A70608A	TRAA2	06/08/07	12:04	HD	S	CONC
24	J0C35	A70608A	TRAA2	06/08/07	12:09	HD	S	CONC
25	J0C37	A70608A	TRAA2	06/08/07	12:13	HD	S	CONC
26	J0C4A	A70608A	TRAA2	06/08/07	12:18	HD	S	CONC
27	J0C4C	A70608A	TRAA2	06/08/07	12:23	HD	S	CONC
28	J0C4E	A70608A	TRAA2	06/08/07	12:27	HD	S	CONC
29	J0C4F	A70608A	TRAA2	06/08/07	12:32	HD	S	CONC
30	J0C4J	A70608A	TRAA2	06/08/07	12:37	HD	S	CONC
31	J0C4L	A70608A	TRAA2	06/08/07	12:41	HD	S	CONC
32	J0C4R	A70608A	TRAA2	06/08/07	12:46	HD	S	CONC
33	J0C4V	A70608A	TRAA2	06/08/07	12:51	HD	S	CONC
34	CCV2	A70608A	TRAA2	06/08/07	12:55	HD	S	CONC
35	CCB	A70608A	TRAA2	06/08/07	13:00	HD	S	CONC
36	JX9N7	A70608A	TRAA2	06/08/07	13:05	HD	S	CONC
37	SD 1:5	A70608A	TRAA2	06/08/07	13:10	HD	S	CONC
38	AS 1:042	A70608A	TRAA2	06/08/07	13:14	HD	S	CONC
39	JX9N7S	A70608A	TRAA2	06/08/07	13:19	HD	S	CONC
40	JX9N7D	A70608A	TRAA2	06/08/07	13:24	HD	S	CONC
41	CCV2	A70608A	TRAA2	06/08/07	13:28	HD	S	CONC
42	CCB	A70608A	TRAA2	06/08/07	13:33	HD	S	CONC

7157271

HD 6/08/07

Standardization Rpt. 06/08/07 10:24:51 AM page 1

Method: TRAA2 Standard: STD0
Run Time: 06/08/07 10:20:12

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	.0247	-.0020	-.0004	.0139	-.0155	-.0020	.0015
SDev	.0010	.0047	.0016	.0002	.0001	.0038	.0005
%RSD	3.953	232.4	395.4	1.185	.7305	191.0	36.01
#1	.0241	-.0053	.0007	.0138	-.0156	-.0046	.0018
#2	.0254	.0013	-.0016	.0140	-.0154	.0007	.0011

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	.0022	.0348	.0020	.0000	.0402	.0000	-.0033
SDev	.0022	.0003	.0011	.0003	.0007	.0001	.0131
%RSD	99.35	.8310	57.39	145900.	1.848	141.4	399.0
#1	.0007	.0346	.0012	.0002	.0396	.0001	-.0125
#2	.0037	.0351	.0028	-.0002	.0407	.0000	.0060

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2216	P_1782	K_7664
Avge	-.0013	.0028	.0003	.0004	.0049	.0011	.6366
SDev	.0051	.0001	.0000	.0009	.0036	.0001	.0045
%RSD	396.4	4.214	10.74	235.5	74.04	11.01	.7108
#1	.0023	.0027	.0003	.0010	.0023	.0012	.6334
#2	-.0049	.0029	.0003	-.0003	.0075	.0010	.6398

Elem	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215	S_1820
Avge	-.0187	.0072	.0582	.0005	.0034	.0013	.0225
SDev	.0125	.0036	.0005	.0009	.0015	.0001	.0010
%RSD	66.56	49.83	.8748	180.1	43.46	5.014	4.363
#1	-.0276	.0097	.0586	-.0001	.0024	.0013	.0218
#2	-.0099	.0046	.0578	.0011	.0045	.0012	.0232

Elem	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924	Zn2062
Avge	.0117	.0006	-.0036	.0164	.0223	.0003	.0016
SDev	.0013	.0043	.0006	.0029	.0060	.0002	.0001
%RSD	10.86	758.2	18.13	17.78	27.05	70.61	9.550
#1	.0108	-.0025	-.0040	.0144	.0181	.0002	.0015
#2	.0126	.0036	-.0031	.0185	.0266	.0005	.0017

A2
6/8/07
HD
~~#4~~ A706084

Standardization Rpt. 06/08/07 10:24:51 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23056	--	--	--	--	--	--
SDev	31.60850	--	--	--	--	--	--
%RSD	.1370915	--	--	--	--	--	--
#1	23034	--	--	--	--	--	--
#2	23079	--	--	--	--	--	--

Standardization Rpt. 06/08/07 10:29:33 AM page 1

Method: TRAA2 Standard: STD1
Run Time: 06/08/07 10:24:54

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	8.710	.5219	1.164	.7467	2.773	.4964	.6133
SDev	.005	.0010	.002	.0001	.007	.0073	.0039
%RSD	.0585	.2013	.2092	.0196	.2693	1.478	.6353
#1	8.713	.5211	1.165	.7468	2.778	.5016	.6160
#2	8.706	.5226	1.162	.7466	2.767	.4913	.6105

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	3.856	11.23	1.008	.3578	.9437	2.222	1.957
SDev	.016	.04	.002	.0014	.0007	.005	.003
%RSD	.4167	.3120	.2359	.3901	.0698	.2143	.1405
#1	3.867	11.26	1.009	.3588	.9433	2.225	1.955
#2	3.844	11.21	1.006	.3568	.9442	2.219	1.959

Elem	Pb/2	Mn2576	Mo2020	Ni2316	Se/1	Se/2	Ag3280
Avge	.9206	.4347	.4551	2.052	1.020	.7268	.8142
SDev	.0012	.0007	.0002	.003	.019	.0019	.0009
%RSD	.1276	.1590	.0356	.1293	1.822	.2623	.1107
#1	.9215	.4352	.4550	2.054	1.007	.7282	.8136
#2	.9198	.4342	.4552	2.050	1.033	.7255	.8148

Elem	Sr4215	S_1820	Te2142	Tl1908	Sn1899	V_2924	Zn2062
Avge	3.442	11.77	.5156	.6933	.8233	.1922	.2271
SDev	.001	.04	.0076	.0056	.0022	.0002	.0009
%RSD	.0277	.3405	1.477	.8101	.2634	.0946	.3856
#1	3.443	11.80	.5210	.6973	.8248	.1924	.2277
#2	3.442	11.74	.5103	.6893	.8218	.1921	.2265

Standardization Rpt. 06/08/07 10:29:33 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22575	--	--	--	--	--	--
SDev	77.95852	--	--	--	--	--	--
%RSD	.3453301	--	--	--	--	--	--
#1	22630	--	--	--	--	--	--
#2	22520	--	--	--	--	--	--

Standardization Rpt. 06/08/07 10:34:15 AM page 1

Method: TRAA2 Standard: STD2
Run Time: 06/08/07 10:29:36

Elem	Al3082	Sb2068	As1890	Ba4934	Be2130	Bi2230	B_2496
Avge	17.44	1.051	2.342	1.472	5.492	1.029	1.240
SDev	.01	.006	.007	.001	.002	.004	.001
%RSD	.0469	.6023	.3125	.0810	.0281	.4019	.0616
#1	17.45	1.055	2.337	1.472	5.493	1.032	1.240
#2	17.43	1.047	2.348	1.471	5.491	1.026	1.241

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	7.569	22.01	1.991	.7059	1.868	4.390	3.871
SDev	.005	.01	.001	.0001	.000	.003	.003
%RSD	.0639	.0496	.0526	.0074	.0226	.0699	.0852
#1	7.566	22.00	1.990	.7059	1.869	4.387	3.873
#2	7.573	22.01	1.991	.7059	1.868	4.392	3.868

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	Se/1
Avge	1.805	30.07	.8662	.9071	4.015	32.15	2.069
SDev	.002	.00	.0001	.0060	.002	.04	.000
%RSD	.0963	.0003	.0131	.6587	.0452	.1298	.0119
#1	1.806	30.07	.8662	.9029	4.014	32.18	2.069
#2	1.804	30.07	.8663	.9113	4.016	32.12	2.069

Elem	Se/2	Ag3280	Na3302	Sr4215	S_1820	Te2142	Tl1908
Avge	1.441	1.631	1.239	6.925	22.76	1.018	1.376
SDev	.003	.002	.000	.002	.02	.001	.008
%RSD	.2133	.1134	.0380	.0276	.0934	.0833	.6133
#1	1.443	1.632	1.239	6.926	22.78	1.019	1.370
#2	1.439	1.630	1.239	6.924	22.75	1.017	1.382

Elem	Sn1899	V_2924	Zn2062
Avge	1.638	.3849	.4472
SDev	.004	.0003	.0004
%RSD	.2298	.0736	.0888
#1	1.641	.3847	.4469
#2	1.636	.3851	.4475

Standardization Rpt. 06/08/07 10:34:15 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22290	--	--	--	--	--	--
SDev	38.71410	--	--	--	--	--	--
%RSD	.1736854	--	--	--	--	--	--
#1	22262	--	--	--	--	--	--
#2	22317	--	--	--	--	--	--

Standardization Rpt. 06/08/07 10:38:25 AM page 1

Method: TRAA2 Standard: STD3
Run Time: 06/08/07 10:34:16

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	14.08	18.10	3.619	1.201
SDev	.10	.02	.000	.009
%RSD	.7323	.1246	.0070	.7096
#1	14.01	18.08	3.619	1.195
#2	14.16	18.12	3.619	1.207

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23008	--	--	--	--	--	--
SDev	4.455325	--	--	--	--	--	--
%RSD	.0193642	--	--	--	--	--	--
#1	23005	--	--	--	--	--	--
#2	23011	--	--	--	--	--	--

Standardization Rpt. 06/08/07 10:42:36 AM page 1

Method: TRAA2 Standard: STD4
Run Time: 06/08/07 10:38:29

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	25.88	36.14	7.211	2.450
SDev	.24	.07	.018	.010
%RSD	.9310	.1971	.2520	.3941
#1	26.05	36.19	7.224	2.457
#2	25.71	36.09	7.198	2.443

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23266	--	--	--	--	--	--
SDev	10.28896	--	--	--	--	--	--
%RSD	.0442226	--	--	--	--	--	--
#1	23259	--	--	--	--	--	--
#2	23274	--	--	--	--	--	--

Standardization Report 06/08/07 10:43:23 AM page 1

Method: TRAA2 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	5.75057	-.141956	06/08/07 10:29:36
Sb2068	206.838	Multiple	Standards	.960422	.001946	06/08/07 10:29:36
As1890	189.042	Multiple	Standards	.425262	.000183	06/08/07 10:29:36
Ba4934	493.409	Multiple	Standards	.684637	-.009538	06/08/07 10:29:36
Be3130	313.042	Multiple	Standards	.180479	.002783	06/08/07 10:29:36
Bi2230	223.061	Multiple	Standards	.975500	.001969	06/08/07 10:29:36
B_2496	249.678	Multiple	Standards	.812813	-.001166	06/08/07 10:29:36
Cd2265	226.502	Multiple	Standards	.132167	-.000312	06/08/07 10:29:36
Ca3179	317.933	Multiple	Standards	4.50807	-.159477	06/08/07 10:29:36
Cr2677	267.716	Multiple	Standards	.500100	-.001001	06/08/07 10:29:36
Co2286	228.616	Multiple	Standards	1.40714	-.000017	06/08/07 10:29:36
Cu3247	324.754	Multiple	Standards	.550563	-.022097	06/08/07 10:29:36
Fe2714	271.441	Multiple	Standards	22.6563	-.002445	06/08/07 10:29:36
Pb/1	220.351	Multiple	Standards	.262615	.000847	06/08/07 10:29:36
Pb/2	220.352	Multiple	Standards	.545619	.000671	06/08/07 10:29:36
Li6707	670.784	Multiple	Standards	.798188	-56.5053	*01/23/98 01:41:10
Mg2790	279.079	STD2	STD0	.624382	.000944	06/08/07 10:38:29
Mn2576	257.610	Multiple	Standards	1.15387	-.000329	06/08/07 10:29:36
Mo2020	202.030	Multiple	Standards	1.10122	-.000434	06/08/07 10:29:36
Ni2316	231.604	Multiple	Standards	.246515	-.001239	06/08/07 10:29:36
P_1782	178.287	Multiple	Standards	3.70092	-.014737	06/08/07 10:38:29
K_7664	766.491	STD2	STD0	1.14855	-.237691	06/08/07 10:38:29
Se/1	196.021	Multiple	Standards	.480313	.009009	06/08/07 10:29:36
Se/2	196.022	Multiple	Standards	.667695	-.004785	06/08/07 10:29:36
Si2881	288.158	Multiple	Standards	2.77149	-.161321	06/08/07 10:38:29
Ag3280	328.068	Multiple	Standards	.613913	-.000290	06/08/07 10:29:36
Na3302	330.232	STD2	STD0	.844882	-.000941	06/08/07 10:38:29
Sr4215	421.552	Multiple	Standards	.144865	-.000175	06/08/07 10:29:36
S_1820	182.040	Multiple	Standards	4.32582	-.101343	06/08/07 10:29:36
Te2142	214.275	Multiple	Standards	1.00412	-.011760	06/08/07 10:29:36
Tl1908	190.864	Multiple	Standards	.717688	-.000420	06/08/07 10:29:36
Sn1899	189.989	Multiple	Standards	.606880	.002163	06/08/07 10:29:36
Ti3372	337.280	Multiple	Standards	.138893	-.002285	06/08/07 10:38:29
W_2079	207.910	Multiple	Standards	.417880	-.009296	06/08/07 10:38:29
V_2924	292.402	Multiple	Standards	2.53600	-.000877	06/08/07 10:29:36
Zn2062	206.200	Multiple	Standards	2.27247	-.003613	06/08/07 10:29:36
Pb2203	220.353	Multiple	Standards	.000000	.000000	*NOT STANDARDIZED
Se1960	196.026	Multiple	Standards	.000000	.000000	*NOT STANDARDIZED
Y_3710	371.030	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED

Standardization Readback Report 06/06/07 10:43:25 AM page 1

Method: TRAA2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD0	.000000	.000329	-.000329
		STD1	50.0000	49.9433	.056728
		STD2	100.000	100.150	-.149956

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD0	.000000	.000006	-.000006
		STD1	.500000	.503153	-.003153
		STD2	1.00000	1.01133	-.011332

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD0	.000000	.000008	-.000008
		STD1	.500000	.494990	.005010
		STD2	1.00000	.996312	.003688

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD0	.000000	-.000007	.000007
		STD1	.500000	.501701	-.001701
		STD2	1.00000	.997939	.002061

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD0	.000000	-.000015	.000015
		STD1	.500000	.503164	-.003164
		STD2	1.00000	.993939	.006061

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Bi2230	223.061	STD0	.000000	.000041	-.000041
		STD1	.500000	.486248	.013752
		STD2	1.00000	1.00562	-.005623

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD0	.000000	.000016	-.000016
		STD1	.500000	.497317	.002683
		STD2	1.00000	1.00704	-.007039

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD0	.000000	-.000023	.000023
		STD1	.500000	.509292	-.009292
		STD2	1.00000	1.00012	-.000116

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD0	.000000	-.002376	.002376
		STD1	50.0000	50.4752	-.475155
		STD2	100.000	99.0497	.950310

CorCoef: 0.99994

Standardization Readback Report 06/08/07 10:43:25 AM page 2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD0	.000000	-.000014	.000014
		STD1	.500000	.502939	-.002939
		STD2	1.00000	.994542	.005458
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD0	.000000	-.000017	.000017
		STD1	.500000	.503431	-.003431
		STD2	1.00000	.993291	.006709
CorCoef:	0.99997				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	STD0	.000000	.000015	-.000015
		STD1	.500000	.497479	.002521
		STD2	1.00000	1.00658	-.006581
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD0	.000000	-.001461	.001461
		STD1	50.0000	50.3383	-.338333
		STD2	100.000	99.4499	.550117
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb/1	220.351	STD0	.000000	-.000016	.000016
		STD1	.500000	.514874	-.014874
		STD2	1.00000	1.01733	-.017329
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb/2	220.352	STD0	.000000	-.000026	.000026
		STD1	.500000	.502988	-.002988
		STD2	1.00000	.985439	.014561
CorCoef:	0.99993				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Li6707	670.784	NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053
		NONE	.000000	-56.5053	56.5053
CorCoef:	0.00000				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Mg2790	279.079	STD0	.002705	.002819	-.000114
		STD2	18.7776	30.0724	-11.2948

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD0	.000000	-.000004	.000004
		STD1	.500000	.501287	-.001287
		STD2	1.00000	.999207	.000793
CorCoef:	1.00000				

Standardization Readback Report 06/08/07 10:43:25 AM page 3

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD0	.000000	-.000004	.000004
		STD1	.500000	.500761	-.000761
		STD2	1.00000	.998477	.001523
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD0	.000000	-.000026	.000026
		STD1	.500000	.504689	-.004689
		STD2	1.00000	.988495	.011505
CorCoef:	0.99993				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P_1782	178.287	STD0	.000000	-.010563	.010563
		STD3	50.0000	52.1127	-2.11266
		STD4	100.000	95.7747	4.22531
CorCoef:	0.99870				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD0	.493484	.636607	-.143123
		STD2	36.6927	32.1539	4.53879

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se/1	196.021	STD0	.000000	.000006	-.000006
		STD1	.500000	.499091	.000909
		STD2	1.00000	1.00263	-.002625
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se/2	196.022	STD0	.000000	-.000005	.000005
		STD1	.500000	.480521	.019479
		STD2	1.00000	.957318	.042682
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si2881	288.158	STD0	.000000	-.000006	.000006
		STD3	50.0000	50.0012	-.001152
		STD4	100.000	99.9977	.002296
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD0	.000000	.000002	-.000002
		STD1	.500000	.499555	.000445
		STD2	1.00000	1.00089	-.000890
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD0	.001972	.003447	-.001475
		STD2	1.04581	1.23893	-.193121

Standardization Readback Report 06/08/07 10:43:25 AM page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD0	.000000	.000008	-.000008
		STD1	.500000	.498493	.001507
		STD2	1.00000	1.00301	-.003015

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
S_1820	182.040	STD0	.000000	-.004065	.004065
		STD1	50.0000	50.8131	-.813084
		STD2	100.000	98.3738	1.62616

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Te2142	214.275	STD0	.000000	-.000002	.000002
		STD1	.500000	.506010	-.006010
		STD2	1.00000	1.01046	-.010460

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD0	.000000	-.000009	.000009
		STD1	.500000	.497161	.002839
		STD2	1.00000	.986937	.013063

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD0	.000000	-.000009	.000009
		STD1	.500000	.501803	-.001803
		STD2	1.00000	.996394	.003606

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	STD0	.000000	-.000002	.000002
		STD3	.500000	.500352	-.000352
		STD4	1.00000	.999297	.000703

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
W_2079	207.910	STD0	.000000	.000036	-.000036
		STD3	.500000	.492774	.007226
		STD4	1.00000	1.01445	-.014451

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD0	.000000	.000002	-.000002
		STD1	.500000	.486605	.013395
		STD2	1.00000	.975190	.024810

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD0	.000000	-.000015	.000015
		STD1	.500000	.512533	-.012533
		STD2	1.00000	1.01269	-.012688

CorCoef: 0.99998

Standardization Readback Report 06/08/07 10:43:25 AM page 5

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Y_3710	371.030	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Analysis Report QC Standard 06/08/07 10:58:06 AM page 1

Method: TRAA2 Sample Name: ICSA Operator: HD
Run Time: 06/08/07 10:53:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	480.8	-.0014	.0010	.0004	-.0002	.0059	.0017
SDev	.3	.0005	.0000	.0000	.0000	.0020	.0014
%RSD	.0542	35.11	1.415	1.584	5.526	33.98	85.08
#1	481.0	-.0011	.0010	.0004	-.0002	.0074	.0027
#2	480.6	-.0017	.0010	.0004	-.0002	.0045	.0007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	.0000	.0000	.0000	.0000		.0000
Range	100.0	.0100	.0100	.0050	.0040		.6000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	462.9	.0001	-.0006	-.0007	191.9	.0121
SDev	.0004	.8	.0003	.0005	.0002	.3	.0025
%RSD	9.934	.1790	460.1	72.69	21.07	.1822	20.34
#1	-.0035	463.5	.0003	-.0010	-.0008	192.1	.0138
#2	Q-.0040	462.4	-.0002	-.0003	-.0006	191.6	.0104
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	500.0	.0000	.0000	.0000	200.0	
Range	.0040	100.0	.0100	.0100	.0100	40.00	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0097	-74.74	504.4	.0052	-.0013	.0023	-.0020
SDev	.0015	.51	1.5	.0001	.0000	.0006	.0006
%RSD	15.12	.6875	.3049	1.323	2.797	27.26	29.28
#1	-.0108	-74.37	505.5	.0053	-.0013	.0018	-.0016
#2	-.0087	-75.10	503.3	.0052	-.0012	.0027	-.0025
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			500.0	.0000	.0000	.0000	.0000
Range			100.0	.0100	.0150	.0200	1.000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0483	-.0088	.0057	.0318	-.0004	-.0265	.0056
SDev	.0063	.0038	.0028	.0023	.0006	.0365	.0000
%RSD	13.13	42.84	49.53	7.162	138.9	137.7	.2065
#1	-.0438	-.0114	.0076	.0334	-.0000	-.0007	.0056
#2	-.0528	-.0061	.0037	.0301	-.0009	-.0524	.0056
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000			.0000	.0000	.0000	.0000
Range	.5000			1.000	.0100	1.000	.0060

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report QC Standard 06/06/07 10:58:00 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0585	-.0046	-.0024	.0026	.0004	.0001	.0002
SDev	.0035	.0038	.0006	.0001	.0001	.0005	.0003
%RSD	5.917	81.66	23.28	4.488	14.17	625.7	134.9
#1	.0609	-.0073	-.0028	.0027	.0005	-.0003	.0000
#2	.0561	-.0019	-.0020	.0026	.0004	.0004	.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	.2000	.0100	.0500	.0500	.1000	.0100

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0007	-.0025	.0009	6.667
SDev	.0002	.0002	.0006	.000
%RSD	29.10	6.901	71.24	.0015
#1	.0009	-.0027	.0013	6.667
#2	.0006	-.0024	.0004	6.667
Errors	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	
Range	.0200	.0060	.0100	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21718	--	--	--	--	--	--
SDev	8.061294	--	--	--	--	--	--
%RSD	.0371182	--	--	--	--	--	--
#1	21724	--	--	--	--	--	--
#2	21712	--	--	--	--	--	--

Analysis Report 06/08/07 11:02:41 AM page 1

Method: TRAA2 Sample Name: ICSAB Operator: HD
Run Time: 06/08/07 10:58:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	483.6	.9921	.9864	1.017	.9584	.0058	.0019
SDev	.1	.0097	.0026	.001	.0003	.0007	.0004
%RSD	.0275	.9757	.2648	.0590	.0278	12.82	19.92
#1	483.5	.9852	.9883	1.017	.9582	.0063	.0016
#2	483.6	.9989	.9846	1.016	.9585	.0053	.0022
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.104	1.058	1.097	1.039		
Low		.9551	.9255	.9580	.9232		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9084	459.3	.9542	.9109	1.064	191.7	.9366
SDev	.0001	.3	.0004	.0005	.001	.1	.0059
%RSD	.0067	.0697	.0475	.0523	.1313	.0599	.6284
#1	.9083	459.1	.9539	.9112	1.063	191.6	.9407
#2	.9084	459.5	.9545	.9106	1.065	191.8	.9324
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	1.010		1.036	.9823	1.133		1.037
Low	.8873		.9156	.8495	.9899		.9205

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9409	-75.07	499.5	.9789	.9867	.9553	-.0046
SDev	.0035	.21	.1	.0002	.0057	.0006	.0016
%RSD	.3686	.2842	.0214	.0180	.5807	.0670	34.01
#1	.9384	-75.23	499.4	.9788	.9827	.9548	-.0035
#2	.9433	-74.92	499.6	.9791	.9908	.9557	-.0058
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.037			1.061	1.056	1.042	
Low	.9205			.9460	.9350	.8800	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.7291	.9743	.9591	.0316	1.033	1.000	.0056
SDev	.0011	.0018	.0003	.0003	.000	.072	.0000
%RSD	.1567	.1835	.0313	1.066	.0096	7.228	.2519
#1	L.7283	.9730	.9593	.0314	1.033	.9490	.0056
#2	L.7299	.9756	.9589	.0319	1.033	1.051	.0057
Errors	LC Low	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK
High	1.237	1.054	1.054		1.128	1.777	
Low	.8143	.9396	.9396		.9934	.0988	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/08/07 11:02:41 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0526	-.0090	.9508	.0019	.0024	-.0041	.9897
SDev	.0001	.0001	.0136	.0012	.0001	.0001	.0003
%RSD	.2346	1.033	1.427	60.85	3.236	1.592	.0306
#1	.0525	-.0089	.9412	.0027	.0025	-.0040	.9900
#2	.0527	-.0090	.9604	.0011	.0024	-.0041	.9895
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass
High			1.026				1.056
Low			.9130				.9392

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.9261	.9395	.9641	6.667
SDev	.0002	.0004	.0004	.000
%RSD	.0240	.0406	.0403	.0015
#1	.9263	.9392	.9638	6.667
#2	.9260	.9397	.9644	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.017	1.037	1.054	
Low	.8780	.9205	.9396	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	21444	--	--	--	--	--	--
SDev	17.18325	--	--	--	--	--	--
%RSD	.0801297	--	--	--	--	--	--
#1	21456	--	--	--	--	--	--
#2	21432	--	--	--	--	--	--

Analysis Report 06/08/07 11:07:28 AM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/08/07 11:02:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.25	.5010	.4979	.5040	.4962	.4929	.5065
SDev	.06	.0005	.0002	.0006	.0013	.0026	.0014
%RSD	.1147	.0930	.0366	.1240	.2663	.5317	.2751
#1	50.29	.5006	.4980	.5044	.4972	.4948	.5055
#2	50.21	.5013	.4978	.5035	.4953	.4911	.5075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4919	49.96	.4963	.4941	.5041	49.86	.4967
SDev	.0014	.09	.0010	.0021	.0005	.06	.0000
%RSD	.2826	.1719	.1992	.4289	.0990	.1116	.0047
#1	.4929	50.02	.4970	.4956	.5037	49.90	.4967
#2	.4909	49.90	.4956	.4926	.5044	49.82	.4967
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4940	-73.24	48.75	.4992	.4991	.4959	-.0097
SDev	.0001	.05	.11	.0007	.0018	.0003	.0020
%RSD	.0286	.0735	.2268	.1328	.3607	.0572	20.44
#1	.4941	-73.28	48.83	.4997	.4978	.4957	-.0111
#2	.4939	-73.20	48.68	.4988	.5004	.4961	-.0083
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.19	.5018	.4994	.0129	.5009	50.33	.5048
SDev	.09	.0016	.0002	.0009	.0008	.21	.0004
%RSD	.1752	.3181	.0387	7.135	.1533	.4231	.0821
#1	49.26	.5006	.4995	.0136	.5015	50.48	.5051
#2	49.13	.5029	.4992	.0123	.5004	50.18	.5045
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/08/07 11:07:28 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.85	.5013	.5021	.4883	-.0002	-.0023	.4998
SDev	.10	.0017	.0004	.0056	.0001	.0011	.0017
%RSD	.2002	.3460	.0886	1.147	55.88	49.51	.3356
#1	50.92	.5026	.5018	.4922	-.0002	-.0015	.5010
#2	50.77	.5001	.5024	.4843	-.0001	-.0031	.4987
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.4874	.4949	.5002	6.667
SDev	.0015	.0001	.0004	.000
%RSD	.3119	.0176	.0794	.0019
#1	.4885	.4949	.4999	6.667
#2	.4863	.4948	.5005	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22358	--	--	--	--	--	--
SDev	39.45573	--	--	--	--	--	--
%RSD	.1764765	--	--	--	--	--	--
#1	22330	--	--	--	--	--	--
#2	22385	--	--	--	--	--	--

Analysis Report 06/08/07 11:12:09 AM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/08/07 11:07:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	-.0016	-.0010	-.0005	-.0000	-.0023	-.0004
SDev	.0183	.0029	.0008	.0001	.0000	.0019	.0002
%RSD	38.10	181.2	79.81	19.28	264.0	81.46	51.09
#1	.0352	-.0036	-.0015	-.0005	.0000	-.0010	-.0006
#2	.0611	.0004	-.0004	-.0004	-.0000	-.0036	-.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0471	-.0002	-.0011	-.0014	.0115	-.0001
SDev	.0001	.0229	.0001	.0003	.0001	.0097	.0013
%RSD	161.9	48.66	66.27	28.01	5.367	84.81	887.0
#1	-.0000	.0309	-.0002	-.0013	-.0014	.0046	.0008
#2	.0002	.0633	-.0001	-.0009	-.0013	.0184	-.0011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-73.59	.0464	.0001	.0012	-.0010	-.0079
SDev	.0006	.14	.0227	.0000	.0001	.0005	.0013
%RSD	41.37	.1883	48.90	24.50	8.150	46.81	16.04
#1	-.0017	-73.49	.0303	.0002	.0012	-.0014	-.0070
#2	-.0010	-73.69	.0624	.0001	.0013	-.0007	-.0088
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0696	.0038	.0012	.0020	-.0003	-.1522	.0001
SDev	.0077	.0019	.0020	.0010	.0005	.0638	.0000
%RSD	11.03	48.36	163.9	48.45	153.9	41.92	12.01
#1	-.0751	.0025	-.0002	.0028	-.0007	-.1973	.0001
#2	-.0642	.0051	.0027	.0013	.0000	-.1071	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	-.0032	L-.0065	.0000	-.0001	-.0009	-.0005
SDev	.0029	.0019	.0001	.0003	.0001	.0012	.0002
%RSD	31.57	59.27	.9469	1623.	99.69	128.1	29.19
#1	.0072	-.0045	L-.0066	.0003	-.0002	-.0018	-.0007
#2	.0113	-.0018	L-.0065	-.0002	-.0000	-.0001	-.0004
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0003	-.0010	.0021	6.667
SDev	.0002	.0001	.0020	.000
%RSD	73.03	5.868	94.05	.0060
#1	.0005	-.0009	.0007	6.667
#2	.0001	-.0010	.0035	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22945	--	--	--	--	--	--
SDev	31.50216	--	--	--	--	--	--
%RSD	.1372971	--	--	--	--	--	--
#1	22922	--	--	--	--	--	--
#2	22967	--	--	--	--	--	--

Analysis Report 06/08/07 11:26:22 AM page 1

Method: TRAA2 Sample Name: J0A5A Operator: HD
Run Time: 06/08/07 11:21:44 1:5 Bonly
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.48	.2282	.2161	.2444	.2000	.2301	.5826
SDev	.04	.0005	.0013	.0010	.0020	.0019	.0022
%RSD	.1565	.2377	.6076	.4138	.9830	.8237	.3696
#1	24.51	.2278	.2152	.2452	.1986	.2288	.5811
#2	24.46	.2286	.2171	.2437	.2014	.2315	.5841
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1954	234.6	.2065	.2058	.2391	27.42	.2162
SDev	.0027	2.9	.0016	.0029	.0020	.25	.0012
%RSD	1.356	1.218	.7955	1.421	.8464	.9184	.5705
#1	.1935	232.6	.2053	.2037	.2405	27.24	.2171
#2	.1972	236.6	.2077	.2078	.2377	27.60	.2153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1997	-73.38	462.4	1.735	.2239	.2044	.0284
SDev	.0040	.05	4.3	.012	.0019	.0011	.0056
%RSD	1.986	.0736	.9370	.6884	.8445	.5466	19.54
#1	.1969	-73.34	459.3	1.726	.2226	.2036	.0324
#2	.2025	-73.42	465.4	1.743	.2252	.2052	.0245
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	92.77	.2316	.2133	2.025	.2403	H2181.	3.473
SDev	.38	.0021	.0000	.013	.0010	5.	.008
%RSD	.4147	.9221	.0022	.6344	.3975	.2478	.2284
#1	93.04	.2331	.2133	2.016	.2409	H2185.	3.479
#2	92.49	.2301	.2133	2.034	.2396	H2177.	3.468
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/08/07 11:26:22 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	276.9	.2131	.2172	.1990	.0048	.0001	.2166
SDev	2.3	.0035	.0014	.0041	.0003	.0004	.0001
%RSD	.8186	1.642	.6262	2.046	6.552	425.3	.0286
#1	275.3	.2106	.2162	.1961	.0050	.0004	.2166
#2	278.5	.2155	.2181	.2019	.0045	-.0002	.2166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.1953	.2052	.2193	6.667
SDev	.0029	.0022	.0007	.000
%RSD	1.462	1.097	.3227	.0027
#1	.1932	.2036	.2198	6.667
#2	.1973	.2068	.2188	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20189	--	--	--	--	--	--
SDev	114.4463	--	--	--	--	--	--
%RSD	.5668698	--	--	--	--	--	--
#1	20108	--	--	--	--	--	--
#2	20270	--	--	--	--	--	--

Analysis Report 06/08/07 12:04:00 PM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/08/07 11:59:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.80	.5151	.5111	H.5368	.5129	.4997	.5131
SDev	.02	.0027	.0006	.0003	.0004	.0006	.0018
%RSD	.0450	.5319	.1209	.0638	.0713	.1115	.3432
#1	50.81	.5131	.5106	H.5371	.5132	.5001	.5119
#2	50.78	.5170	.5115	H.5366	.5127	.4993	.5143
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5142	52.12	.5104	.5041	.5132	51.47	.5173
SDev	.0001	.05	.0003	.0017	.0004	.01	.0000
%RSD	.0117	.0995	.0612	.3287	.0805	.0112	.0049
#1	.5142	52.16	.5101	.5029	.5135	51.47	.5173
#2	.5142	52.08	.5106	.5053	.5129	51.46	.5173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5123	-74.52	50.25	.5170	.5169	.5153	-.0106
SDev	.0025	.09	.02	.0006	.0006	.0020	.0010
%RSD	.4812	.1212	.0310	.1163	.1174	.3846	9.586
#1	.5141	-74.46	50.26	.5174	.5173	.5139	-.0114
#2	.5106	-74.59	50.24	.5165	.5165	.5167	-.0099
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.86	.5172	.5143	.0067	.5209	50.18	.5129
SDev	.03	.0024	.0003	.0002	.0004	.06	.0005
%RSD	.0520	.4553	.0653	2.746	.0711	.1107	.0906
#1	48.84	.5188	.5141	.0066	.5211	50.22	.5132
#2	48.87	.5155	.5145	.0069	.5206	50.14	.5126
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/08/07 12:04:00 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.37	.5117	.5159	.4977	-.0001	-.0022	.5165
SDev	.01	.0009	.0041	.0013	.0002	.0004	.0002
%RSD	.0282	.1725	.7999	.2592	176.0	17.46	.0409
#1	52.38	.5124	.5188	.4986	-.0003	-.0019	.5164
#2	52.36	.5111	.5129	.4968	.0000	-.0025	.5167
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5076	.5140	.5152	6.667
SDev	.0002	.0017	.0006	.000
%RSD	.0368	.3230	.1072	.0037
#1	.5078	.5152	.5156	6.667
#2	.5075	.5128	.5149	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	22980	--	--	--	--	--	--
SDev	32.98681	--	--	--	--	--	--
%RSD	.1435481	--	--	--	--	--	--
#1	22956	--	--	--	--	--	--
#2	23003	--	--	--	--	--	--

Analysis Report 06/08/07 12:09:01 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/08/07 12:04:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0539	.0021	-.0009	.0009	-.0002	.0007	.0008
SDev	.0267	.0008	.0016	.0003	.0001	.0024	.0003
%RSD	49.57	36.56	179.1	34.11	46.40	355.9	38.39
#1	.0350	.0016	-.0021	.0007	-.0002	-.0010	.0006
#2	.0728	.0027	.0002	.0012	-.0001	.0023	.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0537	-.0002	-.0004	-.0039	.0193	.0017
SDev	.0002	.0282	.0000	.0009	.0006	.0306	.0057
%RSD	198.3	52.50	25.41	219.0	14.36	158.7	333.5
#1	.0002	.0338	-.0002	-.0010	-.0043	-.0024	.0057
#2	-.0000	.0737	-.0001	.0002	-.0035	.0409	-.0023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-74.56	.0440	-.0000	.0013	-.0005	-.0107
SDev	.0027	.31	.0299	.0002	.0007	.0003	.0003
%RSD	381.6	.4092	67.95	589.6	54.73	64.60	3.165
#1	-.0012	-74.77	.0229	-.0002	.0008	-.0002	-.0110
#2	.0026	-74.34	.0652	.0001	.0018	-.0007	-.0105
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0661	-.0010	-.0020	-.0130	.0001	-.0620	.0001
SDev	.0270	.0023	.0027	.0030	.0001	.0386	.0001
%RSD	40.76	238.8	130.3	22.84	197.4	62.30	108.5
#1	.0471	.0007	-.0039	-.0151	-.0000	-.0347	.0000
#2	.0852	-.0026	-.0002	-.0109	.0002	-.0894	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/06/07 12:09:01 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	-.0034	-.0023	.0006	-.0003	-.0002	.0000
SDev	.0020	.0042	.0018	.0005	.0000	.0007	.0001
%RSD	8.537	123.1	78.13	67.23	6.028	328.1	194.3
#1	.0221	-.0064	-.0036	.0004	-.0003	.0003	-.0000
#2	.0249	-.0004	-.0010	.0012	-.0002	-.0007	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0000	.0010	-.0017	6.667
SDev	.0003	.0001	.0010	.000
%RSD	638.4	6.906	60.42	.0045
#1	-.0002	.0011	-.0024	6.667
#2	.0001	.0010	-.0010	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	23534	--	--	--	--	--	--
SDev	34.68414	--	--	--	--	--	--
%RSD	.1473815	--	--	--	--	--	--
#1	23558	--	--	--	--	--	--
#2	23509	--	--	--	--	--	--

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6020

Associated Samples: 1, 3

Batch Number: 7157305 (3 parts)

QC & Sample Data

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: (SW846 6020) EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 6-8-07 Instrument: A1
Prep Batches: 7157305 (1 & 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)		✓		✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?		✓		✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓	✓		✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?				✓
4. MSD or DU run at required frequency and RPD within SOP limits?				✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6/8/07
Comments:

2nd Level Reviewer: [illegible] Date: 6/13/07
Comments:

Analyst [illegible] Date 6-6-07

Digestion Method 3020A (MS)

SOP No#: (Circle one)
AUS-IP-0002, current revision
AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) ____

Digestion Cup Lot #: A7D2LS136

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C		
D	91	7607
E		

Spiking Solutions:

0.1 ~~.05~~ mL StdsLog # 06METO858

~~.05~~ mL StdsLog # 06METO839

~~.05~~ mL StdsLog # METTSb-00001

0.1 .05 mL StdsLog # ME-MULTI-00001

____ mL StdsLog # ____

____ mL StdsLog # ____

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)		HCl (1:1)	
HNO_3 (1:4)		HCl (conc.)	
HNO3 (conc.)	HNO3 00003	H_2O_2	

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
B	NA	50	50	
C				
JX7N0				
~~B~~ XS 6/6/07				
~~D~~				
~~JX7N6~~ XS 6/6/07				
JX7RC				
JX7QH				
JX7QW				
J0A4E				
J0A5A				
JX7QC5				

664

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
JX7RCD	NA	50	50	

6/6/07

PE ICPMS (A1) Serial Dilution and Analytical Spike Recovery Calculations STL, Austin

BATCH # 7157305 *S.D. Criteria = 10%*

Work Order: JX7QC *A.S. Criteria=75-125%*

Instrument Factor: 1

AS DF 1.04

MDL (ug/L)	A. Spike (mg/L)	Element	Original Result (ug/L)	S.D. Result (ug/L)	A.S. Result (ug/L)	SD % Difference	AS % Recovery	SD Flag	A.S. <75% Flag	A.S. >125% Flag
1.181	50	Li								
0.0796	50	Be								
	50	B								
23.63	5000	Na								
6.231	5000	Mg								
19.4	5000	Al								
24.51	5000	K								
25.45	5000	Ca								
0.144	50	Ti								
0.091	50	V								
0.123	50	Cr								
13.22	5000	Fe								
3	50	Mn								
0.0789	50	Co								
0.185	50	Ni								
0.16	50	Cu	4.959	1.078	52.723	<50 x MDL	95.91			
2.653	50	Zn								
0.0983	50	As								
0.253	50	Se								
0.102	50	Sr								
0.05	50	Mo								
0.075	10	Ag								
0.05	50	Cd								
0.05	50	Sn								
0.05	50	Sb								
0.18	50	Ba								
0.05	50	Tl								
0.0954	50	Pb								

Instrument ID: ICPA1

Instrument model: ICP MS Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	500	P	N/A
Sb	10	K	500
As	10	Se	10
Ba	10	Si	N/A
Be	10	Ag	10
Bi	N/A	Na	500
B	N/A	Sr	5
Cd	10	S	N/A
Ca	800	Te	N/A
Cr	10	Tl	10
Co	10	Sn	10
Cu	10	Ti	5
Fe	500	W	N/A
Pb	10	V	5
Mg	500	Zn	5
Mn	5	U	N/A
Mo	5	Pd	N/A
Ni	10	Au	N/A

Linearity: 06/03/03

Instrument ID: ICPMS-A1 Analyst Initials: XE

Instrument Method: All MS Full S 204 (Pb) Date: 6/8/07

Result Data Set: A070608C Method/Test: 6020

Computer Clock Date/Time: 6/8/07 15:25 SOP #: AUS-MT-002

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		**Additional Standards:**			
HNO_3	HNO3-00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
—	—	ICSA	MEICSA-00016	—	—
—	—	ICSAB	MEICSAB-00015	—	—

Calibration Curve Standards:		**Analytical Spike Information:** (9.6 mL sample)		
Std. 1	MESTD1-00002	Spike #	Spike Standard ID	Volume
Std. 2	MESTD2-00002	1	07MET0188	100 µL
Std. 3	MESTD3-00003	2	07MET0189	100 µL
Std. 4	—	3	07MET0190	100 µL
Std. 5	—	4	07MET0191	100 µL
Std. 6	—	5	—	100 µL
Std. 7	—	6	—	100 µL
Curve Verification Standards:				
ICV Std.	07MET0274	Sample ID:	JX7 QC	
CCV Std.	~~MESTD~~ MECCV-00002	Sample ID:	NA	
LLCCV Std.	~~MESTD~~	Sample ID:		
	—	Sample ID:		

Comments:

Instrument ID: ICPMS-A1

XEC 6/11/07

Dataset Report

User Name: escobarx
Computer Name: AUSF5PSP11
Dataset File Path: C:\elandata\Dataset\A070608C\
Report Date/Time: Monday, June 11, 2007 10:46:23

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Descriptior
—	Blank	15:25:54 Fri 08-Jun-07	Blank	Blank.001	
—	Standard 1	15:30:56 Fri 08-Jun-07	Standard #1	Standard 1.002	
—	Standard 2	15:36:00 Fri 08-Jun-07	Standard #2	Standard 2.003	
—	Standard 3	15:41:04 Fri 08-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	15:46:07 Fri 08-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	15:51:09 Fri 08-Jun-07	QC Std #2	QC Std 2.006	
—	QC Std 4	15:56:11 Fri 08-Jun-07	QC Std #4	QC Std 4.007	
—	QC Std 5	16:01:13 Fri 08-Jun-07	QC Std #5	QC Std 5.008	
—	QC Std 6	16:09:53 Fri 08-Jun-07	QC Std #6	QC Std 6.009	
—	QC Std 7	16:19:18 Fri 08-Jun-07	QC Std #7	QC Std 7.010	
—	J0D3FB	16:28:25 Fri 08-Jun-07	Sample	J0D3FB.011	7157305
—	J0D3FC	16:33:29 Fri 08-Jun-07	Sample	J0D3FC.012	7157305
	JX7N0	16:38:32 Fri 08-Jun-07	Sample	JX7N0.013	7157305
—	JX7QC ~~ACCENT~~	16:43:35 Fri 08-Jun-07	Sample	JX7QC.014	7157305
—	SD5X	16:48:38 Fri 08-Jun-07	Sample	SD5X.015	7157305
—	AS1.0X	16:53:41 Fri 08-Jun-07	Sample	AS1.0X.016	7157305
—	JX7QCS	16:58:44 Fri 08-Jun-07	Sample	JX7QCS.017	7157305
—	JX7QCD	17:03:48 Fri 08-Jun-07	Sample	JX7QCD.018	7157305
	JX7QH	17:08:51 Fri 08-Jun-07	Sample	JX7QH.019	7157305
	JX7QW	17:13:55 Fri 08-Jun-07	Sample	JX7QW.020	7157305
—	QC Std 6 ✓	17:18:58 Fri 08-Jun-07	QC Std #6	QC Std 6.021	
—	QC Std 7 ✓	17:24:00 Fri 08-Jun-07	QC Std #7	QC Std 7.022	
— various →	J0A4E RR	17:29:03 Fri 08-Jun-07	Sample	J0A4E.023	7157305
— targets →	J0A5A RR	17:34:08 Fri 08-Jun-07	Sample	J0A5A.024	7157305
— Li, Be, Al, Ti out →	QC Std 6	17:39:11 Fri 08-Jun-07	QC Std #6	QC Std 6.025	
— Se, Ti out →	QC Std 7	17:44:13 Fri 08-Jun-07	QC Std #7	QC Std 7.026	

XEC 6/11/07

Quantitative Analysis Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00666	0.00000	0.999855
Be	9.012	Linear Thru Zero	0.00132	0.00000	0.999966
Al	26.982	Linear Thru Zero	0.01193	0.00000	0.999996
Sc	44.956	Linear Thru Zero	0.00000	0.00000	0.000000
Ti	47.948	Linear Thru Zero	0.00167	0.00000	0.999998
Fe	53.940	Linear Thru Zero	0.00017	0.00000	0.999935
Mn	54.938	Linear Thru Zero	0.00354	0.00000	0.999943
Co	58.933	Linear Thru Zero	0.00278	0.00000	0.999949
Ni	59.933	Linear Thru Zero	0.00059	0.00000	0.999994
Cu	62.930	Linear Thru Zero	0.00130	0.00000	0.999982
Cu	64.928	Linear Thru Zero	0.00062	0.00000	0.999990
Zn	65.926	Linear Thru Zero	0.00036	0.00000	0.999935
Zn	66.927	Linear Thru Zero	0.00006	0.00000	0.999902
Zn	67.925	Linear Thru Zero	0.00026	0.00000	0.999928
As	74.922	Linear Thru Zero	0.00038	0.00000	0.999993
Se	76.920	Linear Thru Zero	0.00003	0.00000	0.999998
Se	81.917	Linear Thru Zero	0.00004	0.00000	0.999980
Y	88.905	Linear Thru Zero	0.00000	0.00000	0.000000
Ag	106.905	Linear Thru Zero	0.01903	0.00000	0.999975
Ag	108.905	Linear Thru Zero	0.01814	0.00000	0.999966
Cd	110.904	Linear Thru Zero	0.00449	0.00000	0.999999
Cd	113.904	Linear Thru Zero	0.01044	0.00000	1.000000
In	114.904	Linear Thru Zero	0.00000	0.00000	0.000000
Sb	120.904	Linear Thru Zero	0.01481	0.00000	0.999995
Sb	122.904	Linear Thru Zero	0.01141	0.00000	0.999999
Ba	136.905	Linear Thru Zero	0.00515	0.00000	1.000000
Ho	164.930	Linear Thru Zero	0.00000	0.00000	0.000000
Tl	204.975	Linear Thru Zero	0.03882	0.00000	0.999999
Pb	207.977	Linear Thru Zero	0.05083	0.00000	0.999951

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Friday, June 08, 2007 15:25:54
Sample Description:
Solution Type: Blank
Blank File: C:\elandata\Dataset\A070608C\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070606A.sam
Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	148.00			ppb
Be	9	12.00			ppb
Al	27	5653.12			ppb
Sc	45	750804.58			ppb
Ti	48	-459.20			ppb
Fe	54	116802.61			ppb
Mn	55	1681.10			ppb
Co	59	50.00			ppb
Ni	60	596.01			ppb
Cu	63	502.01			ppb
Cu	65	229.00			ppb
Zn	66	3568.45			ppb
Zn	67	589.01			ppb
Zn	68	2254.18			ppb
As	75	213.93			ppb
Se	77	71.00			ppb
Se	82	24.04			ppb
Y	89	5446056.35			ppb
Ag	107	514.01			ppb
Ag	109	410.01			ppb
Cd	111	3354.83			ppb
Cd	114	34.43			ppb
In	115	665931.18			ppb

	Sb	121	79.00		ppb
	Sb	123	63.87		ppb
	Ba	137	143.00		ppb
>	Ho	165	994177.35		ppb
	Tl	205	40.00		ppb
	Pb	208	1002.01		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	166.00			ppb
	Be	9	15.00			ppb
	Al	27	6082.29			ppb
>	Sc	45	745626.68			ppb
	Ti	48	-481.34			ppb
	Fe	54	112879.58			ppb
	Mn	55	1728.10			ppb
	Co	59	55.00			ppb
	Ni	60	617.01			ppb
	Cu	63	527.01			ppb
	Cu	65	253.00			ppb
	Zn	66	3578.45			ppb
	Zn	67	587.01			ppb
	Zn	68	2292.18			ppb
	As	75	231.46			ppb
	Se	77	76.00			ppb
	Se	82	7.76			ppb
>	Y	89	5425189.71			ppb
	Ag	107	506.01			ppb
	Ag	109	392.01			ppb
	Cd	111	3390.36			ppb
	Cd	114	26.71			ppb
>	In	115	649616.81			ppb
	Sb	121	88.00			ppb
	Sb	123	60.10			ppb
	Ba	137	142.00			ppb
>	Ho	165	976103.61			ppb
	Tl	205	34.00			ppb
	Pb	208	1037.01			ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	156.00			ppb
	Be	9	15.00			ppb
	Al	27	7191.81			ppb
>	Sc	45	740820.04			ppb
	Ti	48	-351.85			ppb
	Fe	54	117941.13			ppb
	Mn	55	1738.11			ppb
	Co	59	57.00			ppb
	Ni	60	589.01			ppb
	Cu	63	542.01			ppb
	Cu	65	286.00			ppb

	Zn	66	3660.47	ppb
	Zn	67	598.01	ppb
	Zn	68	2294.18	ppb
	As	75	307.10	ppb
	Se	77	75.00	ppb
	Se	82	19.70	ppb
>	Y	89	5438376.85	ppb
	Ag	107	521.01	ppb
	Ag	109	411.01	ppb
	Cd	111	3406.47	ppb
	Cd	114	26.18	ppb
>	In	115	658066.39	ppb
	Sb	121	108.00	ppb
	Sb	123	89.49	ppb
	Ba	137	153.00	ppb
>	Ho	165	982802.30	ppb
	Tl	205	37.00	ppb
	Pb	208	1072.02	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	156.67			ppb
	Be	9	14.00			ppb
	Al	27	6309.07			ppb
>	Sc	45	745750.43			ppb
	Ti	48	-430.80			ppb
	Fe	54	115874.44			ppb
	Mn	55	1715.77			ppb
	Co	59	54.00			ppb
	Ni	60	600.68			ppb
	Cu	63	523.68			ppb
	Cu	65	256.00			ppb
	Zn	66	3602.45			ppb
	Zn	67	591.35			ppb
	Zn	68	2280.18			ppb
	As	75	250.83			ppb
	Se	77	74.00			ppb
	Se	82	17.17			ppb
>	Y	89	5436540.97			ppb
	Ag	107	513.68			ppb
	Ag	109	404.34			ppb
	Cd	111	3383.89			ppb
	Cd	114	29.11			ppb
>	In	115	657871.46			ppb
	Sb	121	91.67			ppb
	Sb	123	71.15			ppb
	Ba	137	146.00			ppb
>	Ho	165	984361.09			ppb
	Tl	205	37.00			ppb

Pb	208	1037.01	ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	9.019		
Be	9	1.732		
Al	27	794.018		
Sc	45	4993.420		
Ti	48	69.261		
Fe	54	2655.362		
Mn	55	30.439		
Co	59	3.606		
Ni	60	14.572		
Cu	63	20.208		
Cu	65	28.619		
Zn	66	50.490		
Zn	67	5.860		

	Zn	68	22.542
	As	75	49.513
	Se	77	2.646
	Se	82	8.431
>	Y	89	10553.768
	Ag	107	7.506
	Ag	109	10.693
	Cd	111	26.426
	Cd	114	4.620
>	In	115	8158.933
	Sb	121	14.844
	Sb	123	15.990
	Ba	137	6.083
>	Ho	165	9137.143
	Tl	205	3.000
	Pb	208	35.001

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Friday, June 08, 2007 15:30:56
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070608C\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070606A.sam
Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	5530.92	0.007	1.077868	ppb
	Be	9	976.03	0.001	0.975109	ppb
	Al	27	968892.70	1.286	107.740927	ppb
>	Sc	45	748680.33	748680.331		ppb
	Ti	48	8083.74	0.002	0.947096	ppb
	Fe	54	164066.54	0.009	54.406817	ppb
	Mn	55	20515.72	0.004	0.989174	ppb
	Co	59	15131.01	0.003	1.008797	ppb
	Ni	60	3494.43	0.001	0.909657	ppb
	Cu	63	7287.86	0.001	0.970916	ppb
	Cu	65	3541.44	0.001	0.980820	ppb
	Zn	66	11065.28	0.001	3.887705	ppb
	Zn	67	1797.11	0.000	3.663535	ppb
	Zn	68	7574.01	0.001	3.845395	ppb
	As	75	2067.23	0.000	0.892728	ppb
	Se	77	194.00	0.000	0.837332	ppb
	Se	82	164.10	0.000	0.743736	ppb
>	Y	89	5374931.60	5374931.604		ppb
	Ag	107	12657.61	0.019	0.974505	ppb
	Ag	109	12148.16	0.018	0.988301	ppb
	Cd	111	6205.04	0.004	0.963047	ppb
	Cd	114	6623.48	0.010	0.963819	ppb
>	In	115	655081.95	655081.954		ppb

Sb	121	9555.19	0.014	0.975169	ppb
Sb	123	7428.41	0.011	0.984219	ppb
Ba	137	4825.81	0.005	0.936796	ppb
> Ho	165	969644.21	969644.209		ppb
Tl	205	38514.85	0.040	1.022127	ppb
Pb	208	51199.79	0.052	1.017985	ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	5245.84	0.007	1.045057	ppb
Be	9	957.03	0.001	0.978317	ppb
Al	27	934566.24	1.269	106.321598	ppb
> Sc	45	731732.16	731732.157		ppb
Ti	48	7950.01	0.002	0.919988	ppb
Fe	54	165544.80	0.009	53.517843	ppb
Mn	55	20675.95	0.003	0.982581	ppb
Co	59	15024.90	0.003	0.987809	ppb
Ni	60	3545.44	0.001	0.910294	ppb
Cu	63	7233.83	0.001	0.948835	ppb
Cu	65	3281.38	0.001	0.889729	ppb
Zn	66	11219.40	0.001	3.887246	ppb
Zn	67	1808.11	0.000	3.621296	ppb
Zn	68	7707.08	0.001	3.864617	ppb
As	75	2263.63	0.000	0.973756	ppb
Se	77	227.00	0.000	1.044270	ppb
Se	82	230.28	0.000	1.062204	ppb
> Y	89	5450230.98	5450230.976		ppb
Ag	107	12895.82	0.019	0.973634	ppb
Ag	109	11874.93	0.017	0.946012	ppb
Cd	111	6127.13	0.004	0.896393	ppb
Cd	114	6614.14	0.010	0.943783	ppb
> In	115	667983.18	667983.183		ppb
Sb	121	9611.23	0.014	0.961816	ppb
Sb	123	7268.59	0.011	0.944061	ppb
Ba	137	4949.86	0.005	0.946860	ppb
> Ho	165	984308.91	984308.912		ppb
Tl	205	37567.33	0.038	0.982090	ppb
Pb	208	50506.93	0.050	0.988663	ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	5345.86	0.007	1.027966	ppb
Be	9	976.03	0.001	0.963314	ppb
Al	27	954092.71	1.251	104.811203	ppb
> Sc	45	757713.40	757713.397		ppb
Ti	48	8264.29	0.002	0.958155	ppb
Fe	54	164998.69	0.009	53.649815	ppb
Mn	55	20369.51	0.003	0.970971	ppb
Co	59	15515.42	0.003	1.024319	ppb
Ni	60	3528.44	0.001	0.909452	ppb
Cu	63	7127.78	0.001	0.937916	ppb
Cu	65	3545.44	0.001	0.971624	ppb

	Zn	66	11278.45	0.001	3.940742	ppb
	Zn	67	1772.11	0.000	3.535383	ppb
	Zn	68	7624.03	0.001	3.827416	ppb
	As	75	2081.00	0.000	0.889454	ppb
	Se	77	220.00	0.000	1.002520	ppb
	Se	82	206.11	0.000	0.945857	ppb
>	Y	89	5428258.91	5428258.906		ppb
	Ag	107	12497.46	0.018	0.957801	ppb
	Ag	109	11896.95	0.017	0.963314	ppb
	Cd	111	6233.69	0.004	0.964634	ppb
	Cd	114	6829.69	0.010	0.990118	ppb
>	In	115	657610.76	657610.760		ppb
	Sb	121	9579.21	0.014	0.973848	ppb
	Sb	123	7277.71	0.011	0.960316	ppb
	Ba	137	4876.83	0.005	0.942993	ppb
>	Ho	165	973646.12	973646.118		ppb
	Tl	205	37705.69	0.039	0.996516	ppb
	Pb	208	50826.40	0.051	1.006172	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	5374.20	0.007	1.050297	ppb
	Be	9	969.70	0.001	0.972246	ppb
	Al	27	952517.22	1.268	106.291243	ppb
>	Sc	45	746041.96	746041.962		ppb
	Ti	48	8099.35	0.002	0.941746	ppb
	Fe	54	164870.01	0.009	53.858158	ppb
	Mn	55	20520.39	0.003	0.980909	ppb
	Co	59	15223.78	0.003	1.006975	ppb
	Ni	60	3522.77	0.001	0.909801	ppb
	Cu	63	7216.49	0.001	0.952556	ppb
	Cu	65	3456.09	0.001	0.947391	ppb
	Zn	66	11187.71	0.001	3.905231	ppb
	Zn	67	1792.45	0.000	3.606738	ppb
	Zn	68	7635.04	0.001	3.845809	ppb
	As	75	2137.29	0.000	0.918646	ppb
	Se	77	213.67	0.000	0.961374	ppb
	Se	82	200.16	0.000	0.917266	ppb
>	Y	89	5417807.16	5417807.162		ppb
	Ag	107	12683.63	0.018	0.968647	ppb
	Ag	109	11973.35	0.018	0.965876	ppb
	Cd	111	6188.62	0.004	0.941358	ppb
	Cd	114	6689.10	0.010	0.965907	ppb
>	In	115	660225.30	660225.299		ppb
	Sb	121	9581.88	0.014	0.970278	ppb
	Sb	123	7324.91	0.011	0.962865	ppb
	Ba	137	4884.17	0.005	0.942216	ppb
>	Ho	165	975866.41	975866.413		ppb
	Tl	205	37929.29	0.039	1.000244	ppb

Pb	208	50844.38	0.051	1.004273	ppb

Relative Std. Dev.

Net Intens. RSD
2.415
0.813
1.378
1.768
2.085
0.891
0.940
1.820
0.048
1.765
5.293
0.788
1.811
0.484
5.198
11.383
17.568
0.715
0.971
2.201
4.138
2.406
1.035
0.758
2.098
0.539
0.777
2.027
1.469

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	144.638	0.000	0.025
Be	9	10.970	0.000	0.008
Al	27	17217.379	0.017	1.465
Sc	45	13190.032	13190.032	
Ti	48	157.722	0.000	0.020
Fe	54	747.480	0.000	0.480
Mn	55	153.273	0.000	0.009
Co	59	258.085	0.000	0.018
Ni	60	25.974	0.000	0.000
Cu	63	81.437	0.000	0.017
Cu	65	151.315	0.000	0.050
Zn	66	110.060	0.000	0.031
Zn	67	18.450	0.000	0.065

	Zn	68	67.215	0.000	0.019
	As	75	109.631	0.000	0.048
	Se	77	17.388	0.000	0.109
	Se	82	33.489	0.000	0.161
>	Y	89	38722.449	38722.449	
	Ag	107	200.448	0.000	0.009
	Ag	109	151.793	0.000	0.021
	Cd	111	55.144	0.000	0.039
	Cd	114	121.838	0.000	0.023
>	In	115	6836.467	6836.467	
	Sb	121	28.114	0.000	0.007
	Sb	123	89.757	0.000	0.020
	Ba	137	62.346	0.000	0.005
>	Ho	165	7580.281	7580.281	
	Tl	205	511.805	0.001	0.020
	Pb	208	346.781	0.001	0.015

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Friday, June 08, 2007 15:36:00
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070608C\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070606A.sam
Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	106525.29	0.149	22.332140	ppb
	Be	9	20394.55	0.028	21.622648	ppb
	Al	27	17876075.28	24.982	2093.494126	ppb
>	Sc	45	715324.70	715324.702		ppb
	Ti	48	183810.77	0.035	20.868199	ppb
	Fe	54	227064.25	0.022	128.073291	ppb
	Mn	55	403229.60	0.076	21.481506	ppb
	Co	59	313570.06	0.059	21.348989	ppb
	Ni	60	66275.38	0.012	20.967783	ppb
	Cu	63	146781.21	0.028	21.349731	ppb
	Cu	65	68766.11	0.013	20.799753	ppb
	Zn	66	41967.55	0.007	20.284538	ppb
	Zn	67	7108.77	0.001	20.094383	ppb
	Zn	68	29573.58	0.005	20.127708	ppb
	As	75	40419.40	0.008	20.064868	ppb
	Se	77	2987.31	0.001	20.560546	ppb
	Se	82	3821.78	0.001	19.576577	ppb
>	Y	89	5281152.02	5281152.023		ppb
	Ag	107	258782.86	0.402	21.118424	ppb
	Ag	109	247088.52	0.384	21.154165	ppb
	Cd	111	62373.53	0.092	20.444941	ppb
	Cd	114	137513.70	0.214	20.478196	ppb
>	In	115	642796.53	642796.526		ppb

	Sb	121	197210.89	0.307	20.699740	ppb
	Sb	123	150558.98	0.234	20.515688	ppb
	Ba	137	99949.43	0.106	20.516016	ppb
>	Ho	165	943854.02	943854.022		ppb
	Tl	205	755399.56	0.800	20.613496	ppb
	Pb	208	1029776.53	1.090	21.441572	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	106408.51	0.142	21.391720	ppb
	Be	9	20081.10	0.027	20.416636	ppb
	Al	27	17778498.82	23.826	1996.669660	ppb
>	Sc	45	745906.74	745906.744		ppb
	Ti	48	180709.21	0.034	20.195442	ppb
	Fe	54	228234.90	0.021	125.373912	ppb
	Mn	55	404299.20	0.075	21.199100	ppb
	Co	59	313260.37	0.058	20.992932	ppb
	Ni	60	65465.66	0.012	20.381208	ppb
	Cu	63	144601.15	0.027	20.700106	ppb
	Cu	65	69357.96	0.013	20.648794	ppb
	Zn	66	41402.91	0.007	19.643965	ppb
	Zn	67	7100.76	0.001	19.726872	ppb
	Zn	68	28911.23	0.005	19.306410	ppb
	As	75	39867.39	0.007	19.476517	ppb
	Se	77	2912.30	0.001	19.708995	ppb
	Se	82	3762.67	0.001	18.968497	ppb
>	Y	89	5365405.39	5365405.388		ppb
	Ag	107	254976.33	0.389	20.449264	ppb
	Ag	109	245858.58	0.375	20.686756	ppb
	Cd	111	61171.93	0.088	19.665529	ppb
	Cd	114	134733.04	0.206	19.719495	ppb
>	In	115	654024.65	654024.650		ppb
	Sb	121	195706.42	0.299	20.188938	ppb
	Sb	123	148733.63	0.227	19.918747	ppb
	Ba	137	100084.37	0.102	19.696983	ppb
>	Ho	165	984370.98	984370.977		ppb
	Tl	205	753279.92	0.765	19.709536	ppb
	Pb	208	1035674.50	1.051	20.676043	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	106029.40	0.142	21.377190	ppb
	Be	9	20033.04	0.027	20.426733	ppb
	Al	27	17713905.96	23.808	1995.173770	ppb
>	Sc	45	743753.73	743753.731		ppb
	Ti	48	178601.12	0.033	19.532203	ppb
	Fe	54	222539.83	0.019	113.835325	ppb
	Mn	55	400097.35	0.073	20.524838	ppb
	Co	59	315466.12	0.058	20.686096	ppb
	Ni	60	64673.06	0.012	19.695279	ppb
	Cu	63	141109.49	0.026	19.762537	ppb
	Cu	65	68303.90	0.012	19.894966	ppb

	Zn	66	40885.42	0.007	18.919056	ppb
	Zn	67	7124.78	0.001	19.335808	ppb
	Zn	68	29636.71	0.005	19.370274	ppb
	As	75	40553.68	0.007	19.385204	ppb
	Se	77	2980.31	0.001	19.736254	ppb
	Se	82	3962.77	0.001	19.550292	ppb
>	Y	89	5483315.88	5483315.882		ppb
	Ag	107	258659.66	0.391	20.540580	ppb
	Ag	109	247440.54	0.374	20.614732	ppb
	Cd	111	61318.15	0.088	19.509866	ppb
	Cd	114	137274.64	0.208	19.893679	ppb
>	In	115	660528.90	660528.899		ppb
	Sb	121	196160.58	0.297	20.036456	ppb
	Sb	123	149921.20	0.227	19.880064	ppb
	Ba	137	99329.12	0.103	19.996591	ppb
>	Ho	165	962326.40	962326.395		ppb
	Tl	205	749929.35	0.779	20.071377	ppb
	Pb	208	1020401.48	1.059	20.837951	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	106321.07	0.145	21.700350	ppb
	Be	9	20169.56	0.027	20.822005	ppb
	Al	27	17789493.35	24.205	2028.445852	ppb
>	Sc	45	734995.06	734995.059		ppb
	Ti	48	181040.37	0.034	20.198615	ppb
	Fe	54	225946.33	0.021	122.427509	ppb
	Mn	55	402542.05	0.075	21.068481	ppb
	Co	59	314098.85	0.058	21.009339	ppb
	Ni	60	65471.37	0.012	20.348090	ppb
	Cu	63	144163.95	0.027	20.604125	ppb
	Cu	65	68809.32	0.013	20.447838	ppb
	Zn	66	41418.63	0.007	19.615853	ppb
	Zn	67	7111.44	0.001	19.719021	ppb
	Zn	68	29373.84	0.005	19.601464	ppb
	As	75	40280.16	0.007	19.642196	ppb
	Se	77	2959.97	0.001	20.001931	ppb
	Se	82	3849.07	0.001	19.365122	ppb
>	Y	89	5376624.43	5376624.431		ppb
	Ag	107	257472.95	0.394	20.702756	ppb
	Ag	109	246795.88	0.378	20.818551	ppb
	Cd	111	61621.20	0.089	19.873445	ppb
	Cd	114	136507.13	0.209	20.030457	ppb
>	In	115	652450.02	652450.025		ppb
	Sb	121	196359.30	0.301	20.308378	ppb
	Sb	123	149737.94	0.229	20.104833	ppb
	Ba	137	99787.64	0.103	20.069863	ppb
>	Ho	165	963517.13	963517.131		ppb
	Tl	205	752869.61	0.782	20.131470	ppb

Pb	208	1028617.50	1.067	20.985189	ppb

Relative Std. Dev.

Net Intens. RSD
2.522
3.330
2.777
2.322
3.307
6.177
2.333
1.579
3.130
3.873
2.370
3.483
1.924
2.331
1.878
2.420
1.775
1.889
1.753
1.407
2.521
1.984
1.375
1.711
1.772
2.065
2.105
2.260
1.923

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	259.250	0.004	0.547
Be	9	196.319	0.001	0.693
Al	27	81641.790	0.672	56.338
> Sc	45	17069.009	17069.009	
Ti	48	2620.566	0.001	0.668
Fe	54	3007.617	0.001	7.562
Mn	55	2183.671	0.002	0.492
Co	59	1194.173	0.001	0.332
Ni	60	801.175	0.000	0.637
Cu	63	2861.024	0.001	0.798
Cu	65	528.357	0.000	0.485
Zn	66	541.237	0.000	0.683
Zn	67	12.226	0.000	0.379

	Zn	68	401.876	0.000	0.457
	As	75	363.718	0.000	0.369
	Se	77	41.437	0.000	0.484
	Se	82	102.805	0.000	0.344
>	Y	89	101547.804	101547.804	
	Ag	107	2163.016	0.007	0.363
	Ag	109	830.592	0.005	0.293
	Cd	111	655.625	0.002	0.501
	Cd	114	1541.045	0.004	0.397
>	In	115	8970.443	8970.443	
	Sb	121	771.673	0.005	0.347
	Sb	123	926.368	0.004	0.356
	Ba	137	402.778	0.002	0.414
>	Ho	165	20284.706	20284.706	
	Tl	205	2758.088	0.018	0.455
	Pb	208	7702.196	0.021	0.403

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Friday, June 08, 2007 15:41:04
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070608C\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070606A.sam
Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	491016.69	0.686	102.970787	ppb
|	Be	9	96056.86	0.134	101.814257	ppb
|	Al	27	86671942.61	121.061	10145.067080	ppb
⌊>	Sc	45	715884.74	715884.736		ppb
⌈	Ti	48	871143.55	0.171	102.504606	ppb
|	Fe	54	1880107.22	0.348	2057.606958	ppb
|	Mn	55	1847547.95	0.363	102.531142	ppb
|	Co	59	1449478.12	0.285	102.479812	ppb
|	Ni	60	311583.29	0.061	103.075971	ppb
|	Cu	63	678263.06	0.133	102.716555	ppb
|	Cu	65	328000.72	0.064	103.309700	ppb
|	Zn	66	191780.71	0.037	103.156330	ppb
|	Zn	67	33061.21	0.006	103.798272	ppb
|	Zn	68	136070.96	0.026	102.312830	ppb
|	As	75	196541.01	0.039	101.796568	ppb
|	Se	77	14446.30	0.003	105.275945	ppb
|	Se	82	18923.77	0.004	101.003416	ppb
⌊>	Y	89	5086303.52	5086303.519		ppb
⌈	Ag	107	1190019.23	1.917	100.732430	ppb
|	Ag	109	1126843.93	1.815	100.041019	ppb
|	Cd	111	284616.18	0.453	100.884257	ppb
|	Cd	114	651703.46	1.050	100.528777	ppb
|>	In	115	620655.22	620655.215		ppb

	Sb	121	930716.72	1.499	101.211895	ppb
	Sb	123	716313.41	1.154	101.126627	ppb
	Ba	137	484667.45	0.524	101.695675	ppb
>	Ho	165	924367.73	924367.728		ppb
	Tl	205	3588189.03	3.882	99.983075	ppb
	Pb	208	4719046.70	5.104	100.405590	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	472183.88	0.665	99.894991	ppb
	Be	9	92488.43	0.130	98.897356	ppb
	Al	27	83028286.60	116.996	9804.383311	ppb
>	Sc	45	709617.36	709617.364		ppb
	Ti	48	856754.46	0.167	99.659894	ppb
	Fe	54	1832323.93	0.335	1977.775951	ppb
	Mn	55	1802694.32	0.350	98.894684	ppb
	Co	59	1419411.11	0.276	99.206245	ppb
	Ni	60	302481.79	0.059	98.913187	ppb
	Cu	63	661051.76	0.128	98.962466	ppb
	Cu	65	318021.86	0.062	99.018009	ppb
	Zn	66	186966.52	0.036	99.349832	ppb
	Zn	67	31902.58	0.006	98.933792	ppb
	Zn	68	134304.36	0.026	99.790069	ppb
	As	75	196507.32	0.038	100.613729	ppb
	Se	77	14163.02	0.003	102.015561	ppb
	Se	82	19021.90	0.004	100.365507	ppb
>	Y	89	5145144.97	5145144.971		ppb
	Ag	107	1174670.63	1.872	98.389505	ppb
	Ag	109	1128813.69	1.799	99.164642	ppb
	Cd	111	283457.37	0.447	99.403242	ppb
	Cd	114	655351.23	1.045	100.031307	ppb
>	In	115	627232.95	627232.952		ppb
	Sb	121	925107.38	1.475	99.546743	ppb
	Sb	123	710329.06	1.132	99.229955	ppb
	Ba	137	477131.02	0.510	99.000735	ppb
>	Ho	165	934758.21	934758.210		ppb
	Tl	205	3599815.99	3.851	99.192065	ppb
	Pb	208	4709375.90	5.037	99.085765	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	447412.67	0.640	96.112503	ppb
	Be	9	90990.86	0.130	98.796016	ppb
	Al	27	83676620.30	119.727	10033.293361	ppb
>	Sc	45	698843.25	698843.253		ppb
	Ti	48	853345.34	0.163	97.718080	ppb
	Fe	54	1846441.43	0.332	1960.963603	ppb
	Mn	55	1813439.25	0.347	97.933658	ppb
	Co	59	1420097.56	0.272	97.708130	ppb
	Ni	60	303830.97	0.058	97.804694	ppb
	Cu	63	664713.96	0.127	97.959928	ppb
	Cu	65	317795.91	0.061	97.405167	ppb

	Zn	66	187182.32	0.035	97.888541	ppb
	Zn	67	31992.78	0.006	97.645513	ppb
	Zn	68	134437.61	0.025	98.309352	ppb
	As	75	194054.52	0.037	97.806826	ppb
	Se	77	14235.09	0.003	100.932195	ppb
	Se	82	19063.00	0.004	99.014485	ppb
>	Y	89	5226556.73	5226556.727		ppb
	Ag	107	1182612.45	1.911	100.457352	ppb
	Ag	109	1125848.88	1.820	100.304232	ppb
	Cd	111	280577.61	0.449	99.790193	ppb
	Cd	114	642274.68	1.038	99.422665	ppb
>	In	115	618480.45	618480.450		ppb
	Sb	121	907713.03	1.468	99.057227	ppb
	Sb	123	702899.11	1.136	99.581632	ppb
	Ba	137	472493.64	0.512	99.263406	ppb
>	Ho	165	923224.22	923224.220		ppb
	Tl	205	3611094.83	3.911	100.745971	ppb
	Pb	208	4690297.33	5.079	99.917403	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	470204.41	0.664	99.659427	ppb
	Be	9	93178.71	0.132	99.835876	ppb
	Al	27	84458949.84	119.262	9994.247917	ppb
>	Sc	45	708115.12	708115.118		ppb
	Ti	48	860414.45	0.167	99.960860	ppb
	Fe	54	1852957.53	0.338	1998.782171	ppb
	Mn	55	1821227.17	0.353	99.786495	ppb
	Co	59	1429662.26	0.278	99.798062	ppb
	Ni	60	305965.35	0.059	99.931284	ppb
	Cu	63	668009.59	0.130	99.879650	ppb
	Cu	65	321272.83	0.062	99.910959	ppb
	Zn	66	188643.19	0.036	100.131568	ppb
	Zn	67	32318.86	0.006	100.125859	ppb
	Zn	68	134937.65	0.026	100.137417	ppb
	As	75	195700.95	0.038	100.072374	ppb
	Se	77	14281.47	0.003	102.741234	ppb
	Se	82	19002.89	0.004	100.127803	ppb
>	Y	89	5152668.41	5152668.406		ppb
	Ag	107	1182434.10	1.900	99.859762	ppb
	Ag	109	1127168.83	1.811	99.836631	ppb
	Cd	111	282883.72	0.450	100.025897	ppb
	Cd	114	649776.46	1.044	99.994250	ppb
>	In	115	622122.87	622122.872		ppb
	Sb	121	921179.04	1.481	99.938622	ppb
	Sb	123	709847.19	1.141	99.979405	ppb
	Ba	137	478097.37	0.515	99.986605	ppb
>	Ho	165	927450.05	927450.053		ppb
	Tl	205	3599699.95	3.881	99.973704	ppb

Pb	208	4706239.98	5.073	99.802920	ppb

Relative Std. Dev.

Net Intens. RSD
3.447
1.717
1.738
1.217
2.408
2.583
2.430
2.445
2.781
2.510
3.055
2.716
3.241
2.021
2.048
2.201
1.014
1.367
1.282
0.598
0.768
0.554
0.733
1.130
1.009
1.486
0.685
0.777
0.669

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	21869.303	0.023	3.435
Be	9	2602.589	0.002	1.714
Al	27	1943730.151	2.072	173.666
> Sc	45	8619.489	8619.489	
Ti	48	9446.729	0.004	2.407
Fe	54	24549.039	0.009	51.633
Mn	55	23419.024	0.009	2.425
Co	59	17164.469	0.007	2.440
Ni	60	4911.825	0.002	2.779
Cu	63	9066.589	0.003	2.507
Cu	65	5827.618	0.002	3.052
Zn	66	2719.319	0.001	2.720
Zn	67	644.476	0.000	3.245

	Zn	68	983.741	0.001	2.024
	As	75	1425.951	0.001	2.049
	Se	77	147.227	0.000	2.261
	Se	82	71.532	0.000	1.016
>	Y	89	70428.632	70428.632	
	Ag	107	7675.852	0.024	1.281
	Ag	109	1508.873	0.011	0.597
	Cd	111	2079.497	0.003	0.768
	Cd	114	6747.893	0.006	0.554
>	In	115	4557.092	4557.092	
	Sb	121	11994.425	0.017	1.130
	Sb	123	6720.118	0.012	1.009
	Ba	137	6144.166	0.008	1.486
>	Ho	165	6354.823	6354.823	
	Tl	205	11453.342	0.030	0.777
	Pb	208	14628.984	0.034	0.667

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Friday, June 08, 2007 15:25:54
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	156.667				ppb
	Be	9	14.000				ppb
	Al	27	6309.074				ppb
>	Sc	45	745750.430				ppb
	Ti	48	-430.796				ppb
	Fe	54	115874.443				ppb
	Mn	55	1715.770				ppb
	Co	59	54.000				ppb
	Ni	60	600.679				ppb
	Cu	63	523.676				ppb
	Cu	65	256.002				ppb
	Zn	66	3602.454				ppb
	Zn	67	591.346				ppb
	Zn	68	2280.182				ppb
	As	75	250.828				ppb
	Se	77	74.000				ppb
	Se	82	17.169				ppb
>	Y	89	5436540.970				ppb
	Ag	107	513.676				ppb
	Ag	109	404.339				ppb
	Cd	111	3383.888				ppb
	Cd	114	29.106				ppb
>	In	115	657871.461				ppb
	Sb	121	91.667				ppb
	Sb	123	71.154				ppb
	Ba	137	146.001				ppb
>	Ho	165	984361.089				ppb
	Tl	205	37.000				ppb
	Pb	208	1037.014				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Friday, June 08, 2007 15:30:56
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	5374.205	**1.050**	0.03	2.4	ppb
	Be	9	969.700	**0.972**	0.01	0.8	ppb
	Al	27	952517.219	**106.291**	1.47	1.4	ppb
>	Sc	45	746041.962				ppb
	Ti	48	8099.347	**0.942**	0.02	2.1	ppb
	Fe	54	164870.010	**53.858**	0.48	0.9	ppb
	Mn	55	20520.395	**0.981**	0.01	0.9	ppb
	Co	59	15223.776	**1.007**	0.02	1.8	ppb
	Ni	60	3522.768	**0.910**	0.00	0.0	ppb
	Cu	63	7216.489	**0.953**	0.02	1.8	ppb
	Cu	65	3456.085	**0.947**	0.05	5.3	ppb
	Zn	66	11187.713	**3.905**	0.03	0.8	ppb
	Zn	67	1792.446	**3.607**	0.07	1.8	ppb
	Zn	68	7635.040	**3.846**	0.02	0.5	ppb
	As	75	2137.287	**0.919**	0.05	5.2	ppb
	Se	77	213.668	**0.961**	0.11	11.4	ppb
	Se	82	200.165	**0.917**	0.16	17.6	ppb
>	Y	89	5417807.162				ppb
	Ag	107	12683.629	**0.969**	0.01	1.0	ppb
	Ag	109	11973.349	**0.966**	0.02	2.2	ppb
	Cd	111	6188.620	**0.941**	0.04	4.1	ppb
	Cd	114	6689.105	**0.966**	0.02	2.4	ppb
>	In	115	660225.299				ppb
	Sb	121	9581.879	**0.970**	0.01	0.8	ppb
	Sb	123	7324.906	**0.963**	0.02	2.1	ppb
	Ba	137	4884.168	**0.942**	0.01	0.5	ppb
>	Ho	165	975866.413				ppb
	Tl	205	37929.291	**1.000**	0.02	2.0	ppb
	Pb	208	50844.375	**1.004**	0.01	1.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					
Ba	137					
Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Friday, June 08, 2007 15:36:00
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	106321.068	**21.700**	0.55	2.5	ppb
	Be	9	20169.563	**20.822**	0.69	3.3	ppb
	Al	27	17789493.354	**2028.446**	56.34	2.8	ppb
>	Sc	45	734995.059				ppb
	Ti	48	181040.368	**20.199**	0.67	3.3	ppb
	Fe	54	225946.328	**122.428**	7.56	6.2	ppb
	Mn	55	402542.049	**21.068**	0.49	2.3	ppb
	Co	59	314098.851	**21.009**	0.33	1.6	ppb
	Ni	60	65471.366	**20.348**	0.64	3.1	ppb
	Cu	63	144163.950	**20.604**	0.80	3.9	ppb
	Cu	65	68809.324	**20.448**	0.48	2.4	ppb
	Zn	66	41418.629	**19.616**	0.68	3.5	ppb
	Zn	67	7111.436	**19.719**	0.38	1.9	ppb
	Zn	68	29373.838	**19.601**	0.46	2.3	ppb
	As	75	40280.158	**19.642**	0.37	1.9	ppb
	Se	77	2959.973	**20.002**	0.48	2.4	ppb
	Se	82	3849.073	**19.365**	0.34	1.8	ppb
>	Y	89	5376624.431				ppb
	Ag	107	257472.949	**20.703**	0.36	1.8	ppb
	Ag	109	246795.880	**20.819**	0.29	1.4	ppb
	Cd	111	61621.202	**19.873**	0.50	2.5	ppb
	Cd	114	136507.127	**20.030**	0.40	2.0	ppb
>	In	115	652450.025				ppb
	Sb	121	196359.296	**20.308**	0.35	1.7	ppb
	Sb	123	149737.936	**20.105**	0.36	1.8	ppb
	Ba	137	99787.639	**20.070**	0.41	2.1	ppb
>	Ho	165	963517.131				ppb
	Tl	205	752869.610	**20.131**	0.45	2.3	ppb
	Pb	208	1028617.504	**20.985**	0.40	1.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					
Ba	137					
Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Friday, June 08, 2007 15:41:04
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	470204.413	**99.659**	3.44	3.4	ppb
	Be	9	93178.715	**99.836**	1.71	1.7	ppb
	Al	27	84458949.838	**9994.248**	173.67	1.7	ppb
>	Sc	45	708115.118				ppb
	Ti	48	860414.448	**99.961**	2.41	2.4	ppb
	Fe	54	1852957.527	**1998.782**	51.63	2.6	ppb
	Mn	55	1821227.174	**99.786**	2.43	2.4	ppb
	Co	59	1429662.265	**99.798**	2.44	2.4	ppb
	Ni	60	305965.347	**99.931**	2.78	2.8	ppb
	Cu	63	668009.593	**99.880**	2.51	2.5	ppb
	Cu	65	321272.831	**99.911**	3.05	3.1	ppb
	Zn	66	188643.185	**100.132**	2.72	2.7	ppb
	Zn	67	32318.859	**100.126**	3.24	3.2	ppb
	Zn	68	134937.646	**100.137**	2.02	2.0	ppb
	As	75	195700.951	**100.072**	2.05	2.0	ppb
	Se	77	14281.469	**102.741**	2.26	2.2	ppb
	Se	82	19002.888	**100.128**	1.02	1.0	ppb
>	Y	89	5152668.406				ppb
	Ag	107	1182434.102	**99.860**	1.28	1.3	ppb
	Ag	109	1127168.835	**99.837**	0.60	0.6	ppb
	Cd	111	282883.719	**100.026**	0.77	0.8	ppb
	Cd	114	649776.457	**99.994**	0.55	0.6	ppb
>	In	115	622122.872				ppb
	Sb	121	921179.042	**99.939**	1.13	1.1	ppb
	Sb	123	709847.192	**99.979**	1.01	1.0	ppb
	Ba	137	478097.369	**99.987**	1.49	1.5	ppb
>	Ho	165	927450.053				ppb
	Tl	205	3599699.949	**99.974**	0.78	0.8	ppb
	Pb	208	4706239.976	**99.803**	0.67	0.7	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, June 08, 2007 15:56:11
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	493.340	**0.085**	0.00	1.0	ppb
	Be	9	26.667	**0.018**	0.00	12.3	ppb
	Al	27	388962540.528	**51334.135**	858.52	1.7	ppb
>	Sc	45	634927.686				ppb
	Ti	48	8494150.692	**1096.155**	10.36	0.9	ppb
	Fe	54	95774077.583	**121904.941**	654.10	0.5	ppb
	Mn	55	7301.532	**0.356**	0.00	0.5	ppb
	Co	59	4906.177	**0.377**	0.02	6.5	ppb
	Ni	60	8997.833	**3.086**	0.06	2.0	ppb
	Cu	63	21694.816	**3.532**	0.10	2.8	ppb
	Cu	65	9416.103	**3.181**	0.06	1.8	ppb
	Zn	66	22677.320	**11.778**	0.25	2.1	ppb
	Zn	67	3602.788	**10.855**	0.30	2.8	ppb
	Zn	68	12967.216	**9.239**	0.15	1.6	ppb
	As	75	488.769	**0.157**	0.06	36.7	ppb
	Se	77	1285.058	**9.816**	0.12	1.2	ppb
	Se	82	-53.226	**-0.395**	0.22	54.6	ppb
>	Y	89	4636310.656				ppb
	Ag	107	1814.449	**0.129**	0.01	6.4	ppb
	Ag	109	1646.428	**0.128**	0.01	9.3	ppb
	Cd	111	4321.370	**0.574**	0.04	6.2	ppb
	Cd	114	11234.818	**1.918**	0.02	0.9	ppb
>	In	115	559700.171				ppb
	Sb	121	747.020	**0.081**	0.01	11.5	ppb
	Sb	123	554.859	**0.077**	0.01	10.3	ppb
	Ba	137	2870.288	**0.626**	0.01	1.3	ppb
>	Ho	165	850744.293				ppb
	Tl	205	748.686	**0.022**	0.00	4.3	ppb
	Pb	208	16340.317	**0.357**	0.00	0.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	102.7				
> Sc	45		85.1			
Ti	48					
Fe	54	97.5				
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		85.3			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		85.1			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		86.4			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	9Be	Q
QC Std 4	60Ni	Q
QC Std 4	66Zn	Q
QC Std 4	67Zn	Q
QC Std 4	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Friday, June 08, 2007 16:01:13
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 5.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	547.009	**0.094**	0.01	7.7	ppb
	Be	9	24.333	**0.014**	0.00	26.2	ppb
	Al	27	S	**S**	S	S	ppb
>	Sc	45	655781.718				ppb
	Ti	48	9085816.488	**1122.280**	32.91	2.9	ppb
	Fe	54	101693970.811	**123912.715**	4011.10	3.2	ppb
	Mn	55	685513.512	**39.899**	1.26	3.2	ppb
	Co	59	498127.099	**36.982**	0.97	2.6	ppb
	Ni	60	107390.816	**37.194**	1.30	3.5	ppb
	Cu	63	231368.552	**36.750**	1.07	2.9	ppb
	Cu	65	110983.120	**36.664**	1.20	3.3	ppb
	Zn	66	40018.307	**21.165**	0.70	3.3	ppb
	Zn	67	7358.895	**22.913**	0.95	4.2	ppb
	Zn	68	24760.774	**18.234**	0.60	3.3	ppb
	As	75	34711.345	**18.782**	0.59	3.1	ppb
	Se	77	3908.535	**29.554**	1.40	4.8	ppb
	Se	82	3350.047	**18.707**	0.54	2.9	ppb
>	Y	89	4845759.523				ppb
	Ag	107	102637.742	**9.246**	0.38	4.1	ppb
	Ag	109	97954.687	**9.259**	0.29	3.1	ppb
	Cd	111	53073.186	**19.178**	0.60	3.1	ppb
	Cd	114	126962.386	**20.918**	0.68	3.3	ppb
>	In	115	581376.346				ppb
	Sb	121	568.678	**0.057**	0.00	8.1	ppb
	Sb	123	412.024	**0.053**	0.00	9.2	ppb
	Ba	137	2382.532	**0.495**	0.03	5.6	ppb
>	Ho	165	883275.360				ppb
	Tl	205	748.020	**0.021**	0.00	8.6	ppb
	Pb	208	12147.348	**0.250**	0.01	3.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	S				
> Sc	45		87.9			
Ti	48					
Fe	54	99.1				
Mn	55	99.7				
Co	59	92.5				
Ni	60	93.0				
Cu	63	91.9				
Cu	65	91.7				
Zn	66	105.8				
Zn	67	114.6				
Zn	68	91.2				
As	75	93.9				
Se	77	147.8				
Se	82	93.5				
> Y	89		89.1			
Ag	107	92.5				
Ag	109	92.6				
Cd	111	95.9				
Cd	114	104.6				
> In	115		88.4			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		89.7			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	27Al	Q
QC Std 5	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, June 08, 2007 16:09:53
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 6.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	278701.473	**53.233**	0.78	1.5	ppb
	Be	9	51972.425	**50.185**	1.02	2.0	ppb
	Al	27	47248420.667	**5039.273**	108.81	2.2	ppb
>	Sc	45	786016.903				ppb
	Ti	48	465224.483	**48.996**	0.93	1.9	ppb
	Fe	54	1075867.281	**991.904**	28.00	2.8	ppb
	Mn	55	1002755.954	**49.740**	0.99	2.0	ppb
	Co	59	749452.811	**47.411**	1.39	2.9	ppb
	Ni	60	158657.494	**46.849**	0.73	1.6	ppb
	Cu	63	350977.714	**47.518**	1.11	2.3	ppb
	Cu	65	168394.979	**47.415**	1.36	2.9	ppb
	Zn	66	102626.477	**48.416**	0.78	1.6	ppb
	Zn	67	17776.055	**49.019**	1.37	2.8	ppb
	Zn	68	74161.698	**49.055**	1.03	2.1	ppb
	As	75	103418.891	**47.860**	1.06	2.2	ppb
	Se	77	7760.441	**50.342**	1.38	2.7	ppb
	Se	82	10323.974	**49.237**	0.38	0.8	ppb
>	Y	89	5687233.257				ppb
	Ag	107	640998.227	**48.929**	0.94	1.9	ppb
	Ag	109	602862.144	**48.266**	0.91	1.9	ppb
	Cd	111	156621.025	**49.504**	0.86	1.7	ppb
	Cd	114	357718.032	**49.780**	0.99	2.0	ppb
>	In	115	688213.269				ppb
	Sb	121	505638.575	**49.606**	1.14	2.3	ppb
	Sb	123	391169.298	**49.820**	1.11	2.2	ppb
	Ba	137	254716.194	**48.418**	0.84	1.7	ppb
>	Ho	165	1020293.058				ppb
	Tl	205	1839297.153	**46.438**	0.70	1.5	ppb
	Pb	208	2587469.415	**49.872**	0.53	1.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	106.5				
Be	9	100.4				
Al	27	100.8				
> Sc	45		105.4			
Ti	48	98.0				
Fe	54	99.2				
Mn	55	99.5				
Co	59	94.8				
Ni	60	93.7				
Cu	63	95.0				
Cu	65	94.8				
Zn	66	96.8				
Zn	67	98.0				
Zn	68	98.1				
As	75	95.7				
Se	77	100.7				
Se	82	98.5				
> Y	89		104.6			
Ag	107	97.9				
Ag	109	96.5				
Cd	111	99.0				
Cd	114	99.6				
> In	115		104.6			
Sb	121	99.2				
Sb	123	99.6				
Ba	137	96.8				
> Ho	165		103.7			
Tl	205	92.9				
Pb	208	99.7				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Friday, June 08, 2007 16:19:18
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 7.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	485.674	0.062	0.01	13.0	ppb
	Be	9	16.333	0.002	0.00	218.5	ppb
	Al	27	10301.066	0.392	0.09	23.7	ppb
>	Sc	45	783639.704				ppb
	Ti	48	210.416	0.069	0.01	17.8	ppb
	Fe	54	115954.231	-6.158	3.81	61.8	ppb
	Mn	55	1811.782	0.000	0.00	643.2	ppb
	Co	59	61.333	0.000	0.00	392.2	ppb
	Ni	60	608.680	-0.007	0.01	74.8	ppb
	Cu	63	558.344	0.001	0.00	442.1	ppb
	Cu	65	294.003	0.007	0.00	66.0	ppb
	Zn	66	3540.105	-0.122	0.03	22.4	ppb
	Zn	67	787.688	0.469	0.05	9.9	ppb
	Zn	68	2307.520	-0.062	0.06	88.8	ppb
	As	75	261.196	-0.001	0.03	2248.8	ppb
	Se	77	85.667	0.051	0.05	95.3	ppb
	Se	82	20.956	0.014	0.11	782.7	ppb
>	Y	89	5721263.198				ppb
	Ag	107	725.352	0.014	0.00	8.0	ppb
	Ag	109	621.014	0.016	0.00	9.2	ppb
	Cd	111	3189.415	-0.114	0.02	21.1	ppb
	Cd	114	36.944	0.001	0.00	55.1	ppb
>	In	115	688801.856				ppb
	Sb	121	502.009	0.040	0.00	12.1	ppb
	Sb	123	391.532	0.040	0.00	11.8	ppb
	Ba	137	150.334	-0.000	0.00	431.4	ppb
>	Ho	165	1019589.072				ppb
	Tl	205	124.667	0.002	0.00	1.0	ppb
	Pb	208	1147.018	0.001	0.00	65.6	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		105.1			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se*	82					
> Y	89		105.2			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		104.7			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		103.6			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0D3FB
Sample Date/Time: Friday, June 08, 2007 16:28:25
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\J0D3FB.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	304.003	**0.027**	0.00	15.3	ppb
	Be	9	13.667	**-0.001**	0.01	529.2	ppb
	Al	27	29495.150	**2.446**	0.76	31.1	ppb
>	Sc	45	780811.655				ppb
	Ti	48	-35.927	**0.044**	0.00	4.8	ppb
	Fe	54	111046.808	**-8.815**	1.53	17.4	ppb
	Mn	55	1541.750	**-0.011**	0.00	19.7	ppb
	Co	59	58.333	**0.000**	0.00	204.4	ppb
	Ni	60	497.009	**-0.037**	0.01	23.4	ppb
	Cu	63	454.674	**-0.012**	0.00	15.4	ppb
	Cu	65	263.002	**-0.000**	0.01	4572.3	ppb
	Zn	66	7170.132	**1.719**	0.05	3.0	ppb
	Zn	67	1270.056	**1.916**	0.15	8.0	ppb
	Zn	68	4874.165	**1.752**	0.10	5.9	ppb
	As	75	164.515	**-0.044**	0.01	31.7	ppb
	Se	77	129.334	**0.353**	0.04	11.5	ppb
	Se	82	12.615	**-0.024**	0.06	251.1	ppb
>	Y	89	5603183.639				ppb
	Ag	107	248.669	**-0.022**	0.00	6.9	ppb
	Ag	109	165.334	**-0.021**	0.00	5.8	ppb
	Cd	111	3147.942	**-0.122**	0.01	11.1	ppb
	Cd	114	42.756	**0.002**	0.00	77.2	ppb
>	In	115	684663.450				ppb
	Sb	121	225.002	**0.013**	0.00	25.1	ppb
	Sb	123	169.318	**0.012**	0.00	30.9	ppb
	Ba	137	121.334	**-0.006**	0.00	33.4	ppb
>	Ho	165	1027427.367				ppb
	Tl	205	81.000	**0.001**	0.00	19.5	ppb
	Pb	208	824.676	**-0.005**	0.00	11.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		104.7			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		103.1			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		104.1			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		104.4			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0D3FC
Sample Date/Time: Friday, June 08, 2007 16:33:29
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\J0D3FC.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	294.336	**0.023**	0.00	13.0	ppb
	Be	9	104871.198	**98.583**	1.00	1.0	ppb
	Al	27	95255578.441	**9889.264**	194.85	2.0	ppb
>	Sc	45	807231.889				ppb
	Ti	48	916248.036	**95.789**	1.83	1.9	ppb
	Fe	54	9502097.582	**9678.291**	104.36	1.1	ppb
	Mn	55	1931149.888	**95.204**	0.36	0.4	ppb
	Co	59	1454292.667	**91.349**	1.48	1.6	ppb
	Ni	60	306795.860	**90.147**	1.44	1.6	ppb
	Cu	63	673646.692	**90.626**	1.15	1.3	ppb
	Cu	65	328610.502	**91.943**	0.43	0.5	ppb
	Zn	66	207027.422	**98.851**	0.46	0.5	ppb
	Zn	67	35055.964	**97.675**	1.13	1.2	ppb
	Zn	68	148315.299	**99.024**	1.16	1.2	ppb
	As	75	201585.696	**92.749**	1.10	1.2	ppb
	Se	77	15348.909	**99.349**	2.17	2.2	ppb
	Se	82	20475.583	**97.090**	1.55	1.6	ppb
>	Y	89	5725338.121				ppb
	Ag	107	251653.387	**19.071**	0.25	1.3	ppb
	Ag	109	239003.440	**19.003**	0.19	1.0	ppb
	Cd	111	302416.111	**96.081**	1.11	1.2	ppb
	Cd	114	697314.896	**96.469**	0.56	0.6	ppb
>	In	115	692048.010				ppb
	Sb	121	978856.954	**95.467**	1.06	1.1	ppb
	Sb	123	761190.346	**96.377**	0.95	1.0	ppb
	Ba	137	499516.717	**94.537**	0.84	0.9	ppb
>	Ho	165	1024855.767				ppb
	Tl	205	3723233.474	**93.578**	0.95	1.0	ppb
	Pb	208	4956092.784	**95.112**	0.71	0.7	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		108.2			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		105.3			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		105.2			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		104.1			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JX7QC
Sample Date/Time: Friday, June 08, 2007 16:43:35
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\JX7QC.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	75915.292	**14.885**	0.41	2.8	ppb
	Be	9	259.002	**0.243**	0.01	2.4	ppb
	Al	27	28460715.597	**3120.166**	87.09	2.8	ppb
>	Sc	45	764474.712				ppb
	Ti	48	1578822.835	**172.437**	2.02	1.2	ppb
	Fe	54	2223167.267	**2271.162**	31.97	1.4	ppb
	Mn	55	2508289.463	**129.250**	0.21	0.2	ppb
	Co	59	38111.438	**2.498**	0.01	0.6	ppb
	Ni	60	16744.141	**4.966**	0.07	1.5	ppb
	Cu	63	39230.461	**5.445**	0.03	0.6	ppb
	Cu	65	17204.353	**4.959**	0.02	0.4	ppb
	Zn	66	37516.866	**17.225**	0.22	1.3	ppb
	Zn	67	14909.777	**42.431**	0.28	0.6	ppb
	Zn	68	55177.692	**37.500**	0.17	0.4	ppb
	As	75	9635.062	**4.517**	0.01	0.2	ppb
	Se	77	569.345	**3.364**	0.11	3.4	ppb
	Se	82	160.364	**0.709**	0.10	13.8	ppb
>	Y	89	5478820.462				ppb
	Ag	107	485.008	**-0.001**	0.00	148.5	ppb
	Ag	109	322.337	**-0.006**	0.00	14.8	ppb
	Cd	111	3829.237	**0.179**	0.02	9.7	ppb
	Cd	114	267.640	**0.036**	0.00	8.7	ppb
>	In	115	643833.389				ppb
	Sb	121	3734.822	**0.382**	0.01	3.3	ppb
	Sb	123	2804.884	**0.372**	0.01	2.6	ppb
	Ba	137	2903756.225	**580.417**	6.94	1.2	ppb
>	Ho	165	970626.173				ppb
	Tl	205	1295.392	**0.033**	0.00	0.5	ppb
	Pb	208	106796.411	**2.144**	0.02	1.0	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		102.5			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		100.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		97.9			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		98.6			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: SD5X
Sample Date/Time: Friday, June 08, 2007 16:48:38
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\SD5X.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	16796.598	**3.100**	0.06	1.9	ppb
	Be	9	68.667	**0.050**	0.00	1.9	ppb
	Al	27	6028887.468	**626.498**	6.49	1.0	ppb
>	Sc	45	805569.491				ppb
	Ti	48	331514.687	**34.100**	1.14	3.3	ppb
	Fe	54	577642.016	**459.956**	8.09	1.8	ppb
	Mn	55	569301.012	**27.526**	0.39	1.4	ppb
	Co	59	8170.336	**0.501**	0.00	1.0	ppb
	Ni	60	4169.942	**1.021**	0.03	3.0	ppb
	Cu	63	9222.309	**1.146**	0.01	0.9	ppb
	Cu	65	4188.947	**1.078**	0.02	1.6	ppb
	Zn	66	12322.646	**4.046**	0.03	0.8	ppb
	Zn	67	4102.589	**9.673**	0.03	0.3	ppb
	Zn	68	14800.997	**8.244**	0.03	0.4	ppb
	As	75	2152.848	**0.853**	0.03	3.6	ppb
	Se	77	195.001	**0.740**	0.10	13.3	ppb
	Se	82	48.201	**0.139**	0.05	35.7	ppb
>	Y	89	5824384.756				ppb
	Ag	107	259.002	**-0.022**	0.00	7.3	ppb
	Ag	109	128.667	**-0.024**	0.00	3.0	ppb
	Cd	111	3870.275	**0.079**	0.01	14.6	ppb
	Cd	114	97.965	**0.009**	0.00	14.1	ppb
>	In	115	704045.398				ppb
	Sb	121	1063.040	**0.092**	0.01	6.1	ppb
	Sb	123	845.846	**0.096**	0.01	12.6	ppb
	Ba	137	624950.332	**116.364**	0.51	0.4	ppb
>	Ho	165	1041698.749				ppb
	Tl	205	330.670	**0.007**	0.00	1.8	ppb
	Pb	208	24651.675	**0.445**	0.00	0.7	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		108.0			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		107.1			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		107.0			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		105.8			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: AS1.0X
Sample Date/Time: Friday, June 08, 2007 16:53:41
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\AS1.0X.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	76715.343	**14.925**	0.27	1.8	ppb
	Be	9	255.336	**0.237**	0.02	7.9	ppb
	Al	27	28433114.745	**3092.422**	22.31	0.7	ppb
>	Sc	45	770347.346				ppb
	Ti	48	1562057.538	**170.953**	4.04	2.4	ppb
	Fe	54	2199104.757	**2249.866**	21.14	0.9	ppb
	Mn	55	2464191.252	**127.235**	1.82	1.4	ppb
	Co	59	37400.232	**2.456**	0.05	2.1	ppb
	Ni	60	16435.116	**4.880**	0.03	0.7	ppb
	Cu	63	37682.300	**5.238**	0.05	1.0	ppb
	Cu	65	17005.449	**4.911**	0.06	1.2	ppb
	Zn	66	37031.940	**17.016**	0.37	2.2	ppb
	Zn	67	14482.671	**41.252**	0.68	1.7	ppb
	Zn	68	53897.148	**36.668**	0.16	0.4	ppb
	As	75	9556.986	**4.489**	0.14	3.0	ppb
	Se	77	561.344	**3.318**	0.20	5.9	ppb
	Se	82	156.739	**0.693**	0.02	2.5	ppb
>	Y	89	5468058.764				ppb
	Ag	107	429.340	**-0.006**	0.00	56.6	ppb
	Ag	109	245.669	**-0.013**	0.00	10.4	ppb
	Cd	111	3769.245	**0.154**	0.06	37.1	ppb
	Cd	114	251.840	**0.033**	0.00	14.8	ppb
>	In	115	645863.342				ppb
	Sb	121	3087.334	**0.313**	0.00	1.0	ppb
	Sb	123	2396.470	**0.316**	0.01	4.4	ppb
	Ba	137	2894472.238	**574.064**	4.14	0.7	ppb
>	Ho	165	978217.562				ppb
	Tl	205	1149.713	**0.029**	0.00	3.4	ppb
	Pb	208	107398.877	**2.139**	0.01	0.7	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		103.3			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		100.6			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		98.2			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		99.4			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JX7QCS
Sample Date/Time: Friday, June 08, 2007 16:58:44
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\JX7QCS.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	76138.786	**14.935**	0.66	4.4	ppb
	Be	9	90193.530	**89.569**	2.36	2.6	ppb
	Al	27	138824725.405	**15223.912**	247.12	1.6	ppb
>	Sc	45	764229.970				ppb
	Ti	48	2456434.268	**275.797**	5.24	1.9	ppb
	Fe	54	11494215.351	**12616.003**	187.93	1.5	ppb
	Mn	55	4201421.769	**222.651**	2.19	1.0	ppb
	Co	59	1421651.444	**95.939**	1.39	1.4	ppb
	Ni	60	304370.197	**96.099**	1.85	1.9	ppb
	Cu	63	657930.780	**95.100**	1.42	1.5	ppb
	Cu	65	317483.277	**95.445**	1.83	1.9	ppb
	Zn	66	213730.747	**109.854**	2.22	2.0	ppb
	Zn	67	45513.722	**136.947**	1.87	1.4	ppb
	Zn	68	180908.646	**130.280**	2.25	1.7	ppb
	As	75	204199.366	**100.954**	1.93	1.9	ppb
	Se	77	14666.525	**101.999**	0.98	1.0	ppb
	Se	82	19057.298	**97.089**	1.99	2.1	ppb
>	Y	89	5329210.103				ppb
	Ag	107	228447.959	**18.975**	0.39	2.1	ppb
	Ag	109	216782.471	**18.890**	0.24	1.3	ppb
	Cd	111	279615.712	**97.382**	1.60	1.6	ppb
	Cd	114	633186.367	**96.007**	1.69	1.8	ppb
>	In	115	631477.785				ppb
	Sb	121	930338.994	**99.442**	0.98	1.0	ppb
	Sb	123	716646.745	**99.445**	1.12	1.1	ppb
	Ba	137	3281596.610	**673.345**	6.74	1.0	ppb
>	Ho	165	945554.349				ppb
	Tl	205	3330737.910	**90.741**	1.64	1.8	ppb
	Pb	208	4503952.452	**93.692**	1.65	1.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		102.5			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		98.0			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		96.0			
Sb	121					
Sb	123					
Ba	137					
Ho	165		96.1			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: JX7QCD
Sample Date/Time: Friday, June 08, 2007 17:03:48
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\JX7QCD.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	77366.683	**15.354**	0.61	4.0	ppb
	Be	9	88849.474	**89.283**	3.77	4.2	ppb
	Al	27	144692597.765	**16054.005**	500.53	3.1	ppb
>	Sc	45	755706.005				ppb
	Ti	48	2546944.218	**291.673**	10.76	3.7	ppb
	Fe	54	11826673.061	**13243.996**	385.21	2.9	ppb
	Mn	55	4287690.042	**231.744**	7.25	3.1	ppb
	Co	59	1437293.671	**98.945**	4.38	4.4	ppb
	Ni	60	308859.430	**99.486**	4.68	4.7	ppb
	Cu	63	668001.035	**98.492**	4.08	4.1	ppb
	Cu	65	322392.228	**98.863**	4.10	4.1	ppb
	Zn	66	216976.827	**113.820**	4.76	4.2	ppb
	Zn	67	46626.313	**143.197**	6.51	4.5	ppb
	Zn	68	183396.822	**134.761**	5.26	3.9	ppb
	As	75	205867.241	**103.816**	4.17	4.0	ppb
	Se	77	14694.221	**104.261**	4.65	4.5	ppb
	Se	82	19163.018	**99.573**	3.59	3.6	ppb
>	Y	89	5228147.681				ppb
	Ag	107	231211.740	**19.673**	0.69	3.5	ppb
	Ag	109	219655.887	**19.608**	0.72	3.7	ppb
	Cd	111	282598.407	**100.871**	4.40	4.4	ppb
	Cd	114	641745.561	**99.683**	4.14	4.1	ppb
>	In	115	616854.402				ppb
	Sb	121	941850.952	**103.128**	3.79	3.7	ppb
	Sb	123	727254.668	**103.389**	4.32	4.2	ppb
	Ba	137	3438341.380	**721.704**	32.37	4.5	ppb
>	Ho	165	925257.787				ppb
	Tl	205	3358834.457	**93.572**	2.90	3.1	ppb
	Pb	208	4543500.411	**96.666**	3.76	3.9	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		101.3			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		96.2			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		93.8			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		94.0			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, June 08, 2007 17:18:58
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 6.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	255875.318	**50.923**	0.31	0.6	ppb
	Be	9	48706.560	**49.012**	0.96	2.0	ppb
	Al	27	46788597.349	**5199.517**	86.61	1.7	ppb
>	Sc	45	754087.613				ppb
	Ti	48	465041.140	**50.183**	0.44	0.9	ppb
	Fe	54	1081393.022	**1025.420**	19.13	1.9	ppb
	Mn	55	1010458.931	**51.361**	0.74	1.4	ppb
	Co	59	765859.697	**49.634**	0.70	1.4	ppb
	Ni	60	161226.408	**48.797**	0.97	2.0	ppb
	Cu	63	355426.698	**49.309**	1.16	2.4	ppb
	Cu	65	169227.158	**48.824**	1.02	2.1	ppb
	Zn	66	103069.498	**49.894**	1.41	2.8	ppb
	Zn	67	18242.307	**51.635**	1.29	2.5	ppb
	Zn	68	74399.242	**50.466**	0.52	1.0	ppb
	As	75	104207.881	**49.417**	0.87	1.8	ppb
	Se	77	7710.748	**51.254**	1.39	2.7	ppb
	Se	82	10338.050	**50.546**	1.36	2.7	ppb
>	Y	89	5549481.358				ppb
	Ag	107	643271.308	**50.276**	0.44	0.9	ppb
	Ag	109	612117.511	**50.180**	0.36	0.7	ppb
	Cd	111	157783.015	**51.101**	0.17	0.3	ppb
	Cd	114	355592.861	**50.665**	0.05	0.1	ppb
>	In	115	671924.998				ppb
	Sb	121	506687.187	**50.891**	0.26	0.5	ppb
	Sb	123	390179.443	**50.877**	0.43	0.9	ppb
	Ba	137	257846.855	**50.210**	0.74	1.5	ppb
>	Ho	165	995861.167				ppb
	Tl	205	1825668.271	**47.223**	0.64	1.4	ppb
	Pb	208	2559551.928	**50.543**	0.54	1.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	101.8				
Be	9	98.0				
Al	27	104.0				
> Sc	45		101.1			
Ti	48	100.4				
Fe	54	102.5				
Mn	55	102.7				
Co	59	99.3				
Ni	60	97.6				
Cu	63	98.6				
Cu	65	97.6				
Zn	66	99.8				
Zn	67	103.3				
Zn	68	100.9				
As	75	98.8				
Se	77	102.5				
Se	82	101.1				
> Y	89		102.1			
Ag	107	100.6				
Ag	109	100.4				
Cd	111	102.2				
Cd	114	101.3				
> In	115		102.1			
Sb	121	101.8				
Sb	123	101.8				
Ba	137	100.4				
> Ho	165		101.2			
Tl	205	94.4				
Pb	208	101.1				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Friday, June 08, 2007 17:24:00
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 7.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	397.338	**0.044**	0.00	1.9	ppb
	Be	9	27.333	**0.012**	0.01	53.0	ppb
	Al	27	20605.883	**1.470**	0.11	7.6	ppb
>	Sc	45	792553.524				ppb
	Ti	48	797.462	**0.128**	0.03	21.7	ppb
	Fe	54	119362.185	**-5.882**	1.27	21.6	ppb
	Mn	55	2292.851	**0.021**	0.00	5.7	ppb
	Co	59	228.335	**0.010**	0.00	7.8	ppb
	Ni	60	634.681	**-0.004**	0.00	113.7	ppb
	Cu	63	683.683	**0.015**	0.00	7.1	ppb
	Cu	65	366.005	**0.024**	0.00	18.3	ppb
	Zn	66	3432.079	**-0.218**	0.02	10.0	ppb
	Zn	67	688.017	**0.135**	0.10	71.3	ppb
	Zn	68	2258.178	**-0.136**	0.02	12.7	ppb
	As	75	250.835	**-0.009**	0.02	206.6	ppb
	Se	77	89.667	**0.062**	0.11	178.6	ppb
	Se	82	18.380	**0.001**	0.11	21476.0	ppb
>	Y	89	5875269.271				ppb
	Ag	107	1359.398	**0.059**	0.01	9.4	ppb
	Ag	109	1176.048	**0.057**	0.00	0.9	ppb
	Cd	111	4083.787	**0.133**	0.01	5.6	ppb
	Cd	114	123.829	**0.012**	0.00	16.3	ppb
>	In	115	711400.560				ppb
	Sb	121	2082.152	**0.188**	0.01	4.5	ppb
	Sb	123	1588.823	**0.186**	0.01	6.2	ppb
	Ba	137	237.669	**0.015**	0.00	24.3	ppb
>	Ho	165	1050405.979				ppb
	Tl	205	1566.419	**0.037**	0.00	5.6	ppb
	Pb	208	1791.377	**0.013**	0.00	5.0	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		106.3			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		108.1			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		108.1			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		106.7			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A4E

Sample Date/Time: Friday, June 08, 2007 17:29:03
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\J0A4E.023

RL (Liferep), Be, Al, Ti.

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	178922.423	**106.373**	1.21	1.1	ppb
	Be	9	35.667	**0.093**	0.01	7.6	ppb
	Al	27	563435.459	**186.141**	2.44	1.3	ppb
>	Sc	45	252615.503				ppb
	Ti	48	4661591.728	**1621.936**	2.75	0.2	ppb
	Fe	54	147635.537	**381.596**	9.58	2.5	ppb
	Mn	55	127808.849	**20.914**	0.13	0.6	ppb
	Co	59	11838.573	**2.474**	0.07	2.8	ppb
	Ni	60	25333.780	**24.693**	1.40	5.7	ppb
	Cu	63	5016146.300	**2255.649**	221.02	9.8	ppb
	Cu	65	19121.123	**17.788**	1.10	6.2	ppb
	Zn	66	6780.943	**9.149**	0.38	4.2	ppb
	Zn	67	3048.659	**27.030**	0.12	0.4	ppb
	Zn	68	5684.132	**11.221**	0.26	2.3	ppb
	As	75	2772.423	**4.117**	0.43	10.5	ppb
	Se	77	10278.029	**222.431**	9.74	4.4	ppb
	Se	82	-14741.351	**-232.767**	9.14	3.9	ppb
>	Y	89	1719455.093				ppb
	Ag	107	931.364	**0.204**	0.00	1.4	ppb
	Ag	109	868.693	**0.206**	0.01	2.5	ppb
	Cd	111	-8712.606	**-10.852**	0.23	2.1	ppb
	Cd	114	205.965	**0.095**	0.01	14.0	ppb
>	In	115	199612.676				ppb
	Sb	121	2648.912	**0.888**	0.05	5.3	ppb
	Sb	123	2345.477	**1.022**	0.05	5.3	ppb
	Ba	137	528358.340	**292.311**	2.31	0.8	ppb
>	Ho	165	350766.358				ppb
	Tl	205	938.364	**0.068**	0.01	11.3	ppb
	Pb	208	4204.573	**0.215**	0.00	2.3	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		33.9			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		31.6			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		30.3			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		35.6			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A5A
Sample Date/Time: Friday, June 08, 2007 17:34:08
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\J0A5A.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	301614.053	**233.109**	3.75	1.6	ppb
	Be	9	63.000	**0.232**	0.02	7.0	ppb
	Al	27	4651210.567	**2005.485**	30.62	1.5	ppb
>	Sc	45	194398.623				ppb
	Ti	48	4207922.169	**1631.013**	12.95	0.8	ppb
	Fe	54	6160899.218	**23448.089**	248.51	1.1	ppb
	Mn	55	27579703.032	**5045.050**	95.26	1.9	ppb
	Co	59	36757.277	**8.574**	0.25	2.9	ppb
	Ni	60	23768.092	**25.843**	1.46	5.6	ppb
	Cu	63	16770703.358	**8383.995**	149.47	1.8	ppb
	Cu	65	44304.695	**45.998**	0.99	2.1	ppb
	Zn	66	8933.132	**14.282**	0.13	0.9	ppb
	Zn	67	4641.754	**47.191**	2.49	5.3	ppb
	Zn	68	3481.425	**7.138**	0.03	0.4	ppb
	As	75	4095.871	**6.870**	1.39	20.3	ppb
	Se	77	19860.800	**479.951**	24.56	5.1	ppb
	Se	82	-81937.757	**-1444.224**	33.51	2.3	ppb
>	Y	89	1543098.788				ppb
	Ag	107	783.688	**0.195**	0.02	11.2	ppb
	Ag	109	712.018	**0.192**	0.01	7.3	ppb
	Cd	111	-23840.733	**-31.697**	1.93	6.1	ppb
	Cd	114	220.631	**0.117**	0.01	5.3	ppb
>	In	115	174103.663				ppb
	Sb	121	1143.046	**0.434**	0.02	3.8	ppb
	Sb	123	1965.920	**0.982**	0.05	4.7	ppb
	Ba	137	177360.047	**112.300**	2.40	2.1	ppb
>	Ho	165	306201.316				ppb
	Tl	205	376.338	**0.031**	0.00	3.2	ppb
	Pb	208	19120.323	**1.208**	0.02	2.0	ppb

NR

Report Ba, Ho, Tl, Pb.

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		26.1			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		28.4			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		26.5			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		31.1			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
Sc 45 Int Std for sample	45Sc	Internals Standard Fail
Mn 55 Upper, S, EEE	55Mn	H
Y 89 Int Std for sample	89Y	Internals Standard Fail
In 115 Int Std for sample	115In	Internals Standard Fail

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, June 08, 2007 17:39:11
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 6.025

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	156111.750	**33.203**	1.59	4.8	ppb
	Be	9	34032.848	**36.622**	1.34	3.7	ppb
	Al	27	36230412.619	**4308.662**	103.97	2.4	ppb
>	Sc	45	703669.183				ppb
	Ti	48	550289.524	**59.701**	2.24	3.8	ppb
	Fe	54	995775.937	**940.931**	13.38	1.4	ppb
	Mn	55	931374.462	**47.599**	1.50	3.1	ppb
	Co	59	735771.308	**47.999**	0.27	0.6	ppb
	Ni	60	160524.001	**48.919**	0.77	1.6	ppb
	Cu	63	397256.496	**55.426**	1.56	2.8	ppb
	Cu	65	179130.613	**52.023**	0.40	0.8	ppb
	Zn	66	105906.773	**51.626**	0.98	1.9	ppb
	Zn	67	19059.722	**54.385**	0.27	0.5	ppb
	Zn	68	70649.515	**48.160**	0.34	0.7	ppb
	As	75	106130.334	**50.664**	0.42	0.8	ppb
	Se	77	7904.857	**52.888**	0.46	0.9	ppb
	Se	82	10305.135	**50.692**	0.75	1.5	ppb
>	Y	89	5512863.407				ppb
	Ag	107	634196.327	**49.786**	0.78	1.6	ppb
	Ag	109	606588.123	**49.954**	0.97	1.9	ppb
	Cd	111	146121.415	**47.449**	0.56	1.2	ppb
	Cd	114	330999.840	**47.360**	0.43	0.9	ppb
>	In	115	669282.297				ppb
	Sb	121	482456.150	**48.670**	0.66	1.4	ppb
	Sb	123	371741.764	**48.692**	0.88	1.8	ppb
	Ba	137	257188.082	**50.862**	0.96	1.9	ppb
>	Ho	165	980821.090				ppb
	Tl	205	1721878.719	**45.248**	1.18	2.6	ppb
	Pb	208	2380043.964	**47.744**	1.17	2.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	66.4				
Be	9	73.2				
Al	27	86.2				
> Sc	45		94.4			
Ti	48	119.4				
Fe	54	94.1				
Mn	55	95.2				
Co	59	96.0				
Ni	60	97.8				
Cu	63	110.9				
Cu	65	104.0				
Zn	66	103.3				
Zn	67	108.8				
Zn	68	96.3				
As	75	101.3				
Se	77	105.8				
Se	82	101.4				
> Y	89		101.4			
Ag	107	99.6				
Ag	109	99.9				
Cd	111	94.9				
Cd	114	94.7				
> In	115		101.7			
Sb	121	97.3				
Sb	123	97.4				
Ba	137	101.7				
> Ho	165		99.6			
Tl	205	90.5				
Pb	208	95.5				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	6Li	Q
QC Std 6	9Be	Q
QC Std 6	27Al	Q
QC Std 6	48Ti	Q
QC Std 6	63Cu	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Friday, June 08, 2007 17:44:13
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.204 GW.mth
Dataset File: C:\elandata\Dataset\A070608C\QC Std 7.026

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	312.336	**0.061**	0.00	6.6	ppb
	Be	9	19.333	**0.015**	0.00	23.8	ppb
	Al	27	16637.486	**2.042**	0.28	13.7	ppb
>	Sc	45	505300.595				ppb
	Ti	48	40167.187	**5.158**	0.57	11.0	ppb
	Fe	54	108048.096	**10.186**	0.67	6.6	ppb
	Mn	55	4962.878	**0.209**	0.04	19.2	ppb
	Co	59	304.337	**0.020**	0.01	26.8	ppb
	Ni	60	729.019	**0.075**	0.02	22.1	ppb
	Cu	63	10639.651	**1.672**	0.11	6.6	ppb
	Cu	65	2799.944	**0.880**	0.09	10.0	ppb
	Zn	66	5681.136	**1.523**	0.21	13.6	ppb
	Zn	67	1867.122	**4.699**	0.09	1.8	ppb
	Zn	68	2253.178	**0.239**	0.09	36.5	ppb
	As	75	894.895	**0.382**	0.04	9.7	ppb
	Se	77	441.674	**2.996**	0.31	10.3	ppb
	Se	82	59.229	**0.256**	0.13	49.0	ppb
>	Y	89	4690413.927				ppb
	Ag	107	1264.057	**0.070**	0.01	18.5	ppb
	Ag	109	1110.377	**0.068**	0.01	11.9	ppb
	Cd	111	4109.605	**0.384**	0.02	3.9	ppb
	Cd	114	134.075	**0.017**	0.00	20.7	ppb
>	In	115	598096.773				ppb
	Sb	121	1878.124	**0.202**	0.01	7.1	ppb
	Sb	123	1460.061	**0.204**	0.02	10.5	ppb
	Ba	137	270.003	**0.030**	0.01	20.2	ppb
>	Ho	165	891300.597				ppb
	Tl	205	993.702	**0.028**	0.00	12.6	ppb
	Pb	208	2031.057	**0.024**	0.00	10.4	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		67.8			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		86.3			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		90.9			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		90.5			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
Sc 45 Int Std for QC Std	45Sc	Internal Standard Fail
QC Std 7	48Ti	Q
QC Std 7	63Cu	Q

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020 / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:

Analyst: XE Run Date: 6-11-07 Instrument: A1
Prep Batches: 7157305 (2 & 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)		✓		✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?		✓		✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?		✓		✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-11-07
Comments:

2nd Level Reviewer: [signature] Date: 6/13/07
Comments:

Instrument ID: ICPMS-A1 Analyst Initials: [illegible]

Instrument Method: [illegible] Date: [illegible]

Result Data Set: [illegible] Method/Test: [illegible]

Computer Clock Date/Time: [illegible] SOP #: [illegible]

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		**Additional Standards:**			
HNO_3	HNO3-00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA-00018		
		ICSAB	MEICSAB-00017		

Calibration Curve Standards:		**Analytical Spike Information:** (9.6 mL sample)		
Std. 1	MESTD1-00002	Spike #	Spike Standard ID	Volume
Std. 2	MESTD2-00002	1	07MET0188	100 µL
Std. 3	MESTD3-00002	2	07MET0189	100 µL
Std. 4		3	07MET0190	100 µL
Std. 5		4	07MET0191	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL
Curve Verification Standards:				
ICV Std.	07MET0274	Sample ID: JX7QC		
CCV Std.	MECCV-00002	Sample ID: NA		
LLCCV Std.		Sample ID:		
		Sample ID:		

Comments:

Instrument ID: ICPMS-A1

Dataset Report

User Name: escobarx
Computer Name: AUSF5PSP11
Dataset File Path: c:\elandata\dataset\a070611b\
Report Date/Time: Tuesday, June 12, 2007 07:44:27

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	Blank	16:50:32 Mon 11-Jun-07	Blank	Blank.001	
	Standard 1	16:55:07 Mon 11-Jun-07	Standard #1	Standard 1.002	
	Standard 2	16:59:42 Mon 11-Jun-07	Standard #2	Standard 2.003	
	Standard 3	17:04:19 Mon 11-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	17:08:54 Mon 11-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	17:13:28 Mon 11-Jun-07	QC Std #2	QC Std 2.006	
	QC Std 4	17:18:03 Mon 11-Jun-07	QC Std #4	QC Std 4.007	
	QC Std 5	17:22:37 Mon 11-Jun-07	QC Std #5	QC Std 5.008	
	QC Std 6	17:27:12 Mon 11-Jun-07	QC Std #6	QC Std 6.009	
	QC Std 7	17:31:46 Mon 11-Jun-07	QC Std #7	QC Std 7.010	
	AS1.04X	17:36:21 Mon 11-Jun-07	Sample	AS1.04X.011	7157305 of JX7QC
	J0A4E	17:40:56 Mon 11-Jun-07	Sample	J0A4E.012	7157305
	AS1.04X	17:50:37 Mon 11-Jun-07	Sample	AS1.04X.013	7157305 of JX7QC
	J0A4E	17:55:12 Mon 11-Jun-07	Sample	J0A4E.014	7157305
	QC Std 6	17:59:47 Mon 11-Jun-07	QC Std #6	QC Std 6.015	
	QC Std 7	18:04:22 Mon 11-Jun-07	QC Std #7	QC Std 7.016	
	J0A5A	18:08:56 Mon 11-Jun-07	Sample	J0A5A.017	7157305
	QC Std 6	18:13:32 Mon 11-Jun-07	QC Std #6	QC Std 6.018	
	QC Std 7	18:18:06 Mon 11-Jun-07	QC Std #7	QC Std 7.019	

Quantitative Analysis Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be	9.012	Linear Thru Zero	0.00148	0.00000	0.999973
Al	26.982	Linear Thru Zero	0.01084	0.00000	0.999981
Sc	44.956	Linear Thru Zero	0.00000	0.00000	0.000000
Ti	47.948	Linear Thru Zero	0.00165	0.00000	0.999994
Fe	53.940	Linear Thru Zero	0.00017	0.00000	0.999968
Mn	54.938	Linear Thru Zero	0.00347	0.00000	0.999992
Co	58.933	Linear Thru Zero	0.00262	0.00000	0.999994
Ni	59.933	Linear Thru Zero	0.00056	0.00000	0.999991
Cu	62.930	Linear Thru Zero	0.00130	0.00000	0.999993
Cu	64.928	Linear Thru Zero	0.00063	0.00000	0.999993
Zn	65.926	Linear Thru Zero	0.00043	0.00000	0.999996
Zn	66.927	Linear Thru Zero	0.00007	0.00000	0.999989
Zn	67.925	Linear Thru Zero	0.00031	0.00000	0.999999
As	74.922	Linear Thru Zero	0.00048	0.00000	0.999999
Se	76.920	Linear Thru Zero	0.00003	0.00000	0.999997
Se	81.917	Linear Thru Zero	0.00004	0.00000	0.999998
Y	88.905	Linear Thru Zero	0.00000	0.00000	0.000000
Ag	106.905	Linear Thru Zero	0.01868	0.00000	0.999986
Ag	108.905	Linear Thru Zero	0.01791	0.00000	0.999986
Cd	110.904	Linear Thru Zero	0.00469	0.00000	0.999996
Cd	113.904	Linear Thru Zero	0.01088	0.00000	1.000000
In	114.904	Linear Thru Zero	0.00000	0.00000	0.000000
Sb	120.904	Linear Thru Zero	0.01829	0.00000	0.999999
Sb	122.904	Linear Thru Zero	0.01415	0.00000	0.999994

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Monday, June 11, 2007 16:50:32
Sample Description:
Solution Type: Blank
Blank File: c:\elandata\dataset\a070611b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	17.00			ppb
	Al	27	2315.19			ppb
>	Sc	45	405362.71			ppb
	Ti	48	0.25			ppb
	Fe	54	53181.03			ppb
	Mn	55	944.03			ppb
	Co	59	30.00			ppb
	Ni	60	192.00			ppb
	Cu	63	303.00			ppb
	Cu	65	144.00			ppb
	Zn	66	1007.04			ppb
	Zn	67	917.03			ppb
	Zn	68	456.01			ppb
	As	75	264.69			ppb
	Se	77	115.00			ppb
	Se	82	-37.37			ppb
>	Y	89	3227137.31			ppb
	Ag	107	84.00			ppb
	Ag	109	37.00			ppb
	Cd	111	1637.00			ppb
	Cd	114	25.15			ppb
>	In	115	409076.93			ppb
	Sb	121	67.00			ppb

Sb	123	60.73			ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	15.00			ppb
Al	27	2622.24			ppb
Sc	45	413386.80			ppb
Ti	48	-16.93			ppb
Fe	54	53103.41			ppb
Mn	55	905.03			ppb
Co	59	45.00			ppb
Ni	60	164.00			ppb
Cu	63	300.00			ppb
Cu	65	132.00			ppb
Zn	66	965.03			ppb
Zn	67	968.03			ppb
Zn	68	402.01			ppb
As	75	243.44			ppb
Se	77	124.00			ppb
Se	82	-50.47			ppb
Y	89	3215790.39			ppb
Ag	107	93.00			ppb
Ag	109	62.00			ppb
Cd	111	1628.38			ppb
Cd	114	31.21			ppb
In	115	414368.22			ppb
Sb	121	65.00			ppb
Sb	123	58.85			ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	24.00			ppb
Al	27	3250.37			ppb
Sc	45	413643.06			ppb
Ti	48	15.14			ppb
Fe	54	53228.32			ppb
Mn	55	892.03			ppb
Co	59	39.00			ppb
Ni	60	190.00			ppb
Cu	63	293.00			ppb
Cu	65	150.00			ppb
Zn	66	1021.04			ppb
Zn	67	977.03			ppb
Zn	68	388.01			ppb
As	75	356.69			ppb
Se	77	125.00			ppb
Se	82	-17.39			ppb
Y	89	3251385.27			ppb
Ag	107	84.00			ppb
Ag	109	48.00			ppb
Cd	111	1674.99			ppb
Cd	114	43.28			ppb

>	In	115	417459.84	ppb
	Sb	121	91.00	ppb
	Sb	123	72.86	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	18.67			ppb
	Al	27	2729.27			ppb
>	Sc	45	410797.52			ppb
	Ti	48	-0.51			ppb
	Fe	54	53170.92			ppb
	Mn	55	913.70			ppb
	Co	59	38.00			ppb
	Ni	60	182.00			ppb
	Cu	63	298.67			ppb
	Cu	65	142.00			ppb
	Zn	66	997.70			ppb
	Zn	67	954.03			ppb
	Zn	68	415.34			ppb
	As	75	288.28			ppb
	Se	77	121.33			ppb
	Se	82	-35.08			ppb
>	Y	89	3231437.66			ppb
	Ag	107	87.00			ppb
	Ag	109	49.00			ppb
	Cd	111	1646.79			ppb
	Cd	114	33.21			ppb
>	In	115	413635.00			ppb
	Sb	121	74.33			ppb
	Sb	123	64.15			ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	4.726		
Al	27	476.689		
Sc	45	4708.431		
Ti	48	16.047		
Fe	54	63.065		
Mn	55	27.063		
Co	59	7.550		
Ni	60	15.621		
Cu	63	5.132		
Cu	65	9.165		
Zn	66	29.145		
Zn	67	32.360		
Zn	68	35.908		
As	75	60.195		
Se	77	5.508		
Se	82	16.658		
Y	89	18182.923		
Ag	107	5.196		
Ag	109	12.530		
Cd	111	24.799		
Cd	114	9.228		
In	115	4239.284		
Sb	121	14.468		
Sb	123	7.602		

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Monday, June 11, 2007 16:55:07
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070611b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	609.01	0.001	0.978298	ppb
	Al	27	491641.80	1.196	110.310896	ppb
>	Sc	45	408869.55	408869.550		ppb
	Ti	48	5157.07	0.002	1.001032	ppb
	Fe	54	82293.98	0.010	60.140209	ppb
	Mn	55	12058.09	0.004	1.033765	ppb
	Co	59	8543.55	0.003	1.044240	ppb
	Ni	60	1983.14	0.001	1.039988	ppb
	Cu	63	4543.72	0.001	1.052122	ppb
	Cu	65	2203.17	0.001	1.049642	ppb
	Zn	66	8116.30	0.002	5.333116	ppb
	Zn	67	1942.13	0.000	4.619527	ppb
	Zn	68	5468.05	0.002	5.233359	ppb
	As	75	1576.63	0.000	0.869215	ppb
	Se	77	211.00	0.000	1.016969	ppb
	Se	82	90.72	0.000	1.011524	ppb
>	Y	89	3114532.89	3114532.889		ppb
	Ag	107	7751.10	0.019	1.007504	ppb
	Ag	109	7305.87	0.018	0.994961	ppb
	Cd	111	3424.49	0.004	0.942947	ppb
	Cd	114	4440.02	0.011	0.994620	ppb
>	In	115	407325.89	407325.889		ppb
	Sb	121	7429.93	0.018	0.987398	ppb

Sb	123	5662.23	0.014	0.971418	ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	625.01	0.001	0.996396	ppb
Al	27	488858.69	1.179	108.786837	ppb
Sc	45	412218.76	412218.765		ppb
Ti	48	5157.07	0.002	0.973438	ppb
Fe	54	80881.40	0.009	53.084576	ppb
Mn	55	11965.01	0.003	0.994648	ppb
Co	59	8368.45	0.003	0.994426	ppb
Ni	60	1953.13	0.001	0.991749	ppb
Cu	63	4683.77	0.001	1.054822	ppb
Cu	65	2179.17	0.001	1.006931	ppb
Zn	66	8202.35	0.002	5.228701	ppb
Zn	67	2010.14	0.000	4.676411	ppb
Zn	68	5493.06	0.002	5.102800	ppb
As	75	1733.42	0.000	0.942168	ppb
Se	77	198.00	0.000	0.817388	ppb
Se	82	47.61	0.000	0.650641	ppb
Y	89	3202830.83	3202830.831		ppb
Ag	107	7702.08	0.019	0.992781	ppb
Ag	109	7416.92	0.018	1.001870	ppb
Cd	111	3514.84	0.005	0.975166	ppb
Cd	114	4413.23	0.011	0.980429	ppb
In	115	410684.65	410684.653		ppb
Sb	121	7373.90	0.018	0.971784	ppb
Sb	123	5612.47	0.014	0.954821	ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	632.01	0.001	0.999920	ppb
Al	27	496440.54	1.188	109.630028	ppb
Sc	45	415410.24	415410.242		ppb
Ti	48	5099.70	0.002	0.955099	ppb
Fe	54	80492.95	0.008	51.169630	ppb
Mn	55	12151.17	0.003	1.002863	ppb
Co	59	8242.38	0.003	0.971699	ppb
Ni	60	2011.14	0.001	1.015421	ppb
Cu	63	4456.70	0.001	0.991872	ppb
Cu	65	2174.17	0.001	0.996080	ppb
Zn	66	8201.35	0.002	5.181584	ppb
Zn	67	1964.14	0.000	4.406981	ppb
Zn	68	5530.07	0.002	5.096633	ppb
As	75	1727.30	0.000	0.929410	ppb
Se	77	220.00	0.000	1.030652	ppb
Se	82	65.60	0.000	0.788711	ppb
Y	89	3228021.66	3228021.657		ppb
Ag	107	7604.02	0.018	0.970073	ppb
Ag	109	7303.87	0.017	0.976553	ppb
Cd	111	3624.78	0.005	1.013371	ppb
Cd	114	4434.79	0.011	0.975316	ppb

>	In	115	414838.42	414838.418		ppb
	Sb	121	7364.90	0.018	0.960769	ppb
	Sb	123	5729.37	0.014	0.965067	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	622.01	0.001	0.991538	ppb
	Al	27	492313.68	1.188	109.575920	ppb
>	Sc	45	412166.19	412166.186		ppb
	Ti	48	5137.95	0.002	0.976523	ppb
	Fe	54	81222.78	0.009	54.798138	ppb
	Mn	55	12058.09	0.004	1.010425	ppb
	Co	59	8384.79	0.003	1.003455	ppb
	Ni	60	1982.47	0.001	1.015719	ppb
	Cu	63	4561.40	0.001	1.032938	ppb
	Cu	65	2185.50	0.001	1.017551	ppb
	Zn	66	8173.34	0.002	5.247800	ppb
	Zn	67	1972.14	0.000	4.567640	ppb
	Zn	68	5497.06	0.002	5.144264	ppb
	As	75	1679.12	0.000	0.913597	ppb
	Se	77	209.67	0.000	0.955003	ppb
	Se	82	67.98	0.000	0.816959	ppb
>	Y	89	3181795.13	3181795.126		ppb
	Ag	107	7685.73	0.018	0.990119	ppb
	Ag	109	7342.22	0.018	0.991128	ppb
	Cd	111	3521.37	0.005	0.977161	ppb
	Cd	114	4429.35	0.011	0.983455	ppb
>	In	115	410949.65	410949.653		ppb
	Sb	121	7389.58	0.018	0.973317	ppb
	Sb	123	5668.02	0.014	0.963769	ppb

Relative Std. Dev.

Net Intens. RSD
1.170
0.697
0.794
2.368
8.621
2.041
3.698
2.375
3.446
2.783
1.478
3.109
1.501
4.265
12.500
22.289

1.873
1.904
1.320
3.608
1.017
0.916
1.375
0.869

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	11.790	0.000	0.012
Al	27	3835.322	0.008	0.763
> Sc	45	3270.663	3270.663	
Ti	48	33.119	0.000	0.023
Fe	54	947.805	0.001	4.724
Mn	55	93.079	0.000	0.021
Co	59	151.252	0.000	0.037
Ni	60	29.010	0.000	0.024
Cu	63	114.563	0.000	0.036
Cu	65	15.505	0.000	0.028
Zn	66	49.394	0.000	0.078
Zn	67	34.704	0.000	0.142
Zn	68	31.205	0.000	0.077
As	75	88.811	0.000	0.039
Se	77	11.061	0.000	0.119
Se	82	21.657	0.000	0.182
> Y	89	59596.987	59596.987	
Ag	107	74.889	0.000	0.019
Ag	109	64.704	0.000	0.013
Cd	111	100.303	0.000	0.035
Cd	114	14.200	0.000	0.010
> In	115	3763.269	3763.269	
Sb	121	35.237	0.000	0.013
Sb	123	58.669	0.000	0.008

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Monday, June 11, 2007 16:59:42
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070611b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	11777.85	0.029	19.862528	ppb
	Al	27	8687450.39	21.653	1997.450867	ppb
>	Sc	45	401091.66	401091.659		ppb
	Ti	48	104485.78	0.034	20.524392	ppb
	Fe	54	114982.21	0.021	126.147123	ppb
	Mn	55	227496.10	0.074	21.212717	ppb
	Co	59	168771.07	0.055	20.962354	ppb
	Ni	60	36742.19	0.012	21.291976	ppb
	Cu	63	83893.61	0.027	20.918981	ppb
	Cu	65	40916.51	0.013	20.965975	ppb
	Zn	66	28456.31	0.009	20.750444	ppb
	Zn	67	5416.03	0.001	20.607528	ppb
	Zn	68	20208.28	0.006	20.707083	ppb
	As	75	30952.50	0.010	20.779042	ppb
	Se	77	2039.15	0.001	21.049261	ppb
	Se	82	2474.09	0.001	20.612586	ppb
>	Y	89	3077409.91	3077409.908		ppb
	Ag	107	159326.55	0.400	21.430366	ppb
	Ag	109	150774.48	0.379	21.157449	ppb
	Cd	111	40048.81	0.097	20.599648	ppb
	Cd	114	89916.07	0.226	20.769474	ppb
>	In	115	397816.46	397816.459		ppb
	Sb	121	151144.35	0.380	20.761238	ppb

Sb	123	114296.28	0.287	20.293096	ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	11821.89	0.028	19.039995	ppb
Al	27	8784398.74	20.911	1928.997549	ppb
Sc	45	419955.27	419955.270		ppb
Ti	48	103321.16	0.032	19.270503	ppb
Fe	54	112526.11	0.018	110.189462	ppb
Mn	55	225091.45	0.069	19.923444	ppb
Co	59	169363.02	0.052	19.973149	ppb
Ni	60	36127.62	0.011	19.871675	ppb
Cu	63	84023.37	0.026	19.889601	ppb
Cu	65	41450.05	0.013	20.163918	ppb
Zn	66	28186.78	0.008	19.473077	ppb
Zn	67	5357.00	0.001	19.100629	ppb
Zn	68	20210.29	0.006	19.642282	ppb
As	75	30760.46	0.009	19.596602	ppb
Se	77	2055.15	0.001	20.088467	ppb
Se	82	2499.09	0.001	19.780487	ppb
Y	89	3241117.77	3241117.766		ppb
Ag	107	157808.84	0.378	20.234314	ppb
Ag	109	151682.01	0.363	20.290509	ppb
Cd	111	39517.37	0.091	19.326698	ppb
Cd	114	88202.77	0.211	19.421775	ppb
In	115	417304.96	417304.962		ppb
Sb	121	148348.27	0.355	19.424904	ppb
Sb	123	114901.23	0.275	19.447326	ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	11908.96	0.028	18.897363	ppb
Al	27	8729807.25	20.475	1888.747984	ppb
Sc	45	426236.24	426236.240		ppb
Ti	48	103843.93	0.032	19.186281	ppb
Fe	54	113218.94	0.018	109.501724	ppb
Mn	55	228921.60	0.070	20.072953	ppb
Co	59	172422.29	0.053	20.143183	ppb
Ni	60	36871.52	0.011	20.091672	ppb
Cu	63	86430.67	0.026	20.268832	ppb
Cu	65	41566.38	0.013	20.030330	ppb
Zn	66	28288.98	0.008	19.356161	ppb
Zn	67	5534.07	0.001	19.643867	ppb
Zn	68	20434.60	0.006	19.674619	ppb
As	75	31411.58	0.010	19.825804	ppb
Se	77	1956.13	0.001	18.869021	ppb
Se	82	2552.06	0.001	20.006984	ppb
Y	89	3271816.24	3271816.240		ppb
Ag	107	156024.40	0.372	19.937982	ppb
Ag	109	150893.73	0.360	20.117033	ppb
Cd	111	39500.11	0.090	19.249982	ppb
Cd	114	89071.07	0.213	19.546973	ppb

>	In	115	418714.92	418714.923		ppb
	Sb	121	148838.33	0.355	19.423446	ppb
	Sb	123	113730.42	0.271	19.184196	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	11836.23	0.028	19.266629	ppb
	Al	27	8733885.46	21.013	1938.398800	ppb
>	Sc	45	415761.06	415761.056		ppb
	Ti	48	103883.62	0.033	19.660392	ppb
	Fe	54	113575.75	0.019	115.279436	ppb
	Mn	55	227169.72	0.071	20.403038	ppb
	Co	59	170185.46	0.053	20.359562	ppb
	Ni	60	36580.44	0.011	20.418441	ppb
	Cu	63	84782.55	0.026	20.359138	ppb
	Cu	65	41310.98	0.013	20.386741	ppb
	Zn	66	28310.69	0.009	19.859894	ppb
	Zn	67	5435.70	0.001	19.784008	ppb
	Zn	68	20284.39	0.006	20.007995	ppb
	As	75	31041.51	0.010	20.067149	ppb
	Se	77	2016.81	0.001	20.002250	ppb
	Se	82	2508.41	0.001	20.133352	ppb
>	Y	89	3196781.30	3196781.305		ppb
	Ag	107	157719.93	0.384	20.534221	ppb
	Ag	109	151116.74	0.368	20.521664	ppb
	Cd	111	39688.76	0.093	19.725443	ppb
	Cd	114	89063.31	0.217	19.912741	ppb
>	In	115	411278.78	411278.781		ppb
	Sb	121	149443.65	0.363	19.869863	ppb
	Sb	123	114309.31	0.278	19.641539	ppb

Relative Std. Dev.

Net Intens. RSD
2.704
2.835
3.148
3.812
8.170
3.456
2.598
3.744
2.557
2.482
3.895
3.857
3.027
3.125
5.463
2.137

3.269
3.848
2.716
3.843
3.739
2.840
3.885
2.950

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	66.721	0.001	0.521
Al	27	48602.669	0.596	54.958
Sc	45	13086.484	13086.484	
Ti	48	583.325	0.001	0.749
Fe	54	1266.329	0.002	9.418
Mn	55	1935.819	0.002	0.705
Co	59	1959.630	0.001	0.529
Ni	60	397.450	0.000	0.764
Cu	63	1428.786	0.001	0.521
Cu	65	346.537	0.000	0.506
Zn	66	136.072	0.000	0.773
Zn	67	90.158	0.000	0.763
Zn	68	130.093	0.000	0.606
As	75	334.561	0.000	0.627
Se	77	53.152	0.000	1.093
Se	82	39.811	0.000	0.430
Y	89	104511.946	104511.946	
Ag	107	1652.868	0.015	0.790
Ag	109	493.157	0.010	0.557
Cd	111	311.927	0.004	0.758
Cd	114	856.675	0.008	0.745
In	115	11680.008	11680.008	
Sb	121	1493.093	0.014	0.772
Sb	123	585.516	0.008	0.579

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Monday, June 11, 2007 17:04:19
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070611b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Be	9	61898.81	0.153	103.796809	ppb
|	Al	27	44955259.45	111.301	10267.414969	ppb
⌊>	Sc	45	403881.63	403881.633		ppb
⌈	Ti	48	530863.83	0.170	103.055763	ppb
|	Fe	54	1110811.26	0.340	2052.895215	ppb
|	Mn	55	1102346.93	0.354	101.890949	ppb
|	Co	59	838410.24	0.269	102.932005	ppb
|	Ni	60	178811.11	0.057	102.789914	ppb
|	Cu	63	413786.11	0.133	102.244032	ppb
|	Cu	65	200878.47	0.064	101.992755	ppb
|	Zn	66	138812.15	0.044	102.774184	ppb
|	Zn	67	23687.62	0.007	102.872938	ppb
|	Zn	68	100643.27	0.032	103.539545	ppb
|	As	75	152663.29	0.049	102.004720	ppb
|	Se	77	9360.07	0.003	99.958697	ppb
|	Se	82	12443.27	0.004	101.363739	ppb
⌊>	Y	89	3113921.65	3113921.650		ppb
⌈	Ag	107	756091.78	1.924	102.997457	ppb
|	Ag	109	725291.88	1.846	103.059030	ppb
|	Cd	111	192288.75	0.485	103.402233	ppb
|	Cd	114	436687.90	1.111	102.143832	ppb
|>	In	115	392964.09	392964.093		ppb
|	Sb	121	732192.89	1.863	101.854516	ppb

Sb	123	571983.75	1.455	102.853243	ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	61891.78	0.147	99.435932	ppb
Al	27	44802710.34	106.277	9803.880092	ppb
Sc	45	421540.96	421540.961		ppb
Ti	48	525726.70	0.163	98.490950	ppb
Fe	54	1108882.59	0.327	1974.057992	ppb
Mn	55	1116442.99	0.346	99.584775	ppb
Co	59	835860.13	0.259	99.031610	ppb
Ni	60	178040.58	0.055	98.765384	ppb
Cu	63	412764.18	0.128	98.423647	ppb
Cu	65	202469.69	0.063	99.205277	ppb
Zn	66	137812.54	0.042	98.437352	ppb
Zn	67	23550.40	0.007	98.533361	ppb
Zn	68	98831.69	0.031	98.100020	ppb
As	75	152830.77	0.047	98.540731	ppb
Se	77	9580.21	0.003	98.717858	ppb
Se	82	12408.16	0.004	97.554826	ppb
Y	89	3226714.65	3226714.647		ppb
Ag	107	747666.24	1.847	98.878725	ppb
Ag	109	712864.17	1.761	98.338541	ppb
Cd	111	190256.83	0.466	99.292199	ppb
Cd	114	435799.96	1.077	98.962860	ppb
In	115	404769.51	404769.511		ppb
Sb	121	728973.34	1.801	98.448717	ppb
Sb	123	562972.42	1.391	98.279817	ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Be	9	60493.81	0.143	97.207536	ppb
Al	27	45532128.70	108.027	9965.378381	ppb
Sc	45	421461.67	421461.672		ppb
Ti	48	522029.31	0.163	98.657757	ppb
Fe	54	1097280.22	0.327	1970.395017	ppb
Mn	55	1092252.02	0.341	98.282141	ppb
Co	59	818445.99	0.256	97.820544	ppb
Ni	60	175468.04	0.055	98.193166	ppb
Cu	63	412043.83	0.129	99.115851	ppb
Cu	65	199420.25	0.062	98.569397	ppb
Zn	66	137160.31	0.043	98.835358	ppb
Zn	67	23403.15	0.007	98.788150	ppb
Zn	68	98203.38	0.031	98.333999	ppb
As	75	152843.77	0.048	99.416851	ppb
Se	77	9380.08	0.003	97.489530	ppb
Se	82	12736.54	0.004	101.006914	ppb
Y	89	3198604.18	3198604.182		ppb
Ag	107	741854.71	1.827	97.803582	ppb
Ag	109	714742.63	1.760	98.289698	ppb
Cd	111	187382.00	0.458	97.470987	ppb
Cd	114	437091.69	1.076	98.946160	ppb

>	In	115	406037.77	406037.772		ppb
	Sb	121	741112.64	1.825	99.775650	ppb
	Sb	123	569351.71	1.402	99.083103	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	61428.13	0.148	100.146759	ppb
	Al	27	45096699.50	108.535	10012.224481	ppb
>	Sc	45	415628.09	415628.089		ppb
	Ti	48	526206.61	0.166	100.068156	ppb
	Fe	54	1105658.02	0.331	1999.116075	ppb
	Mn	55	1103680.65	0.347	99.919288	ppb
	Co	59	830905.46	0.261	99.928053	ppb
	Ni	60	177439.91	0.056	99.916155	ppb
	Cu	63	412864.71	0.130	99.927843	ppb
	Cu	65	200922.80	0.063	99.922476	ppb
	Zn	66	137928.33	0.043	100.015631	ppb
	Zn	67	23547.06	0.007	100.064816	ppb
	Zn	68	99226.11	0.031	99.991188	ppb
	As	75	152779.28	0.048	99.987434	ppb
	Se	77	9440.12	0.003	98.722028	ppb
	Se	82	12529.33	0.004	99.975160	ppb
>	Y	89	3179746.83	3179746.827		ppb
	Ag	107	748537.57	1.866	99.893255	ppb
	Ag	109	717632.89	1.789	99.895756	ppb
	Cd	111	189975.86	0.470	100.055140	ppb
	Cd	114	436526.52	1.088	100.017617	ppb
>	In	115	401257.13	401257.125		ppb
	Sb	121	734092.96	1.830	100.026294	ppb
	Sb	123	568102.63	1.416	100.072054	ppb

Relative Std. Dev.

Net Intens. RSD
3.347
2.350
2.448
2.587
2.332
1.829
2.673
2.507
2.037
1.822
2.397
2.434
3.075
1.801
1.251
2.104

1.846
2.744
2.742
3.037
1.841
1.797
1.716
2.440

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	809.155	0.005	3.352
Al	27	384729.452	2.551	235.291
Sc	45	10172.806	10172.806	
Ti	48	4436.767	0.004	2.589
Fe	54	7319.195	0.008	46.610
Mn	55	12150.508	0.006	1.828
Co	59	10865.285	0.007	2.671
Ni	60	1750.609	0.001	2.505
Cu	63	875.483	0.003	2.036
Cu	65	1525.206	0.001	1.821
Zn	66	831.986	0.001	2.397
Zn	67	142.264	0.000	2.435
Zn	68	1266.865	0.001	3.075
As	75	100.656	0.001	1.801
Se	77	121.736	0.000	1.235
Se	82	180.314	0.000	2.104
Y	89	58713.414	58713.414	
Ag	107	7158.416	0.051	2.742
Ag	109	6699.044	0.049	2.740
Cd	111	2465.415	0.014	3.038
Cd	114	660.811	0.020	1.841
In	115	7209.917	7209.917	
Sb	121	6288.749	0.031	1.717
Sb	123	4633.700	0.035	2.442

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Monday, June 11, 2007 16:50:32
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	18.667				ppb
	Al	27	2729.266				ppb
>	Sc	45	410797.522				ppb
	Ti	48	-0.513				ppb
	Fe	54	53170.920				ppb
	Mn	55	913.696				ppb
	Co	59	38.000				ppb
	Ni	60	182.001				ppb
	Cu	63	298.670				ppb
	Cu	65	142.001				ppb
	Zn	66	997.702				ppb
	Zn	67	954.032				ppb
	Zn	68	415.339				ppb
	As	75	288.277				ppb
	Se	77	121.334				ppb
	Se	82	-35.080				ppb
>	Y	89	3231437.656				ppb
	Ag	107	87.000				ppb
	Ag	109	49.000				ppb
	Cd	111	1646.792				ppb
	Cd	114	33.213				ppb
>	In	115	413634.996				ppb
	Sb	121	74.334				ppb
	Sb	123	64.149				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Monday, June 11, 2007 16:55:07
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	622.014	**0.992**	0.01	1.2	ppb
	Al	27	492313.677	**109.576**	0.76	0.7	ppb
>	Sc	45	412166.186				ppb
	Ti	48	5137.945	**0.977**	0.02	2.4	ppb
	Fe	54	81222.778	**54.798**	4.72	8.6	ppb
	Mn	55	12058.087	**1.010**	0.02	2.0	ppb
	Co	59	8384.794	**1.003**	0.04	3.7	ppb
	Ni	60	1982.471	**1.016**	0.02	2.4	ppb
	Cu	63	4561.395	**1.033**	0.04	3.4	ppb
	Cu	65	2185.501	**1.018**	0.03	2.8	ppb
	Zn	66	8173.338	**5.248**	0.08	1.5	ppb
	Zn	67	1972.136	**4.568**	0.14	3.1	ppb
	Zn	68	5497.057	**5.144**	0.08	1.5	ppb
	As	75	1679.117	**0.914**	0.04	4.3	ppb
	Se	77	209.668	**0.955**	0.12	12.5	ppb
	Se	82	67.977	**0.817**	0.18	22.3	ppb
>	Y	89	3181795.126				ppb
	Ag	107	7685.734	**0.990**	0.02	1.9	ppb
	Ag	109	7342.220	**0.991**	0.01	1.3	ppb
	Cd	111	3521.371	**0.977**	0.04	3.6	ppb
	Cd	114	4429.347	**0.983**	0.01	1.0	ppb
>	In	115	410949.653				ppb
	Sb	121	7389.577	**0.973**	0.01	1.4	ppb
	Sb	123	5668.023	**0.964**	0.01	0.9	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Be	9					
	Al	27					
>	Sc	45					
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89					
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Monday, June 11, 2007 16:59:42
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	11636.235	**19.267**	0.52	2.7	ppb
	Al	27	8733885.463	**1938.399**	54.96	2.8	ppb
>	Sc	45	415761.056				ppb
	Ti	48	103883.623	**19.660**	0.75	3.8	ppb
	Fe	54	113575.752	**115.279**	9.42	8.2	ppb
	Mn	55	227169.717	**20.403**	0.71	3.5	ppb
	Co	59	170185.460	**20.360**	0.53	2.6	ppb
	Ni	60	36580.445	**20.418**	0.76	3.7	ppb
	Cu	63	84782.552	**20.359**	0.52	2.6	ppb
	Cu	65	41310.981	**20.387**	0.51	2.5	ppb
	Zn	66	28310.692	**19.860**	0.77	3.9	ppb
	Zn	67	5435.701	**19.784**	0.76	3.9	ppb
	Zn	68	20284.391	**20.008**	0.61	3.0	ppb
	As	75	31041.514	**20.067**	0.63	3.1	ppb
	Se	77	2016.809	**20.002**	1.09	5.5	ppb
	Se	82	2508.413	**20.133**	0.43	2.1	ppb
>	Y	89	3196781.305				ppb
	Ag	107	157719.928	**20.534**	0.79	3.8	ppb
	Ag	109	151116.736	**20.522**	0.56	2.7	ppb
	Cd	111	39688.765	**19.725**	0.76	3.8	ppb
	Cd	114	89063.307	**19.913**	0.74	3.7	ppb
>	In	115	411278.781				ppb
	Sb	121	149443.653	**19.870**	0.77	3.9	ppb
	Sb	123	114309.312	**19.642**	0.58	2.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Monday, June 11, 2007 17:04:19
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	61428.135	**100.147**	3.35	3.3	ppb
	Al	27	45096699.497	**10012.224**	235.29	2.4	ppb
>	Sc	45	415628.089				ppb
	Ti	48	526206.613	**100.068**	2.59	2.6	ppb
	Fe	54	1105658.024	**1999.116**	46.61	2.3	ppb
	Mn	55	1103680.646	**99.919**	1.83	1.8	ppb
	Co	59	830905.456	**99.928**	2.67	2.7	ppb
	Ni	60	177439.908	**99.916**	2.51	2.5	ppb
	Cu	63	412864.706	**99.928**	2.04	2.0	ppb
	Cu	65	200922.802	**99.922**	1.82	1.8	ppb
	Zn	66	137928.332	**100.016**	2.40	2.4	ppb
	Zn	67	23547.057	**100.065**	2.44	2.4	ppb
	Zn	68	99226.115	**99.991**	3.08	3.1	ppb
	As	75	152779.276	**99.987**	1.80	1.8	ppb
	Se	77	9440.118	**98.722**	1.23	1.3	ppb
	Se	82	12529.325	**99.975**	2.10	2.1	ppb
>	Y	89	3179746.827				ppb
	Ag	107	748537.574	**99.893**	2.74	2.7	ppb
	Ag	109	717632.891	**99.896**	2.74	2.7	ppb
	Cd	111	189975.858	**100.055**	3.04	3.0	ppb
	Cd	114	436526.518	**100.018**	1.84	1.8	ppb
>	In	115	401257.125				ppb
	Sb	121	734092.958	**100.026**	1.72	1.7	ppb
	Sb	123	568102.627	**100.072**	2.44	2.4	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel % Difference	Dilution % Difference
Be	9					
Al	27					
Sc	45					
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115					
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Monday, June 11, 2007 17:18:03
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	28.333	0.020	0.01	50.7	ppb
	Al	27	185792212.922	45552.822	1006.38	2.2	ppb
>	Sc	45	376331.016				ppb
	Ti	48	4841462.026	966.980	31.34	3.2	ppb
	Fe	54	52330411.908	104230.727	4219.67	4.0	ppb
	Mn	55	5855.200	0.476	0.02	3.9	ppb
	Co	59	2351.194	0.292	0.02	5.6	ppb
	Ni	60	4140.600	2.351	0.13	5.5	ppb
	Cu	63	12917.505	3.214	0.09	2.7	ppb
	Cu	65	6787.279	3.480	0.17	5.0	ppb
	Zn	66	23613.173	17.403	0.96	5.5	ppb
	Zn	67	4208.620	15.411	0.68	4.4	ppb
	Zn	68	15105.983	15.643	0.68	4.3	ppb
	As	75	397.844	0.089	0.06	68.9	ppb
	Se	77	1080.708	10.759	0.34	3.2	ppb
	Se	82	-42.431	-0.081	0.10	121.0	ppb
>	Y	89	3028517.336				ppb
	Ag	107	998.702	0.129	0.00	3.3	ppb
	Ag	109	897.362	0.125	0.01	7.0	ppb
	Cd	111	1928.279	0.231	0.02	8.5	ppb
	Cd	114	5668.060	1.362	0.06	4.2	ppb
>	In	115	380664.396				ppb
	Sb	121	746.019	0.097	0.01	5.3	ppb
	Sb	123	564.149	0.094	0.01	7.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27	91.1				
Sc	45		91.6			
Ti	46					
Fe	54	83.4				
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		93.7			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		92.0			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	9Be	Q
QC Std 4	60Ni	Q
QC Std 4	66Zn	Q
QC Std 4	67Zn	Q
QC Std 4	68Zn	Q
QC Std 4	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Monday, June 11, 2007 17:22:37
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 5.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	28.667	**0.021**	0.01	66.0	ppb
	Al	27	190003117.967	**47206.992**	671.70	1.4	ppb
>	Sc	45	371355.979				ppb
	Ti	48	5001453.337	**997.013**	10.72	1.1	ppb
	Fe	54	53969797.606	**107275.433**	1906.83	1.8	ppb
	Mn	55	402816.327	**38.184**	0.59	1.5	ppb
	Co	59	286263.090	**36.085**	0.29	0.8	ppb
	Ni	60	63394.684	**37.357**	0.24	0.6	ppb
	Cu	63	148413.488	**37.617**	1.10	2.9	ppb
	Cu	65	72121.272	**37.558**	0.49	1.3	ppb
	Zn	66	38473.405	**28.739**	0.43	1.5	ppb
	Zn	67	7210.820	**29.307**	1.10	3.8	ppb
	Zn	68	25448.315	**26.579**	0.46	1.7	ppb
	As	75	27544.813	**18.748**	0.30	1.6	ppb
	Se	77	2893.293	**30.865**	0.50	1.6	ppb
	Se	82	2333.844	**19.745**	0.43	2.2	ppb
>	Y	89	3032613.934				ppb
	Ag	107	67759.657	**9.709**	0.15	1.6	ppb
	Ag	109	65223.901	**9.753**	0.21	2.1	ppb
	Cd	111	35365.539	**19.339**	0.13	0.7	ppb
	Cd	114	85092.930	**20.951**	0.25	1.2	ppb
>	In	115	373249.297				ppb
	Sb	121	518.009	**0.066**	0.00	2.2	ppb
	Sb	123	381.728	**0.061**	0.01	12.0	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27	94.4				
Sc	45		90.4			
Ti	48					
Fe	54	85.8				
Mn	55	95.5				
Co	59	90.2				
Ni	60	93.4				
Cu	63	94.0				
Cu	65	93.9				
Zn	66	143.7				
Zn	67	146.5				
Zn	68	132.9				
As	75	93.7				
Se	77	154.3				
Se	82	98.7				
Y	89		93.8			
Ag	107	97.1				
Ag	109	97.5				
Cd	111	96.7				
Cd	114	104.8				
In	115		90.2			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	66Zn	Q
QC Std 5	67Zn	Q
QC Std 5	68Zn	Q
QC Std 5	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, June 11, 2007 17:27:12
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 6.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	30711.646	**51.021**	0.41	0.8	ppb
	Al	27	21783600.008	**4929.874**	14.24	0.3	ppb
>	Sc	45	407567.919				ppb
	Ti	48	259592.013	**50.353**	0.39	0.8	ppb
	Fe	54	583133.248	**1029.650**	14.39	1.4	ppb
	Mn	55	545599.941	**50.349**	0.52	1.0	ppb
	Co	59	410021.136	**50.298**	0.90	1.8	ppb
	Ni	60	86355.556	**49.552**	0.76	1.5	ppb
	Cu	63	202641.793	**49.997**	0.77	1.5	ppb
	Cu	65	97530.132	**49.445**	0.69	1.4	ppb
	Zn	66	66701.698	**48.971**	0.42	0.9	ppb
	Zn	67	12076.769	**50.368**	0.51	1.0	ppb
	Zn	68	48118.254	**49.249**	1.14	2.3	ppb
	As	75	73238.204	**48.801**	0.71	1.5	ppb
	Se	77	4734.118	**49.891**	0.61	1.2	ppb
	Se	82	6124.538	**49.994**	1.09	2.2	ppb
>	Y	89	3116648.380				ppb
	Ag	107	375348.578	**50.588**	0.71	1.4	ppb
	Ag	109	360584.024	**50.694**	0.45	0.9	ppb
	Cd	111	94312.956	**49.747**	0.74	1.5	ppb
	Cd	114	216872.665	**50.191**	0.76	1.5	ppb
>	In	115	397162.651				ppb
	Sb	121	365324.632	**50.279**	0.64	1.3	ppb
	Sb	123	281687.083	**50.111**	0.20	0.4	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9	102.0				
Al	27	98.6				
> Sc	45		99.2			
Ti	48	100.7				
Fe	54	103.0				
Mn	55	100.7				
Co	59	100.6				
Ni	60	99.1				
Cu	63	100.0				
Cu	65	98.9				
Zn	66	97.9				
Zn	67	100.7				
Zn	68	98.5				
As	75	97.6				
Se	77	99.8				
Se	82	100.0				
> Y	89		96.4			
Ag	107	101.2				
Ag	109	101.4				
Cd	111	99.5				
Cd	114	100.4				
> In	115		96.0			
Sb	121	100.6				
Sb	123	100.2				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Monday, June 11, 2007 17:31:46
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 7.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	22.333	**0.007**	0.00	39.1	ppb
	Al	27	15923.900	**3.041**	0.27	8.8	ppb
>	Sc	45	402077.174				ppb
	Ti	48	701.154	**0.136**	0.02	17.5	ppb
	Fe	54	54267.237	**5.442**	1.28	23.5	ppb
	Mn	55	1090.042	**0.019**	0.00	7.7	ppb
	Co	59	124.001	**0.011**	0.00	29.6	ppb
	Ni	60	202.668	**0.015**	0.00	23.5	ppb
	Cu	63	565.011	**0.068**	0.01	11.7	ppb
	Cu	65	189.335	**0.026**	0.01	23.1	ppb
	Zn	66	936.364	**-0.021**	0.04	196.0	ppb
	Zn	67	1010.369	**0.393**	0.25	62.5	ppb
	Zn	68	408.339	**0.007**	0.01	187.0	ppb
	As	75	435.006	**0.104**	0.01	13.4	ppb
	Se	77	154.668	**0.401**	0.14	35.1	ppb
	Se	82	-4.795	**0.236**	0.06	24.5	ppb
>	Y	89	3126616.769				ppb
	Ag	107	297.336	**0.029**	0.00	15.1	ppb
	Ag	109	283.670	**0.033**	0.01	23.5	ppb
	Cd	111	1508.721	**-0.036**	0.02	48.1	ppb
	Cd	114	80.984	**0.011**	0.00	35.4	ppb
>	In	115	395752.439				ppb
	Sb	121	1259.722	**0.164**	0.01	4.4	ppb
	Sb	123	974.844	**0.163**	0.01	6.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27					
> Sc	45		97.9			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		96.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		95.7			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A4E
Sample Date/Time: Monday, June 11, 2007 17:55:12
Dilution Factor: 7157305
Analyst: XBE

AR Be & Ti (Zn-AB)

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\J0A4E.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	50.333	**0.095**	0.02	22.4	ppb
	Al	27	517940.538	**175.868**	3.58	2.0	ppb
>	Sc	45	270764.321				ppb
	Ti	48	6459893.290	**1789.864**	12.47	0.7	ppb
	Fe	54	180562.968	**400.002**	1.20	0.3	ppb
	Mn	55	170297.448	**22.403**	0.14	0.6	ppb
	Co	59	8410.147	**1.469**	0.06	4.1	ppb
	Ni	60	19676.544	**16.059**	0.29	1.8	ppb
	Cu	63	3595447.584	**1265.573**	301.11	23.8	ppb
	Cu	65	17462.446	**12.579**	1.42	11.3	ppb
	Zn	66	9406.431	**9.294**	0.36	3.9	ppb
	Zn	67	3784.168	**20.242**	0.53	2.6	ppb
	Zn	68	7244.170	**10.265**	0.15	1.4	ppb
	As	75	3779.638	**3.426**	0.24	7.0	ppb
	Se	77	14574.431	**223.703**	2.39	1.1	ppb
	Se	82	-4680.276	**-53.808**	16.24	30.2	ppb
>	Y	89	2181874.085				ppb
	Ag	107	395.005	**0.071**	0.01	10.1	ppb
	Ag	109	326.337	**0.064**	0.01	18.8	ppb
	Cd	111	-1446.747	**-2.041**	0.17	8.4	ppb
	Cd	114	276.509	**0.091**	0.01	14.7	ppb
>	In	115	258186.168				ppb
	Sb	121	5616.774	**1.180**	0.10	8.3	ppb
	Sb	123	4553.295	**1.236**	0.11	8.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27					
> Sc	45		65.9			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		67.5			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		62.4			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, June 11, 2007 17:59:47
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 6.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Be	9	24785.825	**40.565**	2.05	5.0	ppb
|	Al	27	22674386.003	**5054.898**	164.91	3.3	ppb
⌊>	Sc	45	413978.524				ppb
⌈	Ti	48	310090.686	**58.376**	2.62	4.5	ppb
|	Fe	54	600311.742	**1028.474**	41.56	4.0	ppb
|	Mn	55	568528.037	**50.912**	1.85	3.6	ppb
|	Co	59	432386.690	**51.459**	1.35	2.6	ppb
|	Ni	60	92827.381	**51.703**	2.59	5.0	ppb
|	Cu	63	291469.916	**69.923**	9.36	13.4	ppb
|	Cu	65	107943.647	**53.107**	1.94	3.7	ppb
|	Zn	66	71690.773	**51.103**	1.65	3.2	ppb
|	Zn	67	13619.156	**55.509**	2.14	3.8	ppb
|	Zn	68	51200.267	**50.861**	1.86	3.7	ppb
|	As	75	79587.665	**51.462**	1.48	2.9	ppb
|	Se	77	5388.683	**55.254**	2.87	5.2	ppb
|	Se	82	6296.657	**49.881**	2.30	4.6	ppb
⌊>	Y	89	3213642.382				ppb
⌈	Ag	107	395262.195	**52.561**	1.32	2.5	ppb
|	Ag	109	374671.978	**51.972**	1.30	2.5	ppb
|	Cd	111	95493.786	**49.694**	1.06	2.1	ppb
|	Cd	114	219270.220	**50.069**	1.35	2.7	ppb
|>	In	115	402618.600				ppb
|	Sb	121	367038.447	**49.840**	1.05	2.1	ppb
⌊	Sb	123	281399.499	**49.393**	1.10	2.2	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9	81.1				
Al	27	101.1				
> Sc	45		100.8			
Ti	48	116.8				
Fe	54	102.8				
Mn	55	101.8				
Co	59	102.9				
Ni	60	103.4				
Cu	63	139.8				
Cu	65	106.2				
Zn	66	102.2				
Zn	67	111.0				
Zn	68	101.7				
As	75	102.9				
Se	77	110.5				
Se	82	99.8				
> Y	89		99.4			
Ag	107	105.1				
Ag	109	103.9				
Cd	111	99.4				
Cd	114	100.1				
> In	115		97.3			
Sb	121	99.7				
Sb	123	98.8				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	9Be	Q
QC Std 6	48Ti	Q
QC Std 6	60Ni	Q
QC Std 6	63Cu	Q
QC Std 6	67Zn	Q
QC Std 6	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Monday, June 11, 2007 18:04:22
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 7.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	21.000	**0.005**	0.00	96.0	ppb
	Al	27	9729.647	**1.621**	0.07	4.2	ppb
>	Sc	45	401853.385				ppb
	Ti	48	14299.774	**2.748**	0.27	9.9	ppb
	Fe	54	59164.631	**14.218**	1.15	8.1	ppb
	Mn	55	1367.399	**0.044**	0.00	5.8	ppb
	Co	59	151.334	**0.014**	0.00	0.6	ppb
	Ni	60	269.003	**0.052**	0.01	17.3	ppb
	Cu	63	10814.116	**2.576**	0.24	9.5	ppb
	Cu	65	672.349	**0.269**	0.02	7.0	ppb
	Zn	66	1803.781	**0.614**	0.03	5.0	ppb
	Zn	67	1944.466	**4.544**	0.07	1.5	ppb
	Zn	68	720.018	**0.323**	0.05	15.6	ppb
	As	75	634.700	**0.235**	0.02	7.1	ppb
	Se	77	404.672	**3.068**	0.22	7.2	ppb
	Se	82	-9.595	**0.198**	0.13	66.5	ppb
>	Y	89	3145337.571				ppb
	Ag	107	318.670	**0.032**	0.00	12.4	ppb
	Ag	109	289.670	**0.034**	0.01	14.6	ppb
	Cd	111	1875.749	**0.167**	0.01	5.8	ppb
	Cd	114	75.851	**0.010**	0.00	4.8	ppb
>	In	115	393532.087				ppb
	Sb	121	1413.070	**0.186**	0.00	1.5	ppb
	Sb	123	1094.478	**0.186**	0.01	4.2	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel % Difference	Dilution % Difference
Be	9					
Al	27					
Sc	45		97.8			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		97.3			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		95.1			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 7	48Ti	Q
QC Std 7	63Cu	Q

Quantitative Analysis - Summary Report

Sample ID: J0A5A
Sample Date/Time: Monday, June 11, 2007 18:08:56
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\J0A5A.017

N/A Mn, Ti, Be, (Zn-HB)

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	65.667	**0.201**	0.02	11.4	ppb
	Al	27	3602575.044	**1731.428**	36.26	2.1	ppb
>	Sc	45	191870.575				ppb
	Ti	48	4897970.918	**1734.121**	4.55	0.3	ppb
	Fe	54	7312575.694	**25740.036**	197.49	0.8	ppb
	Mn	55	32859821.360	**5543.684**	43.21	0.8	ppb
	Co	59	34784.318	**7.784**	0.22	2.8	ppb
	Ni	60	22132.133	**23.125**	0.27	1.2	ppb
	Cu	63	12549827.945	**5659.839**	662.94	11.7	ppb
	Cu	65	35944.023	**33.239**	2.71	8.1	ppb
	Zn	66	12339.995	**16.062**	0.24	1.5	ppb
	Zn	67	4575.400	**33.550**	1.59	4.7	ppb
	Zn	68	4388.674	**7.854**	0.26	3.3	ppb
	As	75	6018.830	**7.162**	0.86	12.0	ppb
	Se	77	26166.614	**514.825**	9.57	1.9	ppb
	Se	82	-38401.854	**-568.752**	68.94	12.1	ppb
>	Y	89	1707398.155				ppb
	Ag	107	406.339	**0.104**	0.00	2.2	ppb
	Ag	109	294.670	**0.080**	0.01	12.6	ppb
	Cd	111	-3691.401	**-5.019**	1.93	38.5	ppb
	Cd	114	231.266	**0.105**	0.00	4.4	ppb
>	In	115	188932.781				ppb
	Sb	121	1576.087	**0.446**	0.01	1.6	ppb
	Sb	123	2107.716	**0.777**	0.01	1.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Al	27					
> Sc	45		46.7			
Ti	48					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		52.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		45.7			
Sb	121					
Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
Mn 55 Upper, S, EEE	55Mn	H

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, June 11, 2007 18:13:32
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 6.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Be	9	31848.156	**46.888**	1.70	3.6	ppb
|	Al	27	25263025.220	**5067.103**	62.92	1.2	ppb
⌊>	Sc	45	459892.497				ppb
⌈	Ti	48	376028.495	**64.102**	1.35	2.1	ppb
|	Fe	54	672526.635	**1044.903**	29.36	2.8	ppb
|	Mn	55	648750.127	**52.517**	1.16	2.2	ppb
|	Co	59	473426.754	**51.035**	1.40	2.7	ppb
|	Ni	60	100748.524	**50.805**	1.45	2.8	ppb
|	Cu	63	389784.291	**84.587**	15.52	18.3	ppb
|	Cu	65	116486.234	**51.901**	1.52	2.9	ppb
|	Zn	66	79785.564	**51.519**	1.26	2.4	ppb
|	Zn	67	14662.189	**54.021**	1.33	2.5	ppb
|	Zn	68	55082.019	**49.546**	1.18	2.4	ppb
|	As	75	84055.212	**49.220**	1.03	2.1	ppb
|	Se	77	6089.298	**56.558**	0.77	1.4	ppb
|	Se	82	6643.799	**47.666**	1.06	2.2	ppb
⌊>	Y	89	3546427.024				ppb
⌈	Ag	107	426601.162	**51.279**	1.26	2.5	ppb
|	Ag	109	407301.029	**51.071**	1.24	2.4	ppb
|	Cd	111	105171.755	**49.469**	1.14	2.3	ppb
|	Cd	114	242596.136	**50.073**	0.67	1.3	ppb
|>	In	115	445313.813				ppb
|	Sb	121	405338.569	**49.756**	0.95	1.9	ppb
⌊	Sb	123	312084.900	**49.521**	1.38	2.8	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Be	9	93.8				
	Al	27	101.3				
>	Sc	45		112.0			
	Ti	48	128.2				
	Fe	54	104.5				
	Mn	55	105.2				
	Co	59	102.1				
	Ni	60	101.6				
	Cu	63	109.2				
	Cu	65	103.8				
	Zn	66	103.0				
	Zn	67	108.0				
	Zn	68	99.1				
	As	75	98.4				
	Se	77	113.1				
	Se	82	95.3				
>	Y	89		109.7			
	Ag	107	102.6				
	Ag	109	102.1				
	Cd	111	98.9				
	Cd	114	100.1				
>	In	115		107.7			
	Sb	121	99.5				
	Sb	123	99.0				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	48Ti	Q
QC Std 6	63Cu	Q
QC Std 6	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Monday, June 11, 2007 18:18:06
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.205 GW.mth
Dataset File: c:\elandata\dataset\a070611b\QC Std 7.019

Concentration Results

	Analyte	Mass	Meas. intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	25.000	0.007	0.01	75.6	ppb
	Al	27	16807.420	2.882	0.63	21.8	ppb
>	Sc	45	443758.197				ppb
	Ti	48	39979.484	7.079	0.52	7.3	ppb
	Fe	54	66602.642	18.477	0.76	4.1	ppb
	Mn	55	3398.409	0.206	0.04	18.4	ppb
	Co	59	201.668	0.018	0.00	26.0	ppb
	Ni	60	357.004	0.087	0.00	4.2	ppb
	Cu	63	25777.036	5.742	0.50	8.6	ppb
	Cu	65	1535.416	0.642	0.06	9.7	ppb
	Zn	66	2989.648	1.316	0.15	11.6	ppb
	Zn	67	2107.155	4.533	0.11	2.4	ppb
	Zn	68	872.693	0.409	0.05	11.3	ppb
	As	75	966.212	0.404	0.02	5.3	ppb
	Se	77	669.682	5.342	0.26	4.8	ppb
	Se	82	-57.825	-0.155	0.20	130.1	ppb
>	Y	89	3412596.154				ppb
	Ag	107	371.005	0.034	0.01	14.7	ppb
	Ag	109	310.337	0.033	0.00	14.3	ppb
	Cd	111	1850.682	0.053	0.02	40.6	ppb
	Cd	114	97.131	0.013	0.00	22.5	ppb
>	In	115	437319.469				ppb
	Sb	121	1484.077	0.176	0.01	4.8	ppb
	Sb	123	1130.275	0.172	0.00	2.1	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Be	9					
	Al	27					
>	Sc	45		108.0			
	Ti	48					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		105.6			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		105.7			
	Sb	121					
	Sb	123					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 7	48Ti	Q
QC Std 7	63Cu	Q
QC Std 7	77Se	Q

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020 / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:

Analyst: XE Run Date: 6-12-07 Instrument: A1

Prep Batches: 7157305 (3 of 3)

HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)	✓			✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-12-07

Comments:

2nd Level Reviewer: [illegible] Date: 6/13/07

Comments:

Instrument ID: ICPMS-A1 Analyst Initials: XE / [illegible]

Instrument Method: AIMS FULL 5.2DoGW Date: 6/12/07

Result Data Set: A070612B Method/Test: 6020

Computer Clock Date/Time: 1355 SOP #: AUS-MT-0012

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		**Additional Standards:**			
HNO_3	HND3-00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA-00008		
		ICSAB	MEICSAB-00007		

Calibration Curve Standards:		**Analytical Spike Information:** (9.6 mL sample)		
Std. 1	ME STD1 - 00002	Spike #	Spike Standard ID	Volume
Std. 2	ME STD2 - 00002	1		100 µL
Std. 3	ME STD3 - 00002	2		100 µL
Std. 4		3	[illegible]	100 µL
Std. 5		4	6/12/07	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL
Curve Verification Standards:				
ICV Std.	07MET0274	Sample ID:		
CCV Std.	MECCV - 00002	Sample ID:		
LLCCV Std.		Sample ID:	[illegible] 6/12/07	
		Sample ID:		

Comments:

Instrument ID: ICPMS-A1

6/12/07

Dataset Report

User Name: EscobarX
Computer Name: AUSF5PSP11
Dataset File Path: c:\elandata\dataset\a070612b\
Report Date/Time: Tuesday, June 12, 2007 15:06:56

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	Blank	13:58:30 Tue 12-Jun-07	Blank	Blank.001	
	Standard 1	14:01:46 Tue 12-Jun-07	Standard #1	Standard 1.002	
	Standard 2	14:05:02 Tue 12-Jun-07	Standard #2	Standard 2.003	
	Standard 3	14:08:19 Tue 12-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	14:11:34 Tue 12-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	14:14:49 Tue 12-Jun-07	QC Std #2	QC Std 2.006	
	QC Std 4	14:18:04 Tue 12-Jun-07	QC Std #4	QC Std 4.007	
	QC Std 5	14:21:19 Tue 12-Jun-07	QC Std #5	QC Std 5.008	
	QC Std 6	14:24:34 Tue 12-Jun-07	QC Std #6	QC Std 6.009	
	QC Std 7	14:27:49 Tue 12-Jun-07	QC Std #7	QC Std 7.010	
	J0A4E	14:31:04 Tue 12-Jun-07	Sample	J0A4E.011	7157305 10X
	J0A5A	14:34:20 Tue 12-Jun-07	Sample	J0A5A.012	7157305 10X
	QC Std 6	14:37:35 Tue 12-Jun-07	QC Std #6	QC Std 6.013	
	QC Std 7	14:40:50 Tue 12-Jun-07	QC Std #7	QC Std 7.014	
	J0A4E	14:44:05 Tue 12-Jun-07	Sample	J0A4E.015	7157305
	J0A5A	14:47:21 Tue 12-Jun-07	Sample	J0A5A.016	7157305
	QC Std 6	14:50:37 Tue 12-Jun-07	QC Std #6	QC Std 6.017	
	QC Std 7	14:53:52 Tue 12-Jun-07	QC Std #7	QC Std 7.018	

6/12/07

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Tuesday, June 12, 2007 10:40:50
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2142
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse
Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	62356.9	62356.891	990.184	1.6
	Rh	102.9	184770.8	184770.754	1443.019	0.8
	In	114.9	214514.3	214514.251	2793.293	1.3
	Pb	208.0	159226.2	159226.221	1354.983	0.9
⌈>	Ba	137.9	192011.8	192011.770	1038.655	0.5
⌊	Ba++	69.0	3419.0	0.018	0.000	1.6
⌈>	Ce	139.9	238931.5	238931.474	1803.574	0.8
⌊	CeO	155.9	5389.5	0.023	0.000	2.0
	Bkgd	220.0	18.5	18.534	4.507	24.3
	Be	9.0	2950.4	2950.439	143.243	4.9
	Na	23.0	147596.3	147596.266	2096.961	1.4
	K	39.0	3063.0	3062.995	57.159	1.9
	Fe	53.9	31893.9	31893.856	531.629	1.7
	U	238.1	376675.1	376675.123	2691.038	0.7

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	7.8	1468.4
Co	59	53	8.3	26007.7
In	115	53	9.5	278941.0

Quantitative Analysis Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be	9.012	Linear Thru Zero	0.00138	0.00000	0.999986
Sc	44.956	Linear Thru Zero	0.00000	0.00000	0.000000
Ti	47.948	Linear Thru Zero	0.00183	0.00000	1.000000
Mn	54.938	Linear Thru Zero	0.00367	0.00000	0.999973
Zn	65.926	Linear Thru Zero	0.00043	0.00000	0.999998
Zn	66.927	Linear Thru Zero	0.00007	0.00000	0.999996
Zn	67.925	Linear Thru Zero	0.00031	0.00000	0.999997
Y	88.905	Linear Thru Zero	0.00000	0.00000	0.000000

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Tuesday, June 12, 2007 13:58:30
Sample Description:
Solution Type: Blank
Blank File: c:\elandata\dataset\a070612b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	19.00			ppb
>	Sc	45	389466.55			ppb
	Ti	48	-1551.09			ppb
	Mn	55	1320.06			ppb
	Zn	66	1976.14			ppb
	Zn	67	1361.06			ppb
	Zn	68	1024.04			ppb
>	Y	89	3116951.83			ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	19.00			ppb
>	Sc	45	401436.13			ppb
	Ti	48	-1534.58			ppb
	Mn	55	1391.07			ppb
	Zn	66	2006.14			ppb
	Zn	67	1324.06			ppb
	Zn	68	1026.04			ppb
>	Y	89	3164329.31			ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	16.00			ppb
>	Sc	45	401826.89			ppb
	Ti	48	-1571.86			ppb

Mn	55	1422.07		ppb
Zn	66	1941.13		ppb
Zn	67	1285.06		ppb
Zn	68	1123.04		ppb
Y	89	3143995.88		ppb

Mean Values

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
Be	9	18.00			ppb
Sc	45	397576.53			ppb
Ti	48	-1552.51			ppb
Mn	55	1377.73			ppb
Zn	66	1974.47			ppb
Zn	67	1323.39			ppb
Zn	68	1057.71			ppb
Y	89	3141759.01			ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	1.732		
Sc	45	7026.161		
Ti	48	18.682		
Mn	55	52.296		
Zn	66	32.537		
Zn	67	38.008		
Zn	68	56.593		
Y	89	23767.817		

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Tuesday, June 12, 2007 14:01:46
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070612b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	541.01	0.001	0.992531	ppb
>	Sc	45	381140.45	381140.449		ppb
	Ti	48	4313.54	0.002	1.053945	ppb
	Mn	55	13104.01	0.004	1.067413	ppb
	Zn	66	8813.72	0.002	5.297135	ppb
	Zn	67	2428.21	0.000	5.229734	ppb
	Zn	68	5847.20	0.002	5.110412	ppb
>	Y	89	3007683.21	3007683.210		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	514.01	0.001	0.911055	ppb
>	Sc	45	393380.63	393380.632		ppb
	Ti	48	3999.58	0.002	0.976524	ppb
	Mn	55	12986.90	0.004	1.023845	ppb
	Zn	66	8843.74	0.002	5.130497	ppb
	Zn	67	2451.21	0.000	5.024001	ppb
	Zn	68	5862.20	0.002	4.952632	ppb
>	Y	89	3094394.53	3094394.533		ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Be	9	505.01	0.001	0.869638	ppb
>	Sc	45	404232.35	404232.346		ppb
	Ti	48	4015.30	0.002	0.963362	ppb

Mn	55	13089.99	0.004	1.007021	ppb
Zn	66	8953.81	0.002	5.062702	ppb
Zn	67	2351.19	0.000	4.354907	ppb
Zn	68	5929.23	0.002	4.884587	ppb
> Y	89	3165538.78	3165538.784		ppb

Mean Values

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
Be	9	520.01	0.001	0.924408	ppb
> Sc	45	392917.81	392917.809		ppb
Ti	48	4109.47	0.002	0.997944	ppb
Mn	55	13060.30	0.004	1.032760	ppb
Zn	66	8870.42	0.002	5.163445	ppb
Zn	67	2410.20	0.000	4.869547	ppb
Zn	68	5879.54	0.002	4.982543	ppb
> Y	89	3089205.51	3089205.509		ppb

Relative Std. Dev.

Net Intens. RSD
6.764
2.940
4.904
3.018
2.336
9.393
2.325
2.559

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Be	9	18.736	0.000	0.063
> Sc	45	11552.904	11552.904	
Ti	48	176.904	0.000	0.049
Mn	55	63.951	0.000	0.031
Zn	66	73.757	0.000	0.121
Zn	67	52.382	0.000	0.457
Zn	68	43.680	0.000	0.116
> Y	89	79055.614	79055.614	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Tuesday, June 12, 2007 14:05:02
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070612b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	10656.97	0.028	20.115051	ppb
[>	Sc	45	382040.00	382040.004		ppb
[	Ti	48	112473.60	0.038	20.661861	ppb
	Mn	55	238076.42	0.079	21.394286	ppb
	Zn	66	28789.98	0.009	20.530158	ppb
	Zn	67	5992.26	0.002	21.217936	ppb
	Zn	68	20431.60	0.006	20.477052	ppb
[>	Y	89	3014621.42	3014621.416		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	10576.91	0.027	19.285269	ppb
[>	Sc	45	395456.79	395456.788		ppb
[	Ti	48	110186.01	0.036	19.826053	ppb
	Mn	55	237694.13	0.077	20.907016	ppb
	Zn	66	28828.06	0.009	20.095408	ppb
	Zn	67	6007.26	0.002	20.716466	ppb
	Zn	68	20228.31	0.006	19.813018	ppb
[>	Y	89	3079529.73	3079529.735		ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	10537.89	0.026	19.002589	ppb
[>	Sc	45	399848.53	399848.529		ppb
[	Ti	48	112213.86	0.036	19.678325	ppb

	Mn	55	232141.94	0.073	19.892445	ppb
	Zn	66	28188.78	0.008	19.080818	ppb
	Zn	67	5726.15	0.001	18.838079	ppb
	Zn	68	19965.94	0.006	19.016764	ppb
>	Y	89	3160076.65	3160076.654		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	10590.59	0.027	19.467636	ppb
>	Sc	45	392448.44	392448.441		ppb
	Ti	48	111624.49	0.037	20.055413	ppb
	Mn	55	235970.83	0.076	20.731249	ppb
	Zn	66	28602.27	0.009	19.902128	ppb
	Zn	67	5908.56	0.001	20.257494	ppb
	Zn	68	20208.62	0.006	19.768945	ppb
>	Y	89	3084742.60	3084742.602		ppb

Relative Std. Dev.

Net Intens. RSD
2.970
2.364
2.645
3.696
3.737
6.193
3.698
2.362

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Be	9	60.711	0.001	0.578
>	Sc	45	9277.581	9277.581	
	Ti	48	1252.510	0.001	0.530
	Mn	55	3321.419	0.003	0.766
	Zn	66	358.599	0.000	0.744
	Zn	67	158.148	0.000	1.255
	Zn	68	233.453	0.000	0.731
>	Y	89	72867.599	72867.599	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Tuesday, June 12, 2007 14:08:19
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070612b\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: c:\elandata\Sample\A070611A.sam
Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	55464.46	0.147	105.912738	ppb
[>	Sc	45	378123.86	378123.855		ppb
[	Ti	48	563656.81	0.188	102.524618	ppb
	Mn	55	1143837.00	0.379	103.305917	ppb
	Zn	66	137043.19	0.045	103.226860	ppb
	Zn	67	24220.51	0.008	103.183974	ppb
	Zn	68	97700.95	0.032	102.028612	ppb
[>	Y	89	3012794.20	3012794.203		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	53534.12	0.136	97.873791	ppb
[>	Sc	45	394930.53	394930.526		ppb
[	Ti	48	567529.91	0.181	98.979957	ppb
	Mn	55	1132329.23	0.360	98.041707	ppb
	Zn	66	136978.58	0.043	98.861467	ppb
	Zn	67	24175.44	0.007	98.497670	ppb
	Zn	68	99353.29	0.031	99.447172	ppb
[>	Y	89	3142428.77	3142428.770		ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
[	Be	9	54003.88	0.134	96.535157	ppb
[>	Sc	45	403918.66	403918.658		ppb
[	Ti	48	563257.76	0.180	98.462239	ppb

	Mn	55	1131698.03	0.361	98.212644	ppb
	Zn	66	135416.79	0.043	97.945880	ppb
	Zn	67	24047.22	0.007	98.183428	ppb
	Zn	68	98354.41	0.031	98.665467	ppb
>	Y	89	3135217.46	3135217.457		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Be	9	54334.15	0.139	100.107229	ppb
>	Sc	45	392324.35	392324.347		ppb
	Ti	48	564814.83	0.183	99.988938	ppb
	Mn	55	1135954.75	0.367	99.853423	ppb
	Zn	66	136479.52	0.043	100.011402	ppb
	Zn	67	24147.73	0.007	99.955024	ppb
	Zn	68	98469.55	0.031	100.047084	ppb
>	Y	89	3096813.48	3096813.477		ppb

Relative Std. Dev.

Net Intens. RSD
5.067
3.337
2.211
2.996
2.822
2.802
1.759
2.352

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Be	9	1006.661	0.007	5.072
>	Sc	45	13093.399	13093.399	
	Ti	48	2359.785	0.004	2.211
	Mn	55	6833.515	0.011	2.991
	Zn	66	920.916	0.001	2.822
	Zn	67	89.909	0.000	2.801
	Zn	68	832.164	0.001	1.760
>	Y	89	72852.107	72852.107	

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Tuesday, June 12, 2007 13:58:30
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	18.000				ppb
>	Sc	45	397576.527				ppb
	Ti	48	-1552.507				ppb
	Mn	55	1377.733				ppb
	Zn	66	1974.470				ppb
	Zn	67	1323.395				ppb
	Zn	68	1057.706				ppb
>	Y	89	3141759.009				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45					
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Tuesday, June 12, 2007 14:01:46
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	520.009	**0.924**	0.06	6.8	ppb
>	Sc	45	392917.809				ppb
	Ti	48	4109.473	**0.998**	0.05	4.9	ppb
	Mn	55	13060.301	**1.033**	0.03	3.0	ppb
	Zn	66	8870.420	**5.163**	0.12	2.3	ppb
	Zn	67	2410.203	**4.870**	0.46	9.4	ppb
	Zn	68	5879.543	**4.983**	0.12	2.3	ppb
>	Y	89	3089205.509				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45					
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Tuesday, June 12, 2007 14:05:02
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
[	Be	9	10590.591	**19.468**	0.58	3.0	ppb
[>	Sc	45	392448.441				ppb
[	Ti	48	111624.491	**20.055**	0.53	2.6	ppb
	Mn	55	235970.832	**20.731**	0.77	3.7	ppb
	Zn	66	28602.274	**19.902**	0.74	3.7	ppb
	Zn	67	5908.556	**20.257**	1.25	6.2	ppb
	Zn	68	20208.618	**19.769**	0.73	3.7	ppb
[>	Y	89	3084742.602				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45					
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Tuesday, June 12, 2007 14:08:19
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Be	9	54334.154	**100.107**	5.07	5.1	ppb
⌊>	Sc	45	392324.347				ppb
⌈	Ti	48	564814.827	**99.989**	2.21	2.2	ppb
|	Mn	55	1135954.754	**99.853**	2.99	3.0	ppb
|	Zn	66	136479.520	**100.011**	2.82	2.8	ppb
|	Zn	67	24147.725	**99.955**	2.80	2.8	ppb
|	Zn	68	98469.553	**100.047**	1.76	1.8	ppb
⌊>	Y	89	3096813.477				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel % Difference	Dilution % Difference
Be	9					
Sc	45					
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Tuesday, June 12, 2007 14:18:04
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	33.667	**0.033**	0.00	14.7	ppb
>	Sc	45	369028.880				ppb
	Ti	48	5553727.354	**1026.771**	36.25	3.5	ppb
	Mn	55	5542.075	**0.391**	0.02	6.3	ppb
	Zn	66	14964.834	**10.197**	0.31	3.0	ppb
	Zn	67	3164.684	**8.791**	0.54	6.1	ppb
	Zn	68	8445.163	**8.005**	0.10	1.3	ppb
>	Y	89	2958961.871				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		92.8			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		94.2			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	9Be	Q
QC Std 4	66Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Tuesday, June 12, 2007 14:21:19
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 5.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	27.333	**0.022**	0.01	45.8	ppb
>	Sc	45	361235.917				ppb
	Ti	48	5763149.015	**1073.929**	35.35	3.3	ppb
	Mn	55	434285.995	**40.213**	1.60	4.0	ppb
	Zn	66	33116.675	**24.533**	1.00	4.1	ppb
	Zn	67	6567.843	**24.623**	1.23	5.0	ppb
	Zn	68	21215.409	**21.921**	0.81	3.7	ppb
>	Y	89	2936391.567				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		90.9			
Ti	48					
Mn	55	100.5				
Zn	66	122.7				
Zn	67	123.1				
Zn	68	109.6				
Y	89		93.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	66Zn	Q
QC Std 5	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Tuesday, June 12, 2007 14:24:34
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 6.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	30687.262	**54.699**	1.29	2.3	ppb
>	Sc	45	405068.995				ppb
	Ti	48	280239.815	**46.916**	1.06	2.3	ppb
	Mn	55	571755.827	**47.313**	0.97	2.0	ppb
	Zn	66	67779.082	**46.049**	0.73	1.6	ppb
	Zn	67	12450.423	**45.651**	1.03	2.3	ppb
	Zn	68	48805.226	**46.182**	0.89	1.9	ppb
>	Y	89	3284552.542				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9	109.4				
Sc	45		101.9			
Ti	48	93.8				
Mn	55	94.6				
Zn	66	92.1				
Zn	67	91.3				
Zn	68	92.4				
Y	89		104.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Tuesday, June 12, 2007 14:27:49
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 7.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	26.333	**0.015**	0.00	28.6	ppb
>	Sc	45	395869.084				ppb
	Ti	48	1639.559	**0.553**	0.02	4.4	ppb
	Mn	55	1340.396	**-0.004**	0.00	44.5	ppb
	Zn	66	1639.427	**-0.258**	0.01	3.9	ppb
	Zn	67	1290.058	**-0.202**	0.13	66.2	ppb
	Zn	68	857.359	**-0.212**	0.01	2.7	ppb
>	Y	89	3175218.894				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		99.6			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		101.1			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A4E
Sample Date/Time: Tuesday, June 12, 2007 14:31:04
Dilution Factor: 7157305 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\J0A4E.011

Ti only

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	21.333	**0.008**	0.01	78.8	ppb
>	Sc	45	377359.240				ppb
	Ti	48	887347.721	**166.553**	2.09	1.3	ppb
	Mn	55	27784.661	**2.477**	0.09	3.5	ppb
	Zn	66	3472.756	**1.293**	0.02	1.9	ppb
	Zn	67	1740 106	**2.375**	0.10	4.2	ppb
	Zn	68	2151.829	**1.274**	0.04	3.5	ppb
>	Y	89	2917280.613				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		94.9			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		92.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A5A
Sample Date/Time: Tuesday, June 12, 2007 14:34:20
Dilution Factor: 7157305 10X
Analyst: XBE

Using Mn, Ti.

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\J0A5A.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	30.000	**0.030**	0.00	14.4	ppb
>	Sc	45	345086.282				ppb
	Ti	48	978665.990	**198.681**	8.62	4.3	ppb
	Mn	55	7070848.818	**714.238**	19.19	2.7	ppb
	Zn	66	4746.122	**2.604**	0.14	5.4	ppb
	Zn	67	1764.109	**3.155**	0.13	4.0	ppb
	Zn	68	1741.773	**0.983**	0.04	4.0	ppb
>	Y	89	2697223.942				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		86.8			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		85.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Tuesday, June 12, 2007 14:37:35
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 6.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	27686.142	**50.509**	1.89	3.8	ppb
>	Sc	45	395836.629				ppb
	Ti	48	301652.643	**52.832**	2.58	4.9	ppb
	Mn	55	593337.790	**51.401**	1.81	3.5	ppb
	Zn	66	70709.903	**50.414**	1.49	3.0	ppb
	Zn	67	13049.960	**50.640**	2.36	4.7	ppb
	Zn	68	50322.492	**49.926**	1.86	3.7	ppb
>	Y	89	3138863.212				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9	101.0				
Sc	45		99.6			
Ti	48	105.7				
Mn	55	102.8				
Zn	66	100.8				
Zn	67	101.3				
Zn	68	99.9				
Y	89		99.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Tuesday, June 12, 2007 14:40:50
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.200 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 7.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	29.667	**0.019**	0.02	114.8	ppb
>	Sc	45	411530.416				ppb
	Ti	48	3829.084	**0.910**	0.07	7.9	ppb
	Mn	55	2150.169	**0.060**	0.05	81.1	ppb
	Zn	66	1674.765	**-0.270**	0.06	22.9	ppb
	Zn	67	1390.401	**0.044**	0.22	492.4	ppb
	Zn	68	857.359	**-0.239**	0.01	4.7	ppb
>	Y	89	3278849.817				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		103.5			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		104.4			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A4E
Sample Date/Time: Tuesday, June 12, 2007 14:44:05
Dilution Factor: 7157305
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\J0A4E.015

Be, Zn only

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
[	Be	9	35.667	**0.068**	0.02	24.1	ppb
[>	Sc	45	256139.884				ppb
[	Ti	48	6834201.825	**1665.499**	60.17	3.6	ppb
|	Mn	55	169102.008	**20.415**	0.60	2.9	ppb
|	Zn	66	8762.020	**7.542**	0.28	3.8	ppb
|	Zn	67	3559.443	**15.786**	0.66	4.2	ppb
|	Zn	68	7072.750	**8.953**	0.29	3.2	ppb
[>	Y	89	2244218.237				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
Sc	45		64.4			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		71.4			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A5A
Sample Date/Time: Tuesday, June 12, 2007 14:47:21
Dilution Factor: 7157305
Analyst: XBE

Be, Zn

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\J0A5A.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Be	9	57.333	**0.212**	0.04	19.6	ppb
⌊>	Sc	45	169422.879				ppb
⌈	Ti	48	4814169.046	**1715.076**	47.04	2.7	ppb
|	Mn	55	32611188.337	**5789.861**	175.88	3.0	ppb
|	Zn	66	11123.329	**15.235**	0.42	2.8	ppb
|	Zn	67	3997.559	**29.591**	1.49	5.0	ppb
|	Zn	68	4100.589	**7.427**	0.31	4.1	ppb
⌊>	Y	89	1535132.018				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9					
> Sc	45		42.6			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
> Y	89		48.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
Mn 55 Upper, S, EEE	55Mn	H

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Tuesday, June 12, 2007 14:50:37
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 6.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Be	9	31280.227	**54.794**	2.24	4.1	ppb
>	Sc	45	412356.871				ppb
	Ti	48	408268.505	**66.236**	2.50	3.8	ppb
	Mn	55	648895.506	**52.111**	1.66	3.2	ppb
	Zn	66	78572.871	**52.005**	1.36	2.6	ppb
	Zn	67	14320.508	**51.645**	1.83	3.5	ppb
	Zn	68	53523.443	**49.227**	0.97	2.0	ppb
>	Y	89	3383705.385				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Be	9	109.6				
Sc	45		103.7			
Ti	48	132.5				
Mn	55	104.2				
Zn	66	104.0				
Zn	67	103.3				
Zn	68	98.5				
Y	89		107.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	48Ti	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Tuesday, June 12, 2007 14:53:52
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.206 GW.mth
Dataset File: c:\elandata\dataset\a070612b\QC Std 7.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Be	9	20.333	**0.005**	0.01	163.0	ppb
⌊>	Sc	45	390903.921				ppb
⌈	Ti	48	35666.780	**6.329**	0.48	7.6	ppb
|	Mn	55	4802.940	**0.292**	0.22	74.5	ppb
|	Zn	66	3059.994	**0.740**	0.08	11.2	ppb
|	Zn	67	2065.816	**2.981**	0.29	9.9	ppb
|	Zn	68	1113.377	**0.028**	0.01	33.9	ppb
⌊>	Y	89	3223550.080				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel % Difference	Dilution % Difference
Be	9					
Sc	45		98.3			
Ti	48					
Mn	55					
Zn	66					
Zn	67					
Zn	68					
Y	89		102.6			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 7	48Ti	Q

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6020

Associated Samples: 1, 3

Batch Number: 7162268 (Part 3 of 3)

QC & Sample Data

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020/ EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 6-14-07 Instrument: A1
Prep Batches: 7116268 (3 & 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)	✓			✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-19-07
Comments:

2nd Level Reviewer: [signature] Date: 6/19/07
Comments:

Analyst: NE Date: 6/1/07

Digestion Method: 3050b (MS)

SOP No#: (Circle one)
AUS-IP-0002, current revision
AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) ____

Digestion Cup Lot #: 07G22L5131

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C		
D		
E		

Spiking Solutions:

.05 mL StdsLog # 07MET0838

.05 mL StdsLog # 07MET0836

.05 mL StdsLog # METF&SB_00001

.05 mL StdsLog # MEMULTI_00001

mL StdsLog # ____

mL StdsLog # ____

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)		HCl (1:1)	
HNO_3 (1:4)		HCl (conc.)	
HNO3 (conc.)		H_2O_2	

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
B	NA	50	50	
C				
JODKA				
-5				
-D				
JODTG				
JODTN				
JOKEV				
JOKHE				
JOKHG				
JOKHH				
JOKHJ				

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
JUN9A	NA	50	50	
JUN9B				
JUN9B				
JUN9A				
JUN9C				
JUN9D				
JUN9E				
JUN9F				
Added 2 samples, ~~[illegible]~~ 6/26/07				
JOA4E	NA	50	50	Added to Batch for
JOA5E				Lithium ~~[illegible]~~ 6/26/07

6/11/07

PE ICPMS (A1) Serial Dilution and Analytical Spike Recovery Calculations STL, Austin

BATCH # 7162268 *S.D. Criteria = 10%*

Work Order: J0DKA *A.S. Criteria=75-125%*

Instrument Factor: 1

AS DF 1.04

MDL (ug/L)	A. Spike (mg/L)	Element	Original Result (ug/L)	S.D. Result (ug/L)	A.S. Result (ug/L)	SD % Difference	AS % Recovery	SD Flag	A.S. <75% Flag	A.S. >125% Flag
1.181	50	Li								
0.0796	50	Be								
	50	B								
23.63	5000	Na								
6.231	5000	Mg								
19.4	5000	Al								
24.51	5000	K								
25.45	5000	Ca								
0.144	50	Ti								
0.091	50	V								
0.123	50	Cr	0.211	0.058	47.358	<50 x MDL	94.31			
13.22	5000	Fe								
3	50	Mn	7.48	1.554	55.704	<50 x MDL	97.02			
0.0789	50	Co								
0.185	50	Ni								
0.16	50	Cu								
2.653	50	Zn								
0.0983	50	As	0.275	0.074	46.64	<50 x MDL	92.75			
0.253	50	Se	0.409	0.044	48.518	<50 x MDL	96.25			
0.102	50	Sr								
0.05	50	Mo								
0.075	10	Ag	0	0	9.351	<50 x MDL	93.51			
0.05	50	Cd	0	0	48.171	<50 x MDL	96.34			
0.05	50	Sn								
0.05	50	Sb								
0.18	50	Ba	2.42	0.498	51.023	<50 x MDL	97.39			
0.05	50	Tl								
0.0954	50	Pb	0.041	0	46.654	<50 x MDL	93.23			

Instrument ID: ICPA1

Instrument model: ICP MS Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	500	P	N/A
Sb	10	K	500
As	10	Se	10
Ba	10	Si	N/A
Be	10	Ag	10
Bi	N/A	Na	500
B	N/A	Sr	5
Cd	10	S	N/A
Ca	800	Te	N/A
Cr	10	Tl	10
Co	10	Sn	10
Cu	10	Ti	5
Fe	500	W	N/A
Pb	10	V	5
Mg	500	Zn	5
Mn	5	U	N/A
Mo	5	Pd	N/A
Ni	10	Au	N/A

Linearity: 06/03/03

Instrument ID: ICPMS-A1 Analyst Initials: YF

Instrument Method: AA 365 FULLS.206 600 Date: 6-14-07

Result Data Set: [illegible] Method/Test: 6020

Computer Clock Date/Time: 6/14/07/1346 SOP #: KOS MT-0012

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		**Additional Standards:**			
HNO_3	HNO3_00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA_00018		
		ICSAB	MEICSAB_00017		

Calibration Curve Standards:		**Analytical Spike Information:** (9.6 mL sample)		
Std. 1	MESTD1_00002	Spike #	Spike Standard ID	Volume
Std. 2	MESTD2_00002	1	07MET0188	100 µL
Std. 3	MESTD3_00002	2	07MET0189	100 µL
Std. 4	N/A	3	07MET0190	100 µL
Std. 5	↓	4	07MET0191	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL
Curve Verification Standards:				
ICV Std.	07MET0174	Sample ID: JODKA		
CCV Std.	MECCV_00002	Sample ID: 10th		
LLCCV Std.		Sample ID: ↓		
		Sample ID:		

Comments:

In: User Name: EscobarX
Computer Name: AUSF5PSP11
Dataset File Path: c:\elandata\dataset\a070614a\
Report Date/Time: Thursday, June 14, 2007 17:01:04

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	Blank	13:46:23 Thu 14-Jun-07	Blank	Blank.001	
	Standard 1	13:49:38 Thu 14-Jun-07	Standard #1	Standard 1.002	
	Standard 2	13:52:54 Thu 14-Jun-07	Standard #2	Standard 2.003	
	Standard 3	13:56:11 Thu 14-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	13:59:27 Thu 14-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	14:02:42 Thu 14-Jun-07	QC Std #2	QC Std 2.006	
	QC Std 4	14:05:56 Thu 14-Jun-07	QC Std #4	QC Std 4.007	
	QC Std 5	14:09:11 Thu 14-Jun-07	QC Std #5	QC Std 5.008	
NOT	QC Std 6	14:12:26 Thu 14-Jun-07	QC Std #6	QC Std 6.009	
USED	QC Std 7	14:15:41 Thu 14-Jun-07	QC Std #7	QC Std 7.010 NOT	
	J0PX1B	14:18:56 Thu 14-Jun-07	Sample	J0PX1B.011	7162268
	J0PX1C	14:22:12 Thu 14-Jun-07	Sample	J0PX1C.012 USED	7162268
	J0DKA	14:25:28 Thu 14-Jun-07	Sample	J0DKA.013	7162268
	SD5X	14:28:44 Thu 14-Jun-07	Sample	SD5X.014	7162268
	AS1.04X	14:32:00 Thu 14-Jun-07	Sample	AS1.04X.015	7162268
	QC Std 5	14:37:45 Thu 14-Jun-07	QC Std #5	QC Std 5.016	
	QC Std 6	14:41:00 Thu 14-Jun-07	QC Std #6	QC Std 6.017	
	QC Std 7	14:44:15 Thu 14-Jun-07	QC Std #7	QC Std 7.018	
	J0PX1B	14:47:30 Thu 14-Jun-07	Sample	J0PX1B.019	7162268
	J0PX1C	14:50:46 Thu 14-Jun-07	Sample	J0PX1C.020	7162268
	J0DKA	14:54:02 Thu 14-Jun-07	Sample	J0DKA.021	7162268
	SD5X	14:57:18 Thu 14-Jun-07	Sample	SD5X.022	7162268
	AS1.04X	15:00:34 Thu 14-Jun-07	Sample	AS1.04X.023	7162268
	J0DKAS	15:03:50 Thu 14-Jun-07	Sample	J0DKAS.024	7162268
	J0DKAD	15:07:06 Thu 14-Jun-07	Sample	J0DKAD.025	7162268
	J0KGV	15:10:22 Thu 14-Jun-07	Sample	J0KGV.026	7162268
	J0KHE	15:13:39 Thu 14-Jun-07	Sample	J0KHE.027	7162268
	J0KHG	15:16:57 Thu 14-Jun-07	Sample	J0KHG.028	7162268
	QC Std 6	15:20:13 Thu 14-Jun-07	QC Std #6	QC Std 6.029	
	QC Std 7	15:23:28 Thu 14-Jun-07	QC Std #7	QC Std 7.030	
	J0KHH	15:26:43 Thu 14-Jun-07	Sample	J0KHH.031	7162268
	J0KHJ	15:29:59 Thu 14-Jun-07	Sample	J0KHJ.032	7162268
	J0KHK	15:33:16 Thu 14-Jun-07	Sample	J0KHK.033	7162268
	J0KHM	15:36:32 Thu 14-Jun-07	Sample	J0KHM.034	7162268
	J0M88	15:39:48 Thu 14-Jun-07	Sample	J0M88.035	7162268
	J0M9A	15:43:05 Thu 14-Jun-07	Sample	J0M9A.036	7162268
	J0M9C	15:46:21 Thu 14-Jun-07	Sample	J0M9C.037	7162268
	J0M9D	15:49:37 Thu 14-Jun-07	Sample	J0M9D.038	7162268
	QC Std 6	15:52:53 Thu 14-Jun-07	QC Std #6	QC Std 6.039	
	QC Std 7	15:56:08 Thu 14-Jun-07	QC Std #7	QC Std 7.040	
	J0A4E	15:59:24 Thu 14-Jun-07	Sample	J0A4E.041	7162268
NOT USED	J0A5A	16:02:41 Thu 14-Jun-07	Sample	J0A5A.042	7162268
	J0A5A	16:07:31 Thu 14-Jun-07	Sample	J0A5A.043	7162268 10X
	J0DTG NOT used	16:14:31 Thu 14-Jun-07	Sample	J0DTG.044	7162268 10X
	J0DTN NOT used	16:17:48 Thu 14-Jun-07	Sample	J0DTN.045	7162268 10X
	QC Std 6	16:21:19 Thu 14-Jun-07	QC Std #6	QC Std 6.046	
	QC Std 7	16:24:34 Thu 14-Jun-07	QC Std #7	QC Std 7.047	
	J0DTG	16:27:49 Thu 14-Jun-07	Sample	J0DTG.048	7162268
	J0DTN	16:32:08 Thu 14-Jun-07	Sample	J0DTN.049	7162268
	QC Std 6	16:36:56 Thu 14-Jun-07	QC Std #6	QC Std 6.050	
	QC Std 7	16:40:26 Thu 14-Jun-07	QC Std #7	QC Std 7.051	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, June 14, 2007 13:38:20
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2148
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse
Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	113245.5	113245.537	5540.361	4.9
	Rh	102.9	326644.8	326644.807	3660.297	1.1
	In	114.9	414696.9	414696.854	8106.033	2.0
	Pb	208.0	324885.3	324885.274	4482.391	1.4
⌈>	Ba	137.9	375982.4	375982.366	2114.822	0.6
⌊	Ba++	69.0	5593.3	0.015	0.000	1.5
⌈>	Ce	139.9	456883.0	456883.027	6450.397	1.4
⌊	CeO	155.9	11933.8	0.026	0.001	2.2
	Bkgd	220.0	16.3	16.267	4.017	24.7
	Be	9.0	4515.1	4515.114	110.498	2.4
	Na	23.0	684639.3	684639.349	21045.430	3.1
	K	39.0	141817.0	141817.013	1112.416	0.8
	Fe	53.9	60001.7	60001.724	1370.385	2.3
	U	238.1	765253.1	765253.141	9953.426	1.3

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	8.5	5257.6
Co	59	53	8.8	58220.1
In	115	53	10.5	495078.8

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Thursday, June 14, 2007 13:46:23
Sample Description:
Solution Type: Blank
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	312.00			ppb
	Be	9	18.00			ppb
	Al	27	5827.19			ppb
>	Sc	45	495276.16			ppb
	Zn	66	2647.25			ppb
	Zn	67	1811.11			ppb
	Zn	68	1552.08			ppb
>	Y	89	3654588.05			ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	316.00			ppb
	Be	9	13.00			ppb
	Al	27	6044.28			ppb
>	Sc	45	506449.84			ppb
	Zn	66	2775.27			ppb
	Zn	67	1829.12			ppb
	Zn	68	1584.09			ppb
>	Y	89	3783715.42			ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	295.00			ppb
	Be	9	6.00			ppb
	Al	27	6598.52			ppb

Sc	45	520357.50		ppb
Zn	66	2794.27		ppb
Zn	67	1832.12		ppb
Zn	68	1617.09		ppb
Y	89	3783325.26		ppb

Mean Values

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
Li	6	307.67			ppb
Be	9	12.33			ppb
Al	27	6156.66			ppb
Sc	45	507361.17			ppb
Zn	66	2738.93			ppb
Zn	67	1824.12			ppb
Zn	68	1584.42			ppb
Y	89	3740542.91			ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	11.151		
Be	9	6.028		
Al	27	397.759		
Sc	45	12565.484		
Zn	66	79.967		
Zn	67	11.359		
Zn	68	32.505		
Y	89	74439.350		

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Thursday, June 14, 2007 13:49:38
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4262.55	0.009	1.053599	ppb
	Be	9	801.02	0.002	1.067819	ppb
	Al	27	644323.91	1.374	112.042139	ppb
>	Sc	45	464979.01	464979.014		ppb
	Zn	66	11144.35	0.002	5.235879	ppb
	Zn	67	3072.33	0.000	4.898311	ppb
	Zn	68	7543.99	0.002	5.142265	ppb
>	Y	89	3566868.83	3566868.832		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4275.55	0.008	0.976004	ppb
	Be	9	759.02	0.001	0.937534	ppb
	Al	27	659695.16	1.305	106.451614	ppb
>	Sc	45	500843.29	500843.290		ppb
	Zn	66	11206.39	0.002	4.959916	ppb
	Zn	67	3031.32	0.000	4.238879	ppb
	Zn	68	7470.95	0.002	4.789211	ppb
>	Y	89	3737553.91	3737553.911		ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4132.52	0.007	0.913594	ppb
	Be	9	730.02	0.001	0.876525	ppb
	Al	27	659792.51	1.270	103.582516	ppb

>	Sc	45	514660.61	514660.605		ppb
	Zn	66	11202.39	0.002	4.793696	ppb
	Zn	67	3038.32	0.000	3.997255	ppb
	Zn	68	7638.04	0.002	4.769925	ppb
>	Y	89	3833310.26	3833310.263		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	4223.54	0.008	0.981065	ppb
	Be	9	763.35	0.002	0.960626	ppb
	Al	27	654603.86	1.316	107.358756	ppb
>	Sc	45	493494.30	493494.303		ppb
	Zn	66	11184.38	0.002	4.996497	ppb
	Zn	67	3047.32	0.000	4.378148	ppb
	Zn	68	7551.00	0.002	4.900467	ppb
>	Y	89	3712577.67	3712577.668		ppb

Relative Std. Dev.

Net Intens. RSD
7.149
10.172
4.007
5.196
4.470
10.653
4.278
3.635

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	79.093	0.001	0.070
	Be	9	35.700	0.000	0.098
	Al	27	8902.829	0.053	4.302
>	Sc	45	25643.144	25643.144	
	Zn	66	34.726	0.000	0.223
	Zn	67	21.936	0.000	0.466
	Zn	68	83.764	0.000	0.210
>	Y	89	134965.249	134965.249	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Thursday, June 14, 2007 13:52:54
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	80911.06	0.178	21.916202	ppb
Be	9	15684.61	0.035	21.762004	ppb
Al	27	11986442.91	26.458	2158.208245	ppb
> Sc	45	452822.73	452822.727		ppb
Zn	66	37493.14	0.010	22.522510	ppb
Zn	67	7540.99	0.002	22.667024	ppb
Zn	68	26976.45	0.008	22.822719	ppb
> Y	89	3401554.85	3401554.847		ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	79806.66	0.164	20.210649	ppb
Be	9	15404.30	0.032	19.987031	ppb
Al	27	11848667.71	24.459	1995.098517	ppb
> Sc	45	484194.82	484194.821		ppb
Zn	66	37181.32	0.009	20.718864	ppb
Zn	67	7554.00	0.002	20.766741	ppb
Zn	68	26140.90	0.007	20.510506	ppb
> Y	89	3645835.63	3645835.634		ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	79399.42	0.152	18.713085	ppb
Be	9	15260.15	0.029	18.431121	ppb
Al	27	12068214.73	23.191	1891.650319	ppb

⌊>	Sc	45	520122.16	520122.163		ppb
⌈	Zn	66	37252.51	0.009	19.459435	ppb
|	Zn	67	7645.05	0.001	19.493691	ppb
|	Zn	68	26359.30	0.006	19.412811	ppb
⌊>	Y	89	3871239.56	3871239.558		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
⌈	Li	6	80039.05	0.165	20.279979	ppb
|	Be	9	15449.68	0.032	20.060052	ppb
|	Al	27	11967775.12	24.703	2014.985694	ppb
⌊>	Sc	45	485713.24	485713.237		ppb
⌈	Zn	66	37308.99	0.010	20.900270	ppb
|	Zn	67	7580.01	0.002	20.975819	ppb
|	Zn	68	26492.21	0.007	20.915345	ppb
⌊>	Y	89	3639543.35	3639543.346		ppb

Relative Std. Dev.

Net Intens. RSD
7.903
8.308
6.669
6.933
7.366
7.613
8.322
6.454

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
⌈	Li	6	782.155	0.013	1.603
|	Be	9	215.838	0.003	1.667
|	Al	27	110957.599	1.648	134.387
⌊>	Sc	45	33675.402	33675.402	
⌈	Zn	66	163.400	0.001	1.540
|	Zn	67	56.696	0.000	1.597
|	Zn	68	433.343	0.001	1.741
⌊>	Y	89	234905.569	234905.569	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Thursday, June 14, 2007 13:56:11
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	404979.08	0.848	104.322355	ppb
Be	9	79455.35	0.166	104.619209	ppb
Al	27	60367185.66	126.431	10312.951342	ppb
> Sc	45	477426.65	477426.650		ppb
Zn	66	176189.84	0.048	105.166379	ppb
Zn	67	30785.13	0.008	105.330820	ppb
Zn	68	127774.88	0.035	106.262722	ppb
> Y	89	3611866.38	3611866.384		ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	401429.58	0.801	98.597873	ppb
Be	9	78131.07	0.156	98.093285	ppb
Al	27	60987689.45	121.793	9934.683531	ppb
> Sc	45	500697.30	500697.304		ppb
Zn	66	174968.97	0.045	99.155670	ppb
Zn	67	30894.37	0.008	100.153617	ppb
Zn	68	125371.73	0.033	98.993998	ppb
> Y	89	3800810.59	3800810.585		ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	405716.56	0.787	96.912352	ppb
Be	9	79649.42	0.155	97.252656	ppb
Al	27	61501340.16	119.445	9743.152949	ppb

>	Sc	45	514838.86	514838.859		ppb
	Zn	66	176195.92	0.043	95.138314	ppb
	Zn	67	30538.61	0.007	94.023350	ppb
	Zn	68	125219.40	0.031	94.209003	ppb
>	Y	89	3986405.98	3986405.981		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	404041.74	0.812	99.944194	ppb
	Be	9	79078.61	0.159	99.988383	ppb
	Al	27	60952071.76	122.556	9996.929274	ppb
>	Sc	45	497654.27	497654.271		ppb
	Zn	66	175784.91	0.046	99.820121	ppb
	Zn	67	30739.37	0.008	99.835929	ppb
	Zn	68	126122.00	0.033	99.821908	ppb
>	Y	89	3799694.32	3799694.317		ppb

Relative Std. Dev.

Net Intens. RSD
3.886
4.033
2.900
3.796
5.056
5.670
6.080
4.929

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	2292.053	0.032	3.884
	Be	9	826.313	0.006	4.032
	Al	27	567915.551	3.555	289.954
>	Sc	45	18890.828	18890.828	
	Zn	66	706.628	0.002	5.047
	Zn	67	182.244	0.000	5.660
	Zn	68	1433.458	0.002	6.069
>	Y	89	187272.294	187272.294	

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Thursday, June 14, 2007 13:46:23
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Li	6	307.669				ppb
	Be	9	12.333				ppb
	Al	27	6156.663				ppb
>	Sc	45	507361.169				ppb
	Zn	66	2738.929				ppb
	Zn	67	1824.116				ppb
	Zn	68	1584.421				ppb
>	Y	89	3740542.910				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Thursday, June 14, 2007 13:49:38
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	4223.542	**0.981**	0.07	7.1	ppb
	Be	9	763.354	**0.961**	0.10	10.2	ppb
	Al	27	654603.861	**107.359**	4.30	4.0	ppb
>	Sc	45	493494.303				ppb
	Zn	66	11184.376	**4.996**	0.22	4.5	ppb
	Zn	67	3047.325	**4.378**	0.47	10.7	ppb
	Zn	68	7550.995	**4.900**	0.21	4.3	ppb
>	Y	89	3712577.668				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Thursday, June 14, 2007 13:52:54
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	80039.048	**20.280**	1.60	7.9	ppb
	Be	9	15449.684	**20.060**	1.67	8.3	ppb
	Al	27	11967775.116	**2014.986**	134.39	6.7	ppb
>	Sc	45	485713.237				ppb
	Zn	66	37308.989	**20.900**	1.54	7.4	ppb
	Zn	67	7580.011	**20.976**	1.60	7.6	ppb
	Zn	68	26492.213	**20.915**	1.74	8.3	ppb
>	Y	89	3639543.346				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Thursday, June 14, 2007 13:56:11
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	404041.740	**99.944**	3.88	3.9	ppb
|	Be	9	79078.615	**99.988**	4.03	4.0	ppb
|	Al	27	60952071.756	**9996.929**	289.95	2.9	ppb
⌊>	Sc	45	497654.271				ppb
⌈	Zn	66	175784.910	**99.820**	5.05	5.1	ppb
|	Zn	67	30739.370	**99.836**	5.66	5.7	ppb
|	Zn	68	126122.004	**99.822**	6.07	6.1	ppb
⌊>	Y	89	3799694.317				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, June 14, 2007 14:05:56
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	967.027	**0.185**	0.02	10.0	ppb
|	Be	9	24.667	**0.019**	0.01	64.4	ppb
|	Al	27	263979355.944	**47057.316**	4692.25	10.0	ppb
⌊>	Sc	45	460351.089				ppb
⌈	Zn	66	13151.719	**5.272**	0.81	12.9	ppb
|	Zn	67	3163.350	**4.931**	0.83	16.8	ppb
|	Zn	68	7102.766	**4.620**	0.62	13.5	ppb
⌊>	Y	89	3677893.139				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	94.1				
Sc	45		90.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		98.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	6Li	Q
QC Std 4	9Be	Q
QC Std 4	27Al	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, June 14, 2007 14:37:45
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 5.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	978.695	**0.190**	0.01	3.1	ppb
	Be	9	31.000	**0.028**	0.02	78.7	ppb
	Al	27	271361381.252	**48658.905**	2632.16	5.4	ppb
>	Sc	45	455868.345				ppb
	Zn	66	41639.265	**23.735**	1.79	7.6	ppb
	Zn	67	7857.827	**22.228**	1.68	7.5	ppb
	Zn	68	26667.200	**21.244**	1.43	6.7	ppb
>	Y	89	3607427.319				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	97.3				
Sc	45		89.9			
Zn	66	118.7				
Zn	67	111.1				
Zn	68	106.2				
Y	89		96.4			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	27Al	Q
QC Std 5	66Zn	Q
QC Std 5	67Zn	Q
QC Std 5	68Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 14:41:00
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	204284.180	**49.799**	2.20	4.4	ppb
	Be	9	40407.403	**50.382**	2.26	4.5	ppb
	Al	27	30239882.533	**4889.790**	122.08	2.5	ppb
>	Sc	45	504652.563				ppb
	Zn	66	88904.466	**49.714**	1.82	3.7	ppb
	Zn	67	15739.000	**48.025**	2.42	5.0	ppb
	Zn	68	63378.299	**49.530**	2.08	4.2	ppb
>	Y	89	3794800.074				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	99.6				
Be	9	100.8				
Al	27	97.8				
Sc	45		99.5			
Zn	66	99.4				
Zn	67	96.0				
Zn	68	99.1				
Y	89		101.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 14:44:15
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	401.671	**0.022**	0.02	69.0	ppb
	Be	9	32.000	**0.024**	0.01	31.7	ppb
	Al	27	37642.124	**5.042**	3.74	74.2	ppb
>	Sc	45	511329.812				ppb
	Zn	66	1886.458	**-0.528**	0.03	5.6	ppb
	Zn	67	1325.061	**-1.871**	0.04	1.9	ppb
	Zn	68	1084.375	**-0.429**	0.04	10.3	ppb
>	Y	89	3841509.961				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		100.8			
Zn	66					
Zn	67					
Zn	68					
Y	89		102.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1B
Sample Date/Time: Thursday, June 14, 2007 14:47:30
Dilution Factor. 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0PX1B.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc SD	Conc. RSD	Sample Unit
⌈	Li	6	269.002	-0.009	0.01	100.4	ppb
|	Be	9	17.333	0.006	0.00	52.8	ppb
|	Al	27	56723.422	8.222	0.58	7.1	ppb
⌊>	Sc	45	503162.549				ppb
⌈	Zn	66	3270.708	0.300	0.06	18.4	ppb
|	Zn	67	1526.082	-1.074	0.29	27.0	ppb
|	Zn	68	2056.148	0.373	0.04	12.0	ppb
⌊>	Y	89	3766169.406				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		99.2			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1C
Sample Date/Time: Thursday, June 14, 2007 14:50:46
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0PX1C.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	203523.973	**48.976**	2.20	4.5	ppb
	Be	9	39075.371	**48.078**	1.45	3.0	ppb
	Al	27	29400289.819	**4693.414**	126.38	2.7	ppb
>	Sc	45	511167.324				ppb
	Zn	66	87198.316	**48.605**	1.76	3.6	ppb
	Zn	67	15371.601	**46.637**	2.89	6.2	ppb
	Zn	68	61734.105	**48.092**	2.05	4.3	ppb
>	Y	89	3804525.701				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		100.8			
Zn	66					
Zn	67					
Zn	68					
Y	89		101.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKA
Sample Date/Time: Thursday, June 14, 2007 14:54:02
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKA.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	143557.581	**34.603**	0.57	1.7	ppb
	Be	9	44.333	**0.039**	0.01	15.4	ppb
	Al	27	352029.071	**55.368**	0.75	1.4	ppb
>	Sc	45	509549.467				ppb
	Zn	66	5035.221	**1.321**	0.09	6.7	ppb
	Zn	67	1656.429	**-0.632**	0.10	15.8	ppb
	Zn	68	2868.288	**1.025**	0.07	6.5	ppb
>	Y	89	3770287.679				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		100.4			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: SD5X
Sample Date/Time: Thursday, June 14, 2007 14:57:18
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\SD5X.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	30991.432	7.674	0.56	7.3	ppb
	Be	9	19.333	0.009	0.00	11.9	ppb
	Al	27	80196.694	12.307	1.23	10.0	ppb
>	Sc	45	493682.276				ppb
	Zn	66	2683.252	0.007	0.15	2296.2	ppb
	Zn	67	1316.394	-1.675	0.19	11.3	ppb
	Zn	68	1549.751	0.004	0.15	3446.2	ppb
>	Y	89	3663112.874				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		97.3			
Zn	66					
Zn	67					
Zn	68					
Y	89		97.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: AS1.04X
Sample Date/Time: Thursday, June 14, 2007 15:00.34
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\AS1.04X.023

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	136812.307	**33.203**	0.68	2.1	ppb
|	Be	9	36975.463	**45.923**	0.35	0.8	ppb
|	Al	27	28227310.884	**4548.580**	41.90	0.9	ppb
⌊>	Sc	45	506114.626				ppb
⌈	Zn	66	84939.778	**47.700**	0.77	1.6	ppb
|	Zn	67	14832.696	**45.171**	1.00	2.2	ppb
|	Zn	68	59590.699	**46.758**	0.89	1.9	ppb
⌊>	Y	89	3771657.547				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		99.8			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAS
Sample Date/Time: Thursday, June 14, 2007 15:03:50
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKAS.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	328967.768	**77.891**	1.12	1.4	ppb
	Be	9	36673.013	**44.385**	0.59	1.3	ppb
	Al	27	27744582.295	**4356.601**	6.86	0.2	ppb
>	Sc	45	519347.254				ppb
	Zn	66	82689.639	**45.611**	0.16	0.3	ppb
	Zn	67	14485.341	**43.139**	0.38	0.9	ppb
	Zn	68	58224.080	**44.890**	0.30	0.7	ppb
>	Y	89	3833440.313				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		102.4			
Zn	66					
Zn	67					
Zn	68					
Y	89		102.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAD
Sample Date/Time: Thursday, June 14, 2007 15:07:06
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKAD.025

Concentration Results

Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
Li	6	336681.959	**79.541**	0.59	0.7	ppb
Be	9	37056.003	**44.748**	0.32	0.7	ppb
Al	27	28700419.259	**4496.683**	16.47	0.4	ppb
Sc	45	520493.727				ppb
Zn	66	86201.301	**47.861**	0.07	0.1	ppb
Zn	67	14944.480	**44.966**	0.62	1.4	ppb
Zn	68	60509.884	**46.941**	0.09	0.2	ppb
Y	89	3814320.689				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		102.6			
Zn	66					
Zn	67					
Zn	68					
Y	89		102.0			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 15:20:13
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.029

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	205613.412	**52.070**	2.28	4.4	ppb
	Be	9	39967.166	**51.756**	1.96	3.8	ppb
	Al	27	28930388.182	**4859.880**	142.12	2.9	ppb
>	Sc	45	485876.739				ppb
	Zn	66	84689.959	**49.162**	2.62	5.3	ppb
	Zn	67	14776.972	**46.652**	2.69	5.8	ppb
	Zn	68	60776.007	**49.307**	2.39	4.9	ppb
>	Y	89	3657631.235				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	104.1				
Be	9	103.5				
Al	27	97.2				
Sc	45		95.8			
Zn	66	98.3				
Zn	67	93.3				
Zn	68	98.6				
Y	89		97.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 15:23:28
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.030

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	421.005	**0.031**	0.01	38.6	ppb
|	Be	9	28.000	**0.021**	0.02	76.6	ppb
|	Al	27	17244.170	**1.879**	1.17	62.5	ppb
⌊>	Sc	45	492818.648				ppb
⌈	Zn	66	1502.746	**-0.711**	0.04	5.5	ppb
|	Zn	67	992.034	**-2.867**	0.17	5.9	ppb
|	Zn	68	922.030	**-0.528**	0.03	5.1	ppb
⌊>	Y	89	3689437.309				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		97.1			
Zn	66					
Zn	67					
Zn	68					
Y	89		98.6			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 15:52:53
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.039

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	200382.957	**53.043**	2.37	4.5	ppb
|	Be	9	38563.650	**52.210**	2.45	4.7	ppb
|	Al	27	27507970.844	**4830.974**	189.52	3.9	ppb
⌊>	Sc	45	464973.738				ppb
⌈	Zn	66	80337.934	**49.784**	2.76	5.5	ppb
|	Zn	67	13912.772	**46.923**	3.42	7.3	ppb
|	Zn	68	57676.198	**49.948**	2.56	5.1	ppb
⌊>	Y	89	3428492.688				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	106.1				
Be	9	104.4				
Al	27	96.6				
Sc	45		91.6			
Zn	66	99.6				
Zn	67	93.8				
Zn	68	99.9				
Y	89		91.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q
QC Std 6	68Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 15:56:08
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.040

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	488.340	**0.050**	0.02	41.6	ppb
|	Be	9	22.667	**0.014**	0.02	127.8	ppb
|	Al	27	13114.205	**1.241**	1.26	101.2	ppb
⌊>	Sc	45	484054.553				ppb
⌈	Zn	66	1510.080	**-0.681**	0.04	6.0	ppb
|	Zn	67	830.691	**-3.356**	0.14	4.1	ppb
|	Zn	68	845.692	**-0.571**	0.04	7.5	ppb
⌊>	Y	89	3587549.065				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		95.4			
Zn	66					
Zn	67					
Zn	68					
Y	89		95.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A4E
Sample Date/Time: Thursday, June 14, 2007 15:59:24
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0A4E.041

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	237491.532	**120.738**	3.31	2.7	ppb
|	Be	9	41.667	**0.093**	0.02	18.8	ppb
|	Al	27	437991.667	**146.690**	4.40	3.0	ppb
⌊>	Sc	45	242045.845				ppb
⌈	Zn	66	9677.945	**8.691**	0.51	5.9	ppb
|	Zn	67	3008.650	**12.773**	0.98	7.7	ppb
|	Zn	68	6132.650	**7.771**	0.37	4.8	ppb
⌊>	Y	89	2059928.554				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		47.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		55.1			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0A5A
Sample Date/Time: Thursday, June 14, 2007 16:07:31
Dilution Factor: 7162268 10X
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0A5A.043

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	131625.974	**35.958**	1.39	3.9	ppb
	Be	9	28.333	**0.024**	0.01	30.7	ppb
	Al	27	1187400.964	**214.330**	6.11	2.8	ppb
>	Sc	45	450157.462				ppb
	Zn	66	8974.152	**4.578**	0.34	7.5	ppb
	Zn	67	2584.901	**4.276**	0.79	18.5	ppb
	Zn	68	2274.848	**0.887**	0.07	8.0	ppb
>	Y	89	3182785.679				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		88.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		85.1			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 16:21:19
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.046

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	225634.288	**48.496**	2.26	4.7	ppb
	Be	9	44279.855	**48.681**	2.38	4.9	ppb
	Al	27	35242966.380	**5025.127**	159.31	3.2	ppb
>	Sc	45	572473.810				ppb
	Zn	66	100960.514	**50.669**	3.16	6.2	ppb
	Zn	67	17911.222	**49.145**	3.36	6.8	ppb
	Zn	68	71605.353	**50.183**	2.45	4.9	ppb
>	Y	89	4237065.756				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	97.0				
Be	9	97.4				
Al	27	100.5				
Sc	45		112.8			
Zn	66	101.3				
Zn	67	98.3				
Zn	68	100.4				
Y	89		113.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 16:24:34
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.047

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	404.005	**0.011**	0.01	107.5	ppb
	Be	9	37.000	**0.025**	0.01	30.7	ppb
	Al	27	25527.948	**2.597**	0.46	17.6	ppb
>	Sc	45	581729.163				ppb
	Zn	66	2552.895	**-0.329**	0.02	5.9	ppb
	Zn	67	1674.098	**-1.391**	0.15	10.5	ppb
	Zn	68	1064.706	**-0.550**	0.03	5.0	ppb
>	Y	89	4389207.769				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		114.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		117.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 7470A Mercury

Associated Samples: 1, 3

Batch Number: 7165432

QC & Sample Data

STL

STL Austin

DATA REVIEW CHECKLIST
Cold Vapor Atomic Absorption Method for Mercury Analyses

Run/Project Information:

Circle Method Used: 245.1 / 7470A : AUS-MT-0005 245.5 / 7471A : AUS-MT-0007

Other SOP: _____

Analyst: [illegible] Run Date: 6/15/07 Instrument: E2

Prep Batches: 7165432, 7165435, 7165441

HBN: _____

Review Items:

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV analyzed at appropriate frequency and within control limits? (90-110%)	✓			✓
3. CCV analyzed at appropriate frequency and within control limits? (245.1/245.5 = 90-110%, 7470A/7471A = 80-120%)	✓			✓
4. ICB/CCB analyzed at appropriate frequency and within +/– PQL or +/– RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < PQL or RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. All unused analyses noted on the sequence with the reason	✓			✓
4. Calculations and transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Analyst: [illegible] Date: 6/15/07

Comments:

2nd Level Reviewer: [illegible] Date: 6/18/07

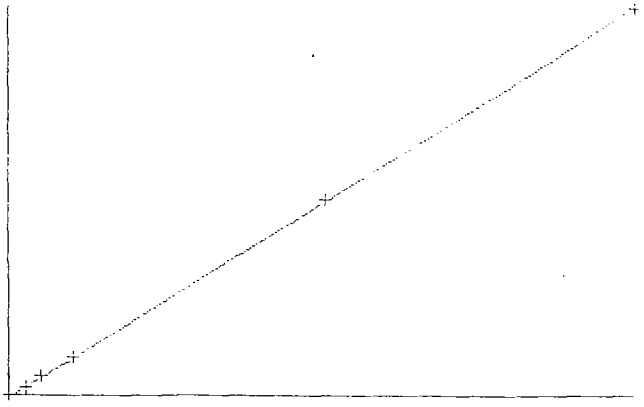
Comments:

RunProt: WATERS | Err: Analyzer needs maintenance
RunFold: HG70615B Seq: 6 Batch:
Prnt: R/T On Pump: On
Rev: 4.2 11:21:04 15 Jun 2007 Xmit: Off Gas: 1.00 LPM
State: Idle User: SFP A/S: On

CALIBRATION: Line proto: WATERS

	Hg Conc.	Calc.	Dev.	Accepted liNear	
S1	.0000	-.0312	-.0312	->quadratic	
S2	.2000	.2535	.0535	Wtdlinear	
S3	.5000	.4766	-.0234		C
S4	1.000	1.003	.0031	Accept	o
S5	5.000	4.997	-.0026		n
S6	10.00	10.00	.0007		c

A 2.2799e-12 r .999973
B 2.49065e-5 C -3.13185e-2



	Mean			Relative Absorbance
S1	5	0 SD	5	115547
S2	11422	0 %RSD	11422	370897
S3	20356	0 %RSD	20356	
S4	41374	0 %RSD	41374	
S5	198303	0 %RSD	198303	
S6	388938	0 %RSD	388938	

New cal coefficients stored

6/15/07

MERCURY SAMPLE DIGESTION BENCH SHEET

DIGESTION INFORMATION

Analyst [illegible] Date 6/14/07

Water Bath Temp 94 °C Autoclave Temp ____ °C Pressure ____ psi

Thermometer ID 7607 Recal due: 11/07 Thermometer ID 4277 Recal due: 11/07

Digestion Start Time 1700 Balance ID ____

Stop Time 1900

SOP ✓ AUS-MT-0005, current revision, SW846 7470A & MCAWW 245.1

____ AUS-MT-0007, current revision, SW846 7471A & MCAWW 245.5

____ Other: ____

Sample	Wet Weight (g)	Aq. Vol. (mL)	Final Vol. (mL)	Comments
J0200B	NA	10	10	B# 7165432
↓ C				
J0C5E				
S				
D				
J0QDC		0.2		50X
J0CC3		10		
DK				
J0A4E				
5A				
J0DTG				
TN				
J0208B				B# 7165435
C				
JX7K0				
K6				
S				
D				
J0ETI				
J02RGB				B# 7165441

Comments:

MERCURY SAMPLE DIGESTION BENCH SHEET

REAGENT INFORMATION

Digestion Reagent	STD. LOG #	Digestion Reagent	STD. LOG #
Sulfuric Acid	H2SO4-00001	Potassium Permanganate	07MET0252
Nitric Acid	HNO3-00002	Potassium Persulfate	0250
Hydrochloric Acid	HCL-00004	Stannous Chloride	0290
Sodium Chloride	02MET1193	Hydroxylamine Hydrochloride	0254

STANDARD INFORMATION

Standard	STD. LOG #	Standard	STD. LOG #	Standard	STD. LOD #
Blank (0µg/L)	--------	Std. 3 (1.0µg/L)	1.0mL 07MET0289	Calibration Std.	07MET0289
Std. 1 (0.2µg/L)	0.2mL 07MET0289	Std. 4/CCV (5.0µg/L)	5.0mL	QC Std.	07MET0288
Std. 2 (0.5µg/L)	0.5mL	Std. 5 (10µg/L)	10.0mL	ICV (2.0µg/L)	0.2mL

Water curve based on 10mL sample → 10mL final volume. Curve for solids based on 0.6g sample → 50mL final volume. All standards and QC samples are digested.

SPIKING INFORMATION

QC	Amount	Conc.	STD. LOG #	Spiker
LCS/LCSD	0.5 mL of	100ppb	07MET0287	[illegible]
MS/MSD	0.2 mL of	↓	↓	↓
DCS	— mL of	—	—	—

Sample #	Wet Weight (g)	Aq. Volume (mL)	Final Volume (mL)	Comments
J02RGC	NA	10	10	
J0QW6	↓	↓	↓	
↓ S				
↓ D				
J0XHV	↓	↓	↓	
		[illegible] 6/14/07		

Comments:

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: 6/15/07

DAILY CHECK & MAINTENANC	
Clean Lens ✓	Check Argon Flow ✓
Aperture ✓	Check Tubing ✓
Replace Drying Tube ✓	Check Drain ✓
OTHER MAINTENANCE / COM NTS:	

SOP ✓ AUS-MT-0005, curre revision, SW846 7470A & MCAWW 245.1
___ AUS-MT-0007, curr evision, SW846 7471A & MCAWW 245.5
___ Other:_____

Water curve based on 10 mL e → 10 mL final volume; curve for solids based on 0.60 g sample → 50 mL final volume. andards (except analytical spike) are digested.

See Mercury Digestion Logb reagents and the standards, samples, & QC digestion information.

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: [illegible] 6/15/07

FILENAME #: HG70615B PS 200II CLOCK DATE/TIME: 6/15/07 1110

SAMPLE ID	COMMENTS	SAMPLE ID	COMMENTS
Calibrate Std	1-6 ; 0-10ppb	J0QW6S	
ICV	CK3 CHK2	↓ ↓ D	
CCV	CK2 CHK4	J0XHV	
ICB	CK1 CHK1	CCV/CCB	Same
J0200B			
↓ C			
J0C5E	PARENT		
↓ S			
↓ D			
J0QDC	50X at digestion		
J0CC3			
↓ DK			
J0A4E			
↓ 5A			
CCV	CK2 CHK4		
CCB	CK1 CHK1		[illegible] 6/15/07
J0DTG			
↓ TN			
J02Q8B			
↓ C			
JX7K0			
K6			
S			
↓ D			
J0ET1			
J02RGB			
CCV/CCB	Same		
J02RGC			
J0QW6			

Folder: HG70615E Page 1
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 11:13:03 15 Jun 2007 HG

Hg .0000 ug/L 5

*** Standard: 2 Rep: 1 Seq: 1 11:14:30 15 Jun 2007 HG

Hg .2000 ug/L 11422

*** Standard: 3 Rep: 1 Seq: 2 11:15:49 15 Jun 2007 HG

Hg .5000 ug/L 20356

*** Standard: 4 Rep: 1 Seq: 3 11:17:11 15 Jun 2007 HG

Hg 1.000 ug/L 41374

*** Standard: 5 Rep: 1 Seq: 4 11:18:43 15 Jun 2007 HG

Hg 5.000 ug/L 198303

*** Standard: 6 Rep: 1 Seq: 5 11:20:04 15 Jun 2007 HG

Hg 10.00 ug/L 388938

*** Check Standard: 3 Ck3Chk2 Seq: 6 11:22:31 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.22	1.884	2.000	ug/L	.0000

*** Check Standard: 2 Ck2Chk4 Seq: 7 11:23:57 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.04	4.952	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 8 11:25:37 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0046	.2000	ug/L	.0000

*** Sample ID: J02Q0B Seq: 9 11:27:07 15 Jun 2007 HG

Hg .0036 L ug/L .0000 .0036

*** Sample ID: J02Q0C Seq: 10 11:28:23 15 Jun 2007 HG

Hg 5.064 ug/L .0000 5.064

*** Sample ID: J0C5E Seq: 11 11:29:36 15 Jun 2007 HG

Hg -.0071 L ug/L .0000 -.0071

Folder: HG70615B Page 2
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J0C5ES Seq: 12 11:30:49 15 Jun 2007 HG

Hg 1.974 ug/L .0000 1.974

*** Sample ID: J0C5ED Seq: 13 11:32:12 15 Jun 2007 HG

Hg 1.963 ug/L .0000 1.963

*** Sample ID: J0QDC 50x @ prep, Flex HT DMM 6/18/07 Seq: 14 11:33:31 15 Jun 2007 HG

Hg .0948 L ug/L .0000 .0948

*** Sample ID: J0CC3 Seq: 15 11:34:46 15 Jun 2007 HG

Hg .0608 L ug/L .0000 .0608

*** Sample ID: J0CDK Seq: 16 11:36:03 15 Jun 2007 HG

Hg .0167 L ug/L .0000 .0167

*** Sample ID: J0A4E Seq: 17 11:37:47 15 Jun 2007 HG

Hg .0014 L ug/L .0000 .0014

*** Sample ID: J0A5A Seq: 18 11:39:11 15 Jun 2007 HG

Hg -.0088 L ug/L .0000 -.0088

*** Check Standard: 2 Ck2Chk4 Seq: 19 11:40:26 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.2	5.011	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 20 11:41:52 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0101	.2000	ug/L	.0000

*** Sample ID: J0DTG Seq: 21 11:43:09 15 Jun 2007 HG

Hg .0058 L ug/L .0000 .0058

*** Sample ID: J0DTN Seq: 22 11:44:24 15 Jun 2007 HG

Hg .1045 L ug/L .0000 .1045

*** Sample ID: J02Q8B Seq: 23 11:45:36 15 Jun 2007 HG

Hg .0438 L ug/L .0000 .0438

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J02Q8C Seq: 24 11:47:00 15 Jun 2007 HG

Hg 5.104 ug/L .0000 5.104

*** Sample ID: JX7K0 Seq: 25 11:48:17 15 Jun 2007 HG

Hg .0488 L ug/L .0000 .0488

*** Sample ID: JX7K6 Seq: 26 11:49:36 15 Jun 2007 HG

Hg .0447 L ug/L .0000 .0447

*** Sample ID: JX7K6S Seq: 27 11:50:59 15 Jun 2007 HG

Hg 1.985 ug/L .0000 1.985

*** Sample ID: JX7K6D Seq: 28 11:52:32 15 Jun 2007 HG

Hg 2.032 ug/L .0000 2.032

*** Sample ID: J0ET1 Seq: 29 11:53:46 15 Jun 2007 HG

Hg .0459 L ug/L .0000 .0459

*** Sample ID: J02RGB Seq: 30 11:55:03 15 Jun 2007 HG

Hg .0507 L ug/L .0000 .0507

*** Check Standard: 2 Ck2Chk4 Seq: 31 11:56:30 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.018	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 32 11:58:07 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0206	.2000	ug/L	.0000

*** Sample ID: J02RGC Seq: 33 11:59:24 15 Jun 2007 HG

Hg 5.135 ug/L .0000 5.135

*** Sample ID: J0QW6 Seq: 34 12:00:53 15 Jun 2007 HG

Hg .0868 L ug/L .0000 .0868

*** Sample ID: J0QW6S Seq: 35 12:02:26 15 Jun 2007 HG

Hg 2.078 ug/L .0000 2.078

Folder: HG70615B Page 4
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J0QW6D Seq: 36 12:03:40 15 Jun 2007 HG

Hg 2.033 ug/L .0000 2.033

*** Sample ID: J0XHV Seq: 37 12:04:54 15 Jun 2007 HG

Hg .0623 L ug/L .0000 .0623

*** Check Standard: 2 Ck2Chk4 Seq: 38 12:06:09 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.048	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 39 12:07:35 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0415	.2000	ug/L	.0000

STL Leaders in Environmental Testing

Certificate of Analysis

STL Austin • 14050 Summit Drive, Suite A100, Austin, TX 78728 • Tel 512 244 0855 • Fax 512 244 0160 • *www.stl-inc.com*

ANALYTICAL REPORT

PROJECT NO. 1434206 EPA

Gulfco Marine EP-W-06-004

Lot #: I7F060169

Luis Vega

EA Engineering, Science and Te
405 South Highway 121
Building C
Suite 100
Lewisville, TX 75067

SEVERN TRENT LABORATORIES, INC.

Neal J. Salcher
Project Manager

June 21, 2007

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

Case Narrative

STL LOT NUMBER: **I7F060169**

This report contains the analytical results for the three samples received under chain of custody by Severn Trent Laboratories (STL) on June 6, 2007. These samples are associated with your Gulfco Marine EP-W-06-004 project.

All samples were received in good condition and within temperature requirements.

All applicable quality control procedures met method-specified acceptance criteria except where noted in the case narrative or flagged on the result pages.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 512-310-5215.

Method 8081 (Pesticides) was performed by STL Denver, 4955 Yarrow Street, Arvada, CO 80002, 303-421-6611.

LOT NUMBER I7F060169

Nonconformance 09-0021843

Affected Samples:
I7F060169 (1):
I7F060169 (2):
I7F060169 (3):

Affected Methods:
8260B

Case Narrative:
LCS/LCSD were recovered high and outside of criteria for analyte [2-Chloroethyl vinyl ether]. The analyte was not detected in any of the samples. Data are reported as is. Slight positive bias is not believed to have impacted data quality.

Corrective Action:
NCM written

Nonconformance 04-0113881

Affected Samples:
I7F060169 (1): MW28A
I7F060169 (2): MW29

Affected Methods:
8081A

Case Narrative:
The overall mean %D is within control limits. Therefore, the CCV is in control. Method 8000B requires notification of individual compounds exceeding %D limits, and they include:

1st CCV: all okay

2nd CCV: all okay

3rd CCV: (front) 4,4'-DDT -17%
(rear) 4,4'-DDD -17%; 4,4'-DDT -17%; Methoxychlor -16%

4th CCV: (front) 4,4'-DDT -16%
(rear) 4,4'-DDT -25%; Methoxychlor -24%

Sequence: 1st CCV, LCS, 254-1, 254-3, 169-1, 169-2, 2nd CCV, 246-7, 414-2, 414-2MS, 414-2MSD, 414-4, 414-5, 414-6, 112-1, 112-2, 112-23, 3rd CCV, 112-4, 112-5, 112-6, 163-1, 163-2, 189-1, 360-1, Blank, 4th CCV.

Corrective Action:
NA

EXECUTIVE SUMMARY - Detection Highlights

I7F060169

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW28A 06/05/07 09:30 001				
Arsenic	16.3 J	10.0	ug/L	SW846 6020
Barium	143	10.0	ug/L	SW846 6020
Beryllium	0.14 B	1.0	ug/L	SW846 6020
Cadmium	0.026 B	1.0	ug/L	SW846 6020
Cobalt	25.5	10.0	ug/L	SW846 6020
Copper	15.2	10.0	ug/L	SW846 6020
Iron	14500	500	ug/L	SW846 6020
Lithium	172	8.0	ug/L	SW846 6020
Manganese	13000	100	ug/L	SW846 6020
Nickel	46.2	10.0	ug/L	SW846 6020
Lead	0.11 B	1.0	ug/L	SW846 6020
Antimony	0.59 B	1.0	ug/L	SW846 6020
Titanium	3240	100	ug/L	SW846 6020
Zinc	10.1	10.0	ug/L	SW846 6020
Boron	1.4	0.20	mg/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	0.55 J	9.5	ug/L	SW846 8270C
Acetone	6.9	5.0	ug/L	SW846 8260B
Carbon disulfide	0.64 J	1.0	ug/L	SW846 8260B
MW29 06/05/07 16:15 002				
Endrin	0.063 COL	0.050	ug/L	SW846 8081A
Endrin ketone	0.019	0.050	ug/L	SW846 8081A
	Qualifiers: J,COL			
Heptachlor	0.069 COL	0.050	ug/L	SW846 8081A
Methoxychlor	0.047	0.10	ug/L	SW846 8081A
	Qualifiers: J,COL			
Aluminum	45.6 B	50.0	ug/L	SW846 6020
Arsenic	32.0 J	10.0	ug/L	SW846 6020
Barium	142	10.0	ug/L	SW846 6020
Beryllium	0.088 B	1.0	ug/L	SW846 6020
Cadmium	2.1	1.0	ug/L	SW846 6020
Cobalt	17.9	10.0	ug/L	SW846 6020
Copper	13.2	10.0	ug/L	SW846 6020
Iron	121000	500	ug/L	SW846 6020
Lithium	296	8.0	ug/L	SW846 6020
Manganese	23000	100	ug/L	SW846 6020
Nickel	44.6	10.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Antimony	0.18 B	1.0	ug/L	SW846 6020
Selenium	4.8 B	10.0	ug/L	SW846 6020
Titanium	3390	100	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

I7F060169

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW29 06/05/07 16:15 002				
Zinc	37.1	10.0	ug/L	SW846 6020
Mercury	0.00010 B	0.00020	mg/L	SW846 7470A
Boron	3.2	0.20	mg/L	SW846 6010B
Acetophenone	190	95	ug/L	SW846 8270C
Benzyl alcohol	200	95	ug/L	SW846 8270C
2,4-Dimethylphenol	120	95	ug/L	SW846 8270C
2-Methylphenol	190	95	ug/L	SW846 8270C
Phenol	470	95	ug/L	SW846 8270C
1,2,3-Trichloropropane	56000	20000	ug/L	SW846 8260B
Tetrachloroethene	9600 J	20000	ug/L	SW846 8260B
1,1,1-Trichloroethane	170000	20000	ug/L	SW846 8260B
Trichloroethene	75000	20000	ug/L	SW846 8260B
Acetone	60000 J	100000	ug/L	SW846 8260B
Benzene	8600 J	20000	ug/L	SW846 8260B
Carbon tetrachloride	25000	20000	ug/L	SW846 8260B
1,1-Dichloroethane	20000	20000	ug/L	SW846 8260B
1,2-Dichloroethane	370000	20000	ug/L	SW846 8260B
1,1-Dichloroethene	10000 J	20000	ug/L	SW846 8260B
1,2-Dichloropropane	9600 J	20000	ug/L	SW846 8260B
Methylene chloride	1200000	20000	ug/L	SW846 8260B
TRIP BLANK 06/05/07 003				
Acetone	2.4 J	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

I7F060169

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Metals	SW846 3010A	SW846 6010B
Acid Digestion for Total Metals by ICPMS	SW846 3020A	SW846 6020
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Separatory Funnel Liquid-Liquid Extraction	SW846 3510C	SW846 8081A
15 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

ANALYTICAL METHODS SUMMARY

I7F060169

PARAMETER	ANALYTICAL METHOD
ICP-MS (6020)	SW846 6020
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Organochlorine Pesticides	SW846 8081A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I7F060169

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 6010B	Hamid Davoudi	038010
SW846 6020	Xavier B. Escobar	038011
SW846 7470A	Sydney F. Powers	402637
SW846 8081A	Carrie Lahr	008835
SW846 8260B	David Yancey	014906
SW846 8270C	Mark Malloy	001515

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I7F060169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J0DTG	001	MW28A	06/05/07	09:30
J0DTN	002	MW29	06/05/07	16:15
J0DTR	003	TRIP BLANK	06/05/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis, color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

I7F060169

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 6020		7162268	7162226
	WATER	SW846 7470A		7165432	7165274
	WATER	SW846 8081A		7158540	7158322
	WATER	SW846 8260B		7166158	7166098
	WATER	SW846 8270C		7157509	7157318
	WATER	SW846 6010B		7164268	7164175
002	WATER	SW846 6020		7162268	7162226
	WATER	SW846 7470A		7165432	7165274
	WATER	SW846 8081A		7158540	7158322
	WATER	SW846 8260B		7166158	7166098
	WATER	SW846 8270C		7157509	7157318
	WATER	SW846 6010B		7164268	7164175
003	WATER	SW846 8260B		7166158	7166098

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC/MS Volatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1A2 Matrix.....: WATER
Date Sampled...: 06/05/07 09:30 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 19:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45
Acetone	**6.9**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	ND	1.0	ug/L	0.37
Bromoform	ND	2.0	ug/L	0.27
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	ND	5.0	ug/L	0.84
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	**0.64 J**	**1.0**	**ug/L**	**0.38**
Carbon tetrachloride	ND	1.0	ug/L	0.41

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC/MS Volatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1A2 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	ND	1.0	ug/L	0.28
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
Chloroform	ND	1.0	ug/L	0.35
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.41
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC/MS Volatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1A2 Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	121	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	116	(79 - 119)
Dibromofluoromethane	103	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: **MW28A**

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1AC Matrix.....: WATER
Date Sampled...: 06/05/07 09:30 Date Received..: 06/06/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 16:15
Dilution Factor: 0.95

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	9.5	ug/L	0.78
Acenaphthylene	ND	9.5	ug/L	0.86
Acetophenone	ND	9.5	ug/L	1.1
Aniline	ND	9.5	ug/L	4.3
Anthracene	ND	9.5	ug/L	0.92
Benzidine	ND	48	ug/L	24
Benzo(a)anthracene	ND	9.5	ug/L	1.1
Benzo(b)fluoranthene	ND	9.5	ug/L	0.90
Benzo(k)fluoranthene	ND	9.5	ug/L	0.81
Benzoic acid	ND	48	ug/L	24
Benzo(ghi)perylene	ND	9.5	ug/L	0.91
Benzo(a)pyrene	ND	9.5	ug/L	0.70
Benzyl alcohol	ND	9.5	ug/L	1.4
Biphenyl	ND	9.5	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	9.5	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	9.5	ug/L	0.82
bis(2-Chloroisopropyl) ether	ND	9.5	ug/L	1.0
bis(2-Ethylhexyl) phthalate	**0.55 J**	**9.5**	**ug/L**	**0.53**
4-Bromophenyl phenyl ether	ND	9.5	ug/L	0.83
Butyl benzyl phthalate	ND	9.5	ug/L	1.4
Caprolactam	ND	9.5	ug/L	4.1
Carbazole	ND	9.5	ug/L	1.6
4-Chloroaniline	ND	9.5	ug/L	4.8
4-Chloro-3-methylphenol	ND	9.5	ug/L	0.79
2-Chloronaphthalene	ND	9.5	ug/L	0.86
2-Chlorophenol	ND	9.5	ug/L	0.95
4-Chlorophenyl phenyl ether	ND	9.5	ug/L	0.81
Chrysene	ND	9.5	ug/L	1.6
Dibenz(a,h)anthracene	ND	9.5	ug/L	0.75
Dibenzofuran	ND	9.5	ug/L	0.77
Di-n-butyl phthalate	ND	9.5	ug/L	0.92
3,3'-Dichlorobenzidine	ND	48	ug/L	4.0

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	9.5	ug/L	0.84
Diethyl phthalate	ND	9.5	ug/L	0.71
2,4-Dimethylphenol	ND	9.5	ug/L	1.8
Dimethyl phthalate	ND	9.5	ug/L	0.78
4,6-Dinitro-2-methylphenol	ND	48	ug/L	3.6
2,4-Dinitrophenol	ND	48	ug/L	4.8
2,4-Dinitrotoluene	ND	9.5	ug/L	0.79
2,6-Dinitrotoluene	ND	9.5	ug/L	0.80
Di-n-octyl phthalate	ND	9.5	ug/L	0.58
1,2-Diphenylhydrazine (as Azobenzene)	ND	9.5	ug/L	0.18
Fluoranthene	ND	9.5	ug/L	0.96
Fluorene	ND	9.5	ug/L	0.72
Hexachlorobenzene	ND	9.5	ug/L	0.86
Hexachlorocyclopentadiene	ND	48	ug/L	24
Hexachloroethane	ND	9.5	ug/L	1.4
Indeno(1,2,3-cd)pyrene	ND	9.5	ug/L	0.68
Isophorone	ND	9.5	ug/L	0.83
2-Methylnaphthalene	ND	9.5	ug/L	0.78
2-Methylphenol	ND	9.5	ug/L	1.0
2-Nitroaniline	ND	48	ug/L	0.90
3-Nitroaniline	ND	48	ug/L	4.0
4-Nitroaniline	ND	48	ug/L	3.6
Nitrobenzene	ND	9.5	ug/L	1.0
2-Nitrophenol	ND	9.5	ug/L	0.89
4-Nitrophenol	ND	48	ug/L	4.7
N-Nitrosodimethylamine	ND	9.5	ug/L	0.83
N-Nitrosodiphenylamine	ND	9.5	ug/L	1.4
N-Nitrosodi-n-propylamine	ND	9.5	ug/L	0.83
Phenanthrene	ND	9.5	ug/L	0.89
Phenol	ND	9.5	ug/L	0.97
Pyrene	ND	9.5	ug/L	1.5
Pyridine	ND	9.5	ug/L	4.2
2,4,5-Trichlorophenol	ND	9.5	ug/L	0.77
2,4,6-Trichlorophenol	ND	9.5	ug/L	0.79

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1AC Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	88	(52 - 114)
2-Fluorobiphenyl	85	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	81	(44 - 114)
Phenol-d5	88	(45 - 116)
2,4,6-Tribromophenol	105	(51 - 130)

NOTE(S):

J Estimated result. Result is less than RL

EA Engineering, Science and Technology

Client Sample ID: MW28A

GC Semivolatiles

Lot-Sample #...: I7F060169-001 Work Order #...: J0DTG1AA Matrix.....: WATER
Date Sampled...: 06/05/07 09:30 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 16:01
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	ND	0.050	ug/L	0.0079
Endrin aldehyde	ND	0.050	ug/L	0.0088
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endrin ketone	ND	0.050	ug/L	0.0070
Heptachlor	ND	0.050	ug/L	0.0077
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	ND	0.10	ug/L	0.013
Toxaphene	ND	2.5	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	33	(20 - 144)
Tetrachloro-m-xylene	93	(25 - 132)

EA Engineering, Science and Technology

Client Sample ID: MW28A

TOTAL Metals

Lot-Sample #...: 17F060169-001 Matrix.....: WATER
Date Sampled...: 06/05/07 09:30 Date Received..: 06/06/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7162268						
Silver	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AF
		Dilution Factor: 1		Analysis Time ..: 19:45	MDL.....: 0.040	
Aluminum	ND	50.0	ug/L	SW846 6020	06/11-06/14/07	J0DTG1AG
		Dilution Factor: 1		Analysis Time..: 16:27	MDL.....: 30.3	
Arsenic	16.3 J	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AH
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 0.34	
Barium	143	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AJ
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 1.8	
Beryllium	0.14 B	1.0	ug/L	SW846 6020	06/11-06/14/07	J0DTG1AK
		Dilution Factor: 1		Analysis Time..: 16:27	MDL.....: 0.023	
Cadmium	0.026 B	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AL
		Dilution Factor: 1		Analysis Time..: 19:45	MDL.....: 0.023	
Cobalt	25.5	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AM
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 0.24	
Copper	15.2	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AN
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 1.3	
Iron	14500	500	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AP
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 138	
Lithium	172	8.0	ug/L	SW846 6020	06/11-06/14/07	J0DTG1AQ
		Dilution Factor: 1		Analysis Time..: 16:27	MDL.....: 0.22	
Manganese	13000	100	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AR
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 2.2	
Nickel	46.2	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AT
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 1.3	
Lead	0.11 B	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AU
		Dilution Factor: 1		Analysis Time..: 19:45	MDL. .....: 0.050	

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW28A

TOTAL Metals

Lot-Sample #...: 17F060169-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.59 B	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AV
		Dilution Factor: 1		Analysis Time..: 19:45	MDL.....: 0.029	
Selenium	ND	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AW
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 1.1	
Titanium	3240	100	ug/L	SW846 6020	06/11-06/13/07	J0DTG1AX
		Dilution Factor: 10		Analysis Time..: 17:46	MDL.....: 6.0	
Thallium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTG1A0
		Dilution Factor: 1		Analysis Time..: 19:45	MDL.....: 0.019	
Zinc	10.1	10.0	ug/L	SW846 6020	06/11-06/14/07	J0DTG1A1
		Dilution Factor: 1		Analysis Time..: 16:27	MDL.....: 2.1	
Prep Batch #...: 7164268						
Boron	1.4	0.20	mg/L	SW846 6010B	06/13-06/14/07	J0DTG1AE
		Dilution Factor: 1		Analysis Time..: 13:08	MDL.....: 0.0020	
Prep Batch #...: 7165432						
Mercury	ND	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J0DTG1AD
		Dilution Factor: 1		Analysis Time..: 11:43	MDL.....: 0.000060	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Volatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AD Matrix.....: WATER
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 20:38
Dilution Factor: 20000

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	**56000**	**20000**	**ug/L**	**6100**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20000	ug/L	7600
1,2,4-Trimethylbenzene	ND	20000	ug/L	12000
1,3,5-Trimethylbenzene	ND	20000	ug/L	9800
Vinyl acetate	ND	40000	ug/L	5900
Vinyl chloride	ND	40000	ug/L	8000
Xylenes (total)	ND	60000	ug/L	24000
4-Methyl-2-pentanone (MIBK)	ND	100000	ug/L	8300
Methyl tert-butyl ether (MTBE)	ND	20000	ug/L	6700
n-Propylbenzene	ND	20000	ug/L	8800
Styrene	ND	20000	ug/L	6200
1,1,1,2-Tetrachloroethane	ND	20000	ug/L	6600
1,1,2,2-Tetrachloroethane	ND	20000	ug/L	6200
Tetrachloroethene	**9600 J**	**20000**	**ug/L**	**8000**
Toluene	ND	20000	ug/L	7800
1,2,4-Trichloro-benzene	ND	20000	ug/L	9700
1,1,1-Trichloroethane	**170000**	**20000**	**ug/L**	**7200**
1,1,2-Trichloroethane	ND	20000	ug/L	7000
Trichloroethene	**75000**	**20000**	**ug/L**	**9000**
Acetone	**60000 J**	**100000**	**ug/L**	**16000**
Acrolein	ND	200000	ug/L	26000
Acrylonitrile	ND	200000	ug/L	30000
Benzene	**8600 J**	**20000**	**ug/L**	**7800**
Bromobenzene	ND	20000	ug/L	7900
Bromodichloromethane	ND	20000	ug/L	7400
Bromoform	ND	40000	ug/L	5400
Bromomethane	ND	40000	ug/L	14000
n-Butanol	ND	5000000	ug/L	260000
2-Butanone (MEK)	ND	100000	ug/L	17000
n-Butylbenzene	ND	20000	ug/L	18000
sec-Butylbenzene	ND	20000	ug/L	12000
tert-Butylbenzene	ND	20000	ug/L	9000
Carbon disulfide	ND	20000	ug/L	7700
Carbon tetrachloride	**25000**	**20000**	**ug/L**	**8100**

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Volatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AD Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	20000	ug/L	6700
Dibromochloromethane	ND	20000	ug/L	5600
Chloroethane	ND	40000	ug/L	9000
2-Chloroethyl vinyl ether	ND	--	ug/L	12000
Chloroform	ND	20000	ug/L	7000
Chloromethane	ND	40000	ug/L	9600
2-Chlorotoluene	ND	20000	ug/L	7900
4-Chlorotoluene	ND	20000	ug/L	6900
1,2-Dibromo-3-chloropropane (DBCP)	ND	100000	ug/L	6800
1,2-Dibromoethane (EDB)	ND	20000	ug/L	6000
Dibromomethane	ND	20000	ug/L	8100
1,2-Dichlorobenzene	ND	20000	ug/L	8700
1,3-Dichlorobenzene	ND	20000	ug/L	7700
1,4-Dichlorobenzene	ND	20000	ug/L	7500
trans-1,4-Dichloro-2-butene	ND	100000	ug/L	7100
Dichlorodifluoromethane	ND	40000	ug/L	10000
1,1-Dichloroethane	**20000**	**20000**	**ug/L**	**7500**
1,2-Dichloroethane	**370000**	**20000**	**ug/L**	**7800**
cis-1,2-Dichloroethene	ND	20000	ug/L	7300
trans-1,2-Dichloroethene	ND	20000	ug/L	7400
1,1-Dichloroethene	**10000 J**	**20000**	**ug/L**	**8500**
1,2-Dichloroethene (total)	ND	40000	ug/L	15000
1,2-Dichloropropane	**9600 J**	**20000**	**ug/L**	**7500**
1,3-Dichloropropane	ND	20000	ug/L	5800
2,2-Dichloropropane	ND	20000	ug/L	7800
cis-1,3-Dichloropropene	ND	20000	ug/L	6100
trans-1,3-Dichloropropene	ND	20000	ug/L	4200
1,1-Dichloropropene	ND	20000	ug/L	7000
Ethylbenzene	ND	20000	ug/L	8300
Hexachlorobutadiene	ND	20000	ug/L	11000
2-Hexanone	ND	100000	ug/L	5300
Iodomethane	ND	20000	ug/L	12000
Isopropylbenzene	ND	20000	ug/L	8400
p-Isopropyltoluene	ND	20000	ug/L	13000
Methyl acetate	ND	100000	ug/L	19000
Methylcyclohexane	ND	100000	ug/L	14000
Methylene chloride	**1200000**	**20000**	**ug/L**	**8400**
Trichlorofluoromethane	ND	40000	ug/L	9500

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Volatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AD Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	109	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	109	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AF Matrix.....: WATER
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/06/07 Analysis Date..: 06/13/07
Prep Batch #...: 7157509 Analysis Time..: 18:07
Dilution Factor: 9.52

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	95	ug/L	7.8
Acenaphthylene	ND	95	ug/L	8.6
Acetophenone	**190**	**95**	**ug/L**	**11**
Aniline	ND	95	ug/L	43
Anthracene	ND	95	ug/L	9.3
Benzidine	ND	480	ug/L	240
Benzo(a)anthracene	ND	95	ug/L	11
Benzo(b)fluoranthene	ND	95	ug/L	9.0
Benzo(k)fluoranthene	ND	95	ug/L	8.1
Benzoic acid	ND	480	ug/L	240
Benzo(ghi)perylene	ND	95	ug/L	9.2
Benzo(a)pyrene	ND	95	ug/L	7.0
Benzyl alcohol	**200**	**95**	**ug/L**	**14**
Biphenyl	ND	95	ug/L	10
bis(2-Chloroethoxy) methane	ND	95	ug/L	9.1
bis(2-Chloroethyl)-ether	ND	95	ug/L	8.2
bis(2-Chloroisopropyl) ether	ND	95	ug/L	10
bis(2-Ethylhexyl) phthalate	ND	95	ug/L	5.3
4-Bromophenyl phenyl ether	ND	95	ug/L	8.3
Butyl benzyl phthalate	ND	95	ug/L	14
Caprolactam	ND	95	ug/L	42
Carbazole	ND	95	ug/L	16
4-Chloroaniline	ND	95	ug/L	48
4-Chloro-3-methylphenol	ND	95	ug/L	7.9
2-Chloronaphthalene	ND	95	ug/L	8.6
2-Chlorophenol	ND	95	ug/L	9.5
4-Chlorophenyl phenyl ether	ND	95	ug/L	8.1
Chrysene	ND	95	ug/L	16
Dibenz(a,h)anthracene	ND	95	ug/L	7.5
Dibenzofuran	ND	95	ug/L	7.7
Di-n-butyl phthalate	ND	95	ug/L	9.2
3,3'-Dichlorobenzidine	ND	480	ug/L	40

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AF Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-Dichlorophenol	ND	95	ug/L	8.5
Diethyl phthalate	ND	95	ug/L	7.1
2,4-Dimethylphenol	**120**	**95**	**ug/L**	**18**
Dimethyl phthalate	ND	95	ug/L	7.8
4,6-Dinitro-2-methylphenol	ND	480	ug/L	36
2,4-Dinitrophenol	ND	480	ug/L	48
2,4-Dinitrotoluene	ND	95	ug/L	7.9
2,6-Dinitrotoluene	ND	95	ug/L	8.1
Di-n-octyl phthalate	ND	95	ug/L	5.8
1,2-Diphenylhydrazine (as Azobenzene)	ND	95	ug/L	1.8
Fluoranthene	ND	95	ug/L	9.6
Fluorene	ND	95	ug/L	7.2
Hexachlorobenzene	ND	95	ug/L	8.6
Hexachlorocyclopentadiene	ND	480	ug/L	240
Hexachloroethane	ND	95	ug/L	14
Indeno(1,2,3-cd)pyrene	ND	95	ug/L	6.8
Isophorone	ND	95	ug/L	8.3
2-Methylnaphthalene	ND	95	ug/L	7.8
2-Methylphenol	**190**	**95**	**ug/L**	**10**
2-Nitroaniline	ND	480	ug/L	9.0
3-Nitroaniline	ND	480	ug/L	40
4-Nitroaniline	ND	480	ug/L	36
Nitrobenzene	ND	95	ug/L	10
2-Nitrophenol	ND	95	ug/L	8.9
4-Nitrophenol	ND	480	ug/L	48
N-Nitrosodimethylamine	ND	95	ug/L	8.3
N-Nitrosodiphenylamine	ND	95	ug/L	14
N-Nitrosodi-n-propylamine	ND	95	ug/L	8.3
Phenanthrene	ND	95	ug/L	8.9
Phenol	**470**	**95**	**ug/L**	**9.7**
Pyrene	ND	95	ug/L	15
Pyridine	ND	95	ug/L	42
2,4,5-Trichlorophenol	ND	95	ug/L	7.7
2,4,6-Trichlorophenol	ND	95	ug/L	7.9

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW29

GC/MS Semivolatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AF Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78 DIL	(52 - 114)
2-Fluorobiphenyl	78 DIL	(58 - 116)
Terphenyl-d14	86 DIL	(64 - 126)
2-Fluorophenol	67 DIL	(44 - 114)
Phenol-d5	78 DIL	(45 - 116)
2,4,6-Tribromophenol	89 DIL	(51 - 130)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

EA Engineering, Science and Technology

Client Sample ID: MW29

GC Semivolatiles

Lot-Sample #...: I7F060169-002 Work Order #...: J0DTN1AE Matrix.....: WATER
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 16:19
Dilution Factor: 1

Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Endosulfan sulfate	ND	0.050	ug/L	0.0057
Endrin	**0.063 COL**	**0.050**	**ug/L**	**0.0079**
Endrin aldehyde	ND	0.050	ug/L	0.0088
Aldrin	ND	0.050	ug/L	0.0059
alpha-BHC	ND	0.050	ug/L	0.0053
beta-BHC	ND	0.050	ug/L	0.0087
delta-BHC	ND	0.050	ug/L	0.0058
gamma-BHC (Lindane)	ND	0.050	ug/L	0.0069
alpha-Chlordane	ND	0.050	ug/L	0.0053
gamma-Chlordane	ND	0.050	ug/L	0.0091
4,4'-DDD	ND	0.050	ug/L	0.0077
4,4'-DDE	ND	0.050	ug/L	0.0075
4,4'-DDT	ND	0.050	ug/L	0.015
Dieldrin	ND	0.050	ug/L	0.0063
Endosulfan I	ND	0.050	ug/L	0.0058
Endosulfan II	ND	0.050	ug/L	0.0070
Endrin ketone	**0.019 J,COL**	**0.050**	**ug/L**	**0.0070**
Heptachlor	**0.069 COL**	**0.050**	**ug/L**	**0.0077**
Heptachlor epoxide	ND	0.050	ug/L	0.0075
Methoxychlor	**0.047 J,COL**	**0.10**	**ug/L**	**0.013**
Toxaphene	ND	2.5	ug/L	0.37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	93	(20 - 144)
Tetrachloro-m-xylene	102	(25 - 132)

NOTE(S):

COL More than 40% RPD between primary and confirmation column results The lower of the two results is reported.

J Estimated result. Result is less than RL.

EA Engineering, Science and Technology

Client Sample ID: MW29

TOTAL Metals

Lot-Sample #...: I7F060169-002 Matrix.....: WATER
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7162268						
Silver	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AJ
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 0.040	
Aluminum	45.6 B	50.0	ug/L	SW846 6020	06/11-06/14/07	J0DTN1AK
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 30.3	
Arsenic	32.0 J	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AL
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 0.34	
Barium	142	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AM
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 1.8	
Beryllium	0.088 B	1.0	ug/L	SW846 6020	06/11-06/14/07	J0DTN1AN
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 0.023	
Cadmium	2.1	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AP
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 0.023	
Cobalt	17.9	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AQ
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 0.24	
Copper	13.2	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AR
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 1.3	
Iron	121000	500	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AT
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 138	
Lithium	296	8.0	ug/L	SW846 6020	06/11-06/14/07	J0DTN1AU
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 0.22	
Manganese	23000	100	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AV
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 2.2	
Nickel	44.6	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AW
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 1.3	
Lead	0.19 B	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AX
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 0.050	

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: MW29

TOTAL Metals

Lot-Sample #...: I7F060169-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	0.18 B	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1A0
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 0.029	
Selenium	4.8 B	10.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1A1
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 1.1	
Titanium	3390	100	ug/L	SW846 6020	06/11-06/13/07	J0DTN1A2
		Dilution Factor: 10		Analysis Time..: 17:51	MDL.....: 6.0	
Thallium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0DTN1AA
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 0.019	
Zinc	37.1	10.0	ug/L	SW846 6020	06/11-06/14/07	J0DTN1AC
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 2.1	
Prep Batch #...: 7164268						
Boron	3.2	0.20	mg/L	SW846 6010B	06/13-06/14/07	J0DTN1AH
		Dilution Factor: 1		Analysis Time..: 13:12	MDL.....: 0.0020	
Prep Batch #...: 7165432						
Mercury	0.00010 B	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J0DTN1AG
		Dilution Factor: 1		Analysis Time..: 11:44	MDL.....: 0.000060	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F060169-003 Work Order #...: J0DTR1AA Matrix.....: WATER
Date Sampled...: 06/05/07 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 18:33
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,3-Trichloropropane	ND	1.0	ug/L	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.38
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.60
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.49
Vinyl acetate	ND	2.0	ug/L	0.29
Vinyl chloride	ND	2.0	ug/L	0.40
Xylenes (total)	ND	3.0	ug/L	1.2
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	0.42
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	0.34
n-Propylbenzene	ND	1.0	ug/L	0.44
Styrene	ND	1.0	ug/L	0.31
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.33
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.31
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.39
1,2,4-Trichloro-benzene	ND	1.0	ug/L	0.48
1,1,1-Trichloroethane	ND	1.0	ug/L	0.36
1,1,2-Trichloroethane	ND	1.0	ug/L	0.35
Trichloroethene	ND	1.0	ug/L	0.45
Acetone	**2.4 J**	**5.0**	**ug/L**	**0.82**
Acrolein	ND	10	ug/L	1.3
Acrylonitrile	ND	10	ug/L	1.5
Benzene	ND	1.0	ug/L	0.39
Bromobenzene	ND	1.0	ug/L	0.39
Bromodichloromethane	ND	1.0	ug/L	0.37
Bromoform	ND	2.0	ug/L	0.27
Bromomethane	ND	2.0	ug/L	0.72
n-Butanol	ND	250	ug/L	13
2-Butanone (MEK)	ND	5.0	ug/L	0.84
n-Butylbenzene	ND	1.0	ug/L	0.88
sec-Butylbenzene	ND	1.0	ug/L	0.61
tert-Butylbenzene	ND	1.0	ug/L	0.45
Carbon disulfide	ND	1.0	ug/L	0.38
Carbon tetrachloride	ND	1.0	ug/L	0.41

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F060169-003 Work Order #...: J0DTR1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Chlorobenzene	ND	1.0	ug/L	0.33
Dibromochloromethane	ND	1.0	ug/L	0.28
Chloroethane	ND	2.0	ug/L	0.45
2-Chloroethyl vinyl ether	ND	--	ug/L	0.62
Chloroform	ND	1.0	ug/L	0.35
Chloromethane	ND	2.0	ug/L	0.48
2-Chlorotoluene	ND	1.0	ug/L	0.39
4-Chlorotoluene	ND	1.0	ug/L	0.34
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	0.34
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.41
1,2-Dichlorobenzene	ND	1.0	ug/L	0.43
1,3-Dichlorobenzene	ND	1.0	ug/L	0.39
1,4-Dichlorobenzene	ND	1.0	ug/L	0.38
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	0.36
Dichlorodifluoromethane	ND	2.0	ug/L	0.52
1,1-Dichloroethane	ND	1.0	ug/L	0.37
1,2-Dichloroethane	ND	1.0	ug/L	0.39
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.37
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.37
1,1-Dichloroethene	ND	1.0	ug/L	0.43
1,2-Dichloroethene (total)	ND	2.0	ug/L	0.73
1,2-Dichloropropane	ND	1.0	ug/L	0.37
1,3-Dichloropropane	ND	1.0	ug/L	0.29
2,2-Dichloropropane	ND	1.0	ug/L	0.39
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.31
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.21
1,1-Dichloropropene	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.42
Hexachlorobutadiene	ND	1.0	ug/L	0.57
2-Hexanone	ND	5.0	ug/L	0.27
Iodomethane	ND	1.0	ug/L	0.59
Isopropylbenzene	ND	1.0	ug/L	0.42
p-Isopropyltoluene	ND	1.0	ug/L	0.63
Methyl acetate	ND	5.0	ug/L	0.96
Methylcyclohexane	ND	5.0	ug/L	0.72
Methylene chloride	ND	1.0	ug/L	0.42
Trichlorofluoromethane	ND	2.0	ug/L	0.47

(Continued on next page)

EA Engineering, Science and Technology

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: I7F060169-003 Work Order #...: J0DTR1AA Matrix.....: WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	99	(67 - 130)
Toluene-d8	110	(83 - 115)
4-Bromofluorobenzene	106	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

NOTE(S):

J Estimated result Result is less than RL

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F060169
MB Lot-Sample #: I7F150000-158

Work Order #...: J033D1AA
Prep Date.....: 06/14/07
Prep Batch #...: 7166158

Matrix.....: WATER
Analysis Time..: 18:08

Analysis Date..: 06/14/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Acrolein	ND	10	ug/L	SW846 8260B
Acrylonitrile	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	5.0	ug/L	SW846 8260B
Methylcyclohexane	ND	5.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
n-Butanol	ND	250	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	107	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AA Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169
MB Lot-Sample #: I7F060000-509

Work Order #...: J0FF11AA

Matrix.....: WATER

Prep Date.....: 06/06/07

Analysis Time..: 12:52

Analysis Date..: 06/12/07

Prep Batch #...: 7157509

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzoic acid	ND	50	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Benzidine	ND	50	ug/L	SW846 8270C
Biphenyl	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
Pyridine	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	83	(52 - 114)
2-Fluorobiphenyl	83	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	77	(44 - 114)
Phenol-d5	83	(45 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Tribromophenol	95	(51 - 130)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: I7F060169
MB Lot-Sample #: D7F070000-540

Work Order #...: J0J101AA
Prep Date.....: 06/07/07
Prep Batch #...: 7158540

Matrix.....: WATER
Analysis Time..: 23:07

Analysis Date..: 06/15/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Endrin	ND	0.050	ug/L	SW846 8081A
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-BHC	ND	0.050	ug/L	SW846 8081A
beta-BHC	ND	0.050	ug/L	SW846 8081A
delta-BHC	ND	0.050	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.050	ug/L	SW846 8081A
4,4'-DDD	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Dieldrin	ND	0.050	ug/L	SW846 8081A
Endosulfan I	ND	0.050	ug/L	SW846 8081A
Endosulfan II	ND	0.050	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.050	ug/L	SW846 8081A
Endrin aldehyde	ND	0.050	ug/L	SW846 8081A
Heptachlor	ND	0.050	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.050	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Toxaphene	ND	2.5	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
Endrin ketone	ND	0.050	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	83	(20 - 144)
Tetrachloro-m-xylene	80	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I7F110000-268 **Prep Batch #...:** 7162268						
Aluminum	ND	50.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AU
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Antimony	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A3
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Arsenic	**0.045 B**	**1.0**	**ug/L**	**SW846 6020**	**06/11-06/13/07**	**J0PX11AC**
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Barium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AD
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Beryllium	ND	1.0	ug/L	SW846 6020	06/11-06/14/07	J0PX11AV
		Dilution Factor: 1				
		Analysis Time..: 14:47				
Cadmium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AE
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Cobalt	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AW
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Copper	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AX
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Iron	ND	50.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A0
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Lead	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AH
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Lithium	ND	8.0	ug/L	SW846 6020	06/11-06/14/07	J0PX11A1
		Dilution Factor: 1				
		Analysis Time..: 14:47				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	ND	10.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AG
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Nickel	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A2
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Selenium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AJ
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Silver	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11AA
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Thallium	ND	1.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A5
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Titanium	ND	10.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A4
		Dilution Factor: 1				
		Analysis Time..: 17:10				
Zinc	ND	10.0	ug/L	SW846 6020	06/11-06/13/07	J0PX11A6
		Dilution Factor: 1				
		Analysis Time..: 17:10				

MB Lot-Sample #: I7F130000-268 **Prep Batch #...:** 7164268

Boron	ND	0.20	mg/L	SW846 6010B	06/13-06/14/07	J0WAX1AE
		Dilution Factor: 1				
		Analysis Time..: 11:52				

MB Lot-Sample #: I7F140000-432 **Prep Batch #...:** 7165432

Mercury	ND	0.00020	mg/L	SW846 7470A	06/14-06/15/07	J02Q01AD
		Dilution Factor: 1				
		Analysis Time..: 11:27				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 14:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	93	(70 - 118)			SW846 8260B
	100	(70 - 118)	8.0	(0-20)	SW846 8260B
Chlorobenzene	87	(65 - 120)			SW846 8260B
	93	(65 - 120)	7.4	(0-20)	SW846 8260B
1,1-Dichloroethene	89	(71 - 125)			SW846 8260B
	97	(71 - 125)	7.9	(0-20)	SW846 8260B
Toluene	94	(76 - 120)			SW846 8260B
	101	(76 - 120)	7.5	(0-20)	SW846 8260B
Trichloroethene	86	(64 - 120)			SW846 8260B
	92	(64 - 120)	6.7	(0-20)	SW846 8260B
Acetone	117	(35 - 161)			SW846 8260B
	128	(35 - 161)	8.7	(0-20)	SW846 8260B
Bromobenzene	84	(63 - 126)			SW846 8260B
	90	(63 - 126)	6.1	(0-20)	SW846 8260B
Bromodichloromethane	95	(53 - 147)			SW846 8260B
	102	(53 - 147)	7.6	(0-20)	SW846 8260B
Bromoform	87	(33 - 151)			SW846 8260B
	93	(33 - 151)	7.6	(0-20)	SW846 8260B
Bromomethane	115	(38 - 163)			SW846 8260B
	126	(38 - 163)	9.3	(0-20)	SW846 8260B
2-Butanone (MEK)	102	(28 - 177)			SW846 8260B
	109	(28 - 177)	6.6	(0-20)	SW846 8260B
n-Butylbenzene	90	(55 - 156)			SW846 8260B
	96	(55 - 156)	6.3	(0-20)	SW846 8260B
sec-Butylbenzene	92	(57 - 153)			SW846 8260B
	97	(57 - 153)	5.8	(0-20)	SW846 8260B
tert-Butylbenzene	96	(65 - 139)			SW846 8260B
	103	(65 - 139)	7.1	(0-20)	SW846 8260B
Carbon disulfide	105	(64 - 128)			SW846 8260B
	107	(64 - 128)	2.0	(0-20)	SW846 8260B
Carbon tetrachloride	95	(55 - 139)			SW846 8260B
	103	(55 - 139)	7.5	(0-20)	SW846 8260B
Chloroethane	103	(62 - 130)			SW846 8260B
	110	(62 - 130)	6.8	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	130 a	(10 - 122)			SW846 8260B
	141 a	(10 - 122)	8.4	(0-20)	SW846 8260B
Chloroform	93	(69 - 128)			SW846 8260B
	100	(69 - 128)	7.4	(0-20)	SW846 8260B
Chloromethane	91	(57 - 148)			SW846 8260B
	98	(57 - 148)	7.2	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chlorotoluene	91	(66 - 134)			SW846 8260B
	97	(66 - 134)	6.9	(0-20)	SW846 8260B
4-Chlorotoluene	90	(62 - 140)			SW846 8260B
	96	(62 - 140)	6.1	(0-20)	SW846 8260B
Dibromochloromethane	92	(55 - 128)			SW846 8260B
	100	(55 - 128)	8.3	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	76	(51 - 133)			SW846 8260B
	80	(51 - 133)	5.6	(0-40)	SW846 8260B
1,2-Dibromoethane (EDB)	87	(67 - 122)			SW846 8260B
	93	(67 - 122)	6.2	(0-20)	SW846 8260B
Dibromomethane	82	(64 - 124)			SW846 8260B
	86	(64 - 124)	5.1	(0-20)	SW846 8260B
1,2-Dichlorobenzene	85	(65 - 122)			SW846 8260B
	91	(65 - 122)	7.2	(0-20)	SW846 8260B
1,3-Dichlorobenzene	87	(69 - 120)			SW846 8260B
	91	(69 - 120)	4.9	(0-20)	SW846 8260B
1,4-Dichlorobenzene	84	(69 - 123)			SW846 8260B
	89	(69 - 123)	5.8	(0-20)	SW846 8260B
Dichlorodifluoromethane	61	(30 - 140)			SW846 8260B
	62	(30 - 140)	1.9	(0-20)	SW846 8260B
1,1-Dichloroethane	102	(75 - 126)			SW846 8260B
	110	(75 - 126)	7.6	(0-20)	SW846 8260B
1,2-Dichloroethane	96	(59 - 138)			SW846 8260B
	101	(59 - 138)	5.0	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	84	(71 - 122)			SW846 8260B
	91	(71 - 122)	7.2	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	84	(75 - 129)			SW846 8260B
	90	(75 - 129)	6.4	(0-20)	SW846 8260B
1,2-Dichloropropane	98	(74 - 118)			SW846 8260B
	107	(74 - 118)	8.7	(0-20)	SW846 8260B
1,3-Dichloropropane	93	(67 - 122)			SW846 8260B
	100	(67 - 122)	7.1	(0-20)	SW846 8260B
2,2-Dichloropropane	101	(71 - 151)			SW846 8260B
	110	(71 - 151)	8.0	(0-20)	SW846 8260B
1,1-Dichloropropene	96	(74 - 127)			SW846 8260B
	103	(74 - 127)	6.2	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	99	(58 - 137)			SW846 8260B
	107	(58 - 137)	7.9	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	102	(42 - 185)			SW846 8260B
	110	(42 - 185)	8.1	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	90	(72 - 121)			SW846 8260B
	97	(72 - 121)	6.9	(0-20)	SW846 8260B
Hexachlorobutadiene	88	(71 - 135)			SW846 8260B
	90	(71 - 135)	2.6	(0-20)	SW846 8260B
2-Hexanone	93	(34 - 184)			SW846 8260B
	100	(34 - 184)	7.9	(0-20)	SW846 8260B
Iodomethane	105	(36 - 159)			SW846 8260B
	113	(36 - 159)	7.4	(0-20)	SW846 8260B
Isopropylbenzene	92	(69 - 124)			SW846 8260B
	99	(69 - 124)	6.7	(0-40)	SW846 8260B
p-Isopropyltoluene	95	(63 - 140)			SW846 8260B
	100	(63 - 140)	5.1	(0-20)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	96	(38 - 171)			SW846 8260B
	104	(38 - 171)	8.8	(0-20)	SW846 8260B
Methylene chloride	90	(66 - 116)			SW846 8260B
	96	(66 - 116)	6.4	(0-20)	SW846 8260B
n-Propylbenzene	89	(57 - 142)			SW846 8260B
	94	(57 - 142)	5.5	(0-20)	SW846 8260B
Styrene	97	(69 - 120)			SW846 8260B
	104	(69 - 120)	7.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	90	(58 - 128)			SW846 8260B
	98	(58 - 128)	7.7	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	85	(54 - 129)			SW846 8260B
	90	(54 - 129)	5.8	(0-20)	SW846 8260B
Tetrachloroethene	74	(50 - 131)			SW846 8260B
	78	(50 - 131)	5.4	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	88	(54 - 144)			SW846 8260B
	94	(54 - 144)	6.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	96	(66 - 131)			SW846 8260B
	104	(66 - 131)	8.1	(0-20)	SW846 8260B
1,1,2-Trichloroethane	87	(62 - 127)			SW846 8260B
	93	(62 - 127)	6.4	(0-20)	SW846 8260B
1,2,3-Trichloropropane	87	(61 - 133)			SW846 8260B
	91	(61 - 133)	4.1	(0-20)	SW846 8260B
Trichlorofluoromethane	89	(60 - 129)			SW846 8260B
	94	(60 - 129)	5.1	(0-20)	SW846 8260B
1,2,4-Trimethylbenzene	96	(58 - 152)			SW846 8260B
	102	(58 - 152)	6.1	(0-20)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3,5-Trimethylbenzene	113	(59 - 151)			SW846 8260B
	103	(59 - 151)	9.8	(0-20)	SW846 8260B
Vinyl acetate	122	(59 - 153)			SW846 8260B
	132	(59 - 153)	7.7	(0-20)	SW846 8260B
Vinyl chloride	98	(66 - 127)			SW846 8260B
	103	(66 - 127)	4.7	(0-20)	SW846 8260B
Xylenes (total)	95	(72 - 121)			SW846 8260B
	101	(72 - 121)	7.0	(0-20)	SW846 8260B
Acrolein	131	(19 - 217)			SW846 8260B
	135	(19 - 217)	3.4	(0-20)	SW846 8260B
Acrylonitrile	104	(55 - 163)			SW846 8260B
	110	(55 - 163)	5.9	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	76	(37 - 186)			SW846 8260B
	85	(37 - 186)	11	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	84	(74 - 125)			SW846 8260B
	90	(74 - 125)	6.8	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	94	(57 - 144)			SW846 8260B
	102	(57 - 144)	8.0	(0-20)	SW846 8260B
Methyl acetate	86	(49 - 287)			SW846 8260B
	92	(49 - 287)	6.1	(0-20)	SW846 8260B
Methylcyclohexane	99	(70 - 130)			SW846 8260B
	102	(70 - 130)	3.5	(0-20)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	87	(65 - 153)			SW846 8260B
	91	(65 - 153)	4.1	(0-20)	SW846 8260B
n-Butanol	72	(70 - 130)			SW846 8260B
	82	(70 - 130)	14	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
	102	(75 - 115)
Toluene-d8	111	(90 - 114)
	110	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
	105	(86 - 117)
Dibromofluoromethane	102	(81 - 110)
	100	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 14:35
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	20.0	18.5	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	8.0	SW846 8260B
Chlorobenzene	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.7	ug/L	93	7.4	SW846 8260B
1,1-Dichloroethene	20.0	17.8	ug/L	89		SW846 8260B
	20.0	19.3	ug/L	97	7.9	SW846 8260B
Toluene	20.0	18.8	ug/L	94		SW846 8260B
	20.0	20.3	ug/L	101	7.5	SW846 8260B
Trichloroethene	20.0	17.2	ug/L	86		SW846 8260B
	20.0	18.4	ug/L	92	6.7	SW846 8260B
Acetone	20.0	23.5	ug/L	117		SW846 8260B
	20.0	25.6	ug/L	128	8.7	SW846 8260B
Bromobenzene	20.0	16.9	ug/L	84		SW846 8260B
	20.0	17.9	ug/L	90	6.1	SW846 8260B
Bromodichloromethane	20.0	18.9	ug/L	95		SW846 8260B
	20.0	20.4	ug/L	102	7.6	SW846 8260B
Bromoform	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.7	ug/L	93	7.6	SW846 8260B
Bromomethane	20.0	22.9	ug/L	115		SW846 8260B
	20.0	25.1	ug/L	126	9.3	SW846 8260B
2-Butanone (MEK)	20.0	20.4	ug/L	102		SW846 8260B
	20.0	21.8	ug/L	109	6.6	SW846 8260B
n-Butylbenzene	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.2	ug/L	96	6.3	SW846 8260B
sec-Butylbenzene	20.0	18.4	ug/L	92		SW846 8260B
	20.0	19.5	ug/L	97	5.8	SW846 8260B
tert-Butylbenzene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.7	ug/L	103	7.1	SW846 8260B
Carbon disulfide	20.0	21.0	ug/L	105		SW846 8260B
	20.0	21.4	ug/L	107	2.0	SW846 8260B
Carbon tetrachloride	20.0	19.1	ug/L	95		SW846 8260B
	20.0	20.6	ug/L	103	7.5	SW846 8260B
Chloroethane	20.0	20.7	ug/L	103		SW846 8260B
	20.0	22.1	ug/L	110	6.8	SW846 8260B
2-Chloroethyl vinyl ether	20.0	25.9 a	ug/L	130		SW846 8260B
	20.0	28.2 a	ug/L	141	8.4	SW846 8260B
Chloroform	20.0	18.6	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	7.4	SW846 8260B
Chloromethane	20.0	18.3	ug/L	91		SW846 8260B
	20.0	19.6	ug/L	98	7.2	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Chlorotoluene	20.0	18.2	ug/L	91		SW846 8260B
	20.0	19.5	ug/L	97	6.9	SW846 8260B
4-Chlorotoluene	20.0	18.1	ug/L	90		SW846 8260B
	20.0	19.2	ug/L	96	6.1	SW846 8260B
Dibromochloromethane	20.0	18.4	ug/L	92		SW846 8260B
	20.0	19.9	ug/L	100	8.3	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	20.0	15.1	ug/L	76		SW846 8260B
	20.0	16.0	ug/L	80	5.6	SW846 8260B
1,2-Dibromoethane (EDB)	20.0	17.5	ug/L	87		SW846 8260B
	20.0	18.6	ug/L	93	6.2	SW846 8260B
Dibromomethane	20.0	16.3	ug/L	82		SW846 8260B
	20.0	17.2	ug/L	86	5.1	SW846 8260B
1,2-Dichlorobenzene	20.0	17.0	ug/L	85		SW846 8260B
	20.0	18.3	ug/L	91	7.2	SW846 8260B
1,3-Dichlorobenzene	20.0	17.3	ug/L	87		SW846 8260B
	20.0	18.2	ug/L	91	4.9	SW846 8260B
1,4-Dichlorobenzene	20.0	16.8	ug/L	84		SW846 8260B
	20.0	17.8	ug/L	89	5.8	SW846 8260B
Dichlorodifluoromethane	20.0	12.2	ug/L	61		SW846 8260B
	20.0	12.5	ug/L	62	1.9	SW846 8260B
1,1-Dichloroethane	20.0	20.3	ug/L	102		SW846 8260B
	20.0	21.9	ug/L	110	7.6	SW846 8260B
1,2-Dichloroethane	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.2	ug/L	101	5.0	SW846 8260B
cis-1,2-Dichloroethene	20.0	16.8	ug/L	84		SW846 8260B
	20.0	18.1	ug/L	91	7.2	SW846 8260B
trans-1,2-Dichloroethene	20.0	16.9	ug/L	84		SW846 8260B
	20.0	18.0	ug/L	90	6.4	SW846 8260B
1,2-Dichloropropane	20.0	19.7	ug/L	98		SW846 8260B
	20.0	21.4	ug/L	107	8.7	SW846 8260B
1,3-Dichloropropane	20.0	18.5	ug/L	93		SW846 8260B
	20.0	19.9	ug/L	100	7.1	SW846 8260B
2,2-Dichloropropane	20.0	20.3	ug/L	101		SW846 8260B
	20.0	22.0	ug/L	110	8.0	SW846 8260B
1,1-Dichloropropene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.5	ug/L	103	6.2	SW846 8260B
cis-1,3-Dichloropropene	20.0	19.9	ug/L	99		SW846 8260B
	20.0	21.5	ug/L	107	7.9	SW846 8260B
trans-1,3-Dichloropropene	20.0	20.3	ug/L	102		SW846 8260B
	20.0	22.1	ug/L	110	8.1	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethylbenzene	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.3	ug/L	97	6.9	SW846 8260B
Hexachlorobutadiene	20.0	17.6	ug/L	88		SW846 8260B
	20.0	18.0	ug/L	90	2.6	SW846 8260B
2-Hexanone	20.0	18.5	ug/L	93		SW846 8260B
	20.0	20.1	ug/L	100	7.9	SW846 8260B
Iodomethane	20.0	21.0	ug/L	105		SW846 8260B
	20.0	22.6	ug/L	113	7.4	SW846 8260B
Isopropylbenzene	20.0	18.5	ug/L	92		SW846 8260B
	20.0	19.8	ug/L	99	6.7	SW846 8260B
p-Isopropyltoluene	20.0	18.9	ug/L	95		SW846 8260B
	20.0	19.9	ug/L	100	5.1	SW846 8260B
4-Methyl-2-pentanone (MIBK)	20.0	19.1	ug/L	96		SW846 8260B
	20.0	20.9	ug/L	104	8.8	SW846 8260B
Methylene chloride	20.0	18.1	ug/L	90		SW846 8260B
	20.0	19.3	ug/L	96	6.4	SW846 8260B
n-Propylbenzene	20.0	17.9	ug/L	89		SW846 8260B
	20.0	18.9	ug/L	94	5.5	SW846 8260B
Styrene	20.0	19.4	ug/L	97		SW846 8260B
	20.0	20.9	ug/L	104	7.1	SW846 8260B
1,1,1,2-Tetrachloroethane	20.0	18.0	ug/L	90		SW846 8260B
	20.0	19.5	ug/L	98	7.7	SW846 8260B
1,1,2,2-Tetrachloroethane	20.0	17.0	ug/L	85		SW846 8260B
	20.0	18.0	ug/L	90	5.8	SW846 8260B
Tetrachloroethene	20.0	14.8	ug/L	74		SW846 8260B
	20.0	15.7	ug/L	78	5.4	SW846 8260B
1,2,4-Trichloro-benzene	20.0	17.6	ug/L	88		SW846 8260B
	20.0	18.8	ug/L	94	6.3	SW846 8260B
1,1,1-Trichloroethane	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.9	ug/L	104	8.1	SW846 8260B
1,1,2-Trichloroethane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.5	ug/L	93	6.4	SW846 8260B
1,2,3-Trichloropropane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.1	ug/L	91	4.1	SW846 8260B
Trichlorofluoromethane	20.0	17.9	ug/L	89		SW846 8260B
	20.0	18.8	ug/L	94	5.1	SW846 8260B
1,2,4-Trimethylbenzene	20.0	19.3	ug/L	96		SW846 8260B
	20.0	20.5	ug/L	102	6.1	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,3,5-Trimethylbenzene	20.0	22.6	ug/L	113		SW846 8260B
	20.0	20.5	ug/L	103	9.8	SW846 8260B
Vinyl acetate	20.0	24.5	ug/L	122		SW846 8260B
	20.0	26.4	ug/L	132	7.7	SW846 8260B
Vinyl chloride	20.0	19.6	ug/L	98		SW846 8260B
	20.0	20.5	ug/L	103	4.7	SW846 8260B
Xylenes (total)	60.0	56.8	ug/L	95		SW846 8260B
	60.0	60.9	ug/L	101	7.0	SW846 8260B
Acrolein	100	131	ug/L	131		SW846 8260B
	100	135	ug/L	135	3.4	SW846 8260B
Acrylonitrile	100	104	ug/L	104		SW846 8260B
	100	110	ug/L	110	5.9	SW846 8260B
trans-1,4-Dichloro-2-butene	20.0	15.2	ug/L	76		SW846 8260B
	20.0	16.9	ug/L	85	11	SW846 8260B
1,2-Dichloroethene (total)	40.0	33.7	ug/L	84		SW846 8260B
	40.0	36.1	ug/L	90	6.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	20.0	18.8	ug/L	94		SW846 8260B
	20.0	20.4	ug/L	102	8.0	SW846 8260B
Methyl acetate	50.0	43.1	ug/L	86		SW846 8260B
	50.0	45.8	ug/L	92	6.1	SW846 8260B
Methylcyclohexane	50.0	49.3	ug/L	99		SW846 8260B
	50.0	51.0	ug/L	102	3.5	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.4	ug/L	87		SW846 8260B
	20.0	18.1	ug/L	91	4.1	SW846 8260B
n-Butanol	1000	718	ug/L	72		SW846 8260B
	1000	823	ug/L	82	14	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
	102	(75 - 115)
Toluene-d8	111	(90 - 114)
	110	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
	105	(86 - 117)
Dibromofluoromethane	102	(81 - 110)
	100	(81 - 110)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J033D1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: I7F150000-158 J033D1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 13:21
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	80	(67 - 105)	SW846 8270C
Acenaphthylene	77	(65 - 106)	SW846 8270C
Aniline	66	(26 - 111)	SW846 8270C
Anthracene	78	(60 - 108)	SW846 8270C
Benzo(a)anthracene	75	(63 - 109)	SW846 8270C
Benzo(b)fluoranthene	75	(59 - 108)	SW846 8270C
Benzo(k)fluoranthene	71	(57 - 125)	SW846 8270C
Benzoic acid	70	(10 - 119)	SW846 8270C
Benzo(ghi)perylene	85	(55 - 124)	SW846 8270C
Benzo(a)pyrene	74	(64 - 104)	SW846 8270C
Benzyl alcohol	80	(57 - 122)	SW846 8270C
2-Chlorophenol	76	(61 - 106)	SW846 8270C
4-Chloro-3-methylphenol	79	(64 - 105)	SW846 8270C
bis(2-Chloroethoxy) methane	80	(56 - 112)	SW846 8270C
bis(2-Chloroethyl)-ether	74	(55 - 110)	SW846 8270C
bis(2-Chloroisopropyl) ether	75	(54 - 112)	SW846 8270C
bis(2-Ethylhexyl) phthalate	74	(10 - 174)	SW846 8270C
4-Bromophenyl phenyl ether	82	(60 - 116)	SW846 8270C
Butyl benzyl phthalate	74	(59 - 109)	SW846 8270C
Carbazole	83	(57 - 114)	SW846 8270C
4-Chloroaniline	72	(35 - 110)	SW846 8270C
2-Chloronaphthalene	89	(62 - 112)	SW846 8270C
4-Chlorophenyl phenyl ether	81	(57 - 110)	SW846 8270C
Chrysene	71	(65 - 111)	SW846 8270C
Dibenz(a,h)anthracene	66	(60 - 118)	SW846 8270C
Dibenzofuran	80	(65 - 108)	SW846 8270C
Di-n-butyl phthalate	80	(60 - 110)	SW846 8270C
3,3'-Dichlorobenzidine	65	(22 - 121)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4-Dichlorophenol	80	(64 - 106)	SW846 8270C
Diethyl phthalate	82	(61 - 108)	SW846 8270C
2,4-Dimethylphenol	50	(17 - 97)	SW846 8270C
Dimethyl phthalate	80	(65 - 105)	SW846 8270C
4,6-Dinitro-2-methylphenol	84	(65 - 114)	SW846 8270C
2,4-Dinitrophenol	78	(46 - 115)	SW846 8270C
2,4-Dinitrotoluene	81	(55 - 113)	SW846 8270C
2,6-Dinitrotoluene	79	(61 - 106)	SW846 8270C
Di-n-octyl phthalate	71	(59 - 113)	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	84	(65 - 115)	SW846 8270C
Fluoranthene	81	(65 - 112)	SW846 8270C
Fluorene	80	(66 - 106)	SW846 8270C
Hexachlorobenzene	82	(65 - 108)	SW846 8270C
Hexachlorocyclopentadiene	31	(1.0- 91)	SW846 8270C
Hexachloroethane	75	(56 - 112)	SW846 8270C
Indeno(1,2,3-cd)pyrene	79	(60 - 118)	SW846 8270C
Isophorone	77	(64 - 112)	SW846 8270C
2-Methylnaphthalene	79	(62 - 107)	SW846 8270C
2-Methylphenol	74	(57 - 106)	SW846 8270C
2-Nitroaniline	78	(58 - 113)	SW846 8270C
3-Nitroaniline	79	(43 - 124)	SW846 8270C
4-Nitroaniline	81	(48 - 130)	SW846 8270C
Nitrobenzene	77	(61 - 108)	SW846 8270C
2-Nitrophenol	80	(63 - 107)	SW846 8270C
4-Nitrophenol	86	(46 - 122)	SW846 8270C
N-Nitrosodi-n-propylamine	80	(53 - 113)	SW846 8270C
N-Nitrosodimethylamine	81	(36 - 114)	SW846 8270C
N-Nitrosodiphenylamine	65	(46 - 92)	SW846 8270C
Phenanthrene	82	(60 - 112)	SW846 8270C
Phenol	76	(54 - 124)	SW846 8270C
Pyrene	77	(64 - 108)	SW846 8270C
Pyridine	72	(18 - 126)	SW846 8270C
2,4,5-Trichlorophenol	84	(56 - 109)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,6-Trichloro-phenol	87	(62 - 106)	SW846 8270C
Benzidine	13	(1.0- 87)	SW846 8270C
Acetophenone	78	(62 - 115)	SW846 8270C
Biphenyl	92	(43 - 162)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 13:21
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	100	79.6	ug/L	80	SW846 8270C
Acenaphthylene	100	77.3	ug/L	77	SW846 8270C
Aniline	100	65.9	ug/L	66	SW846 8270C
Anthracene	100	78.3	ug/L	78	SW846 8270C
Benzo(a)anthracene	100	75.1	ug/L	75	SW846 8270C
Benzo(b)fluoranthene	100	75.3	ug/L	75	SW846 8270C
Benzo(k)fluoranthene	100	70.8	ug/L	71	SW846 8270C
Benzoic acid	100	70.4	ug/L	70	SW846 8270C
Benzo(ghi)perylene	100	84.6	ug/L	85	SW846 8270C
Benzo(a)pyrene	100	74.3	ug/L	74	SW846 8270C
Benzyl alcohol	100	79.7	ug/L	80	SW846 8270C
2-Chlorophenol	100	76.4	ug/L	76	SW846 8270C
4-Chloro-3-methylphenol	100	79.3	ug/L	79	SW846 8270C
bis(2-Chloroethoxy) methane	100	79.6	ug/L	80	SW846 8270C
bis(2-Chloroethyl)-ether	100	74.5	ug/L	74	SW846 8270C
bis(2-Chloroisopropyl) ether	100	75.3	ug/L	75	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	74.3	ug/L	74	SW846 8270C
4-Bromophenyl phenyl ether	100	81.9	ug/L	82	SW846 8270C
Butyl benzyl phthalate	100	73.9	ug/L	74	SW846 8270C
Carbazole	100	82.9	ug/L	83	SW846 8270C
4-Chloroaniline	100	71.7	ug/L	72	SW846 8270C
2-Chloronaphthalene	100	88.6	ug/L	89	SW846 8270C
4-Chlorophenyl phenyl ether	100	80.6	ug/L	81	SW846 8270C
Chrysene	100	71.0	ug/L	71	SW846 8270C
Dibenz(a,h)anthracene	100	66.2	ug/L	66	SW846 8270C
Dibenzofuran	100	79.8	ug/L	80	SW846 8270C
Di-n-butyl phthalate	100	80.5	ug/L	80	SW846 8270C
3,3'-Dichlorobenzidine	100	65.1	ug/L	65	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4-Dichlorophenol	100	79.9	ug/L	80	SW846 8270C
Diethyl phthalate	100	82.3	ug/L	82	SW846 8270C
2,4-Dimethylphenol	100	50.4	ug/L	50	SW846 8270C
Dimethyl phthalate	100	80.1	ug/L	80	SW846 8270C
4,6-Dinitro-2-methylphenol	100	83.7	ug/L	84	SW846 8270C
2,4-Dinitrophenol	100	77.8	ug/L	78	SW846 8270C
2,4-Dinitrotoluene	100	81.1	ug/L	81	SW846 8270C
2,6-Dinitrotoluene	100	78.6	ug/L	79	SW846 8270C
Di-n-octyl phthalate	100	70.6	ug/L	71	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	100	84.5	ug/L	84	SW846 8270C
Fluoranthene	100	80.9	ug/L	81	SW846 8270C
Fluorene	100	79.5	ug/L	80	SW846 8270C
Hexachlorobenzene	100	82.5	ug/L	82	SW846 8270C
Hexachlorocyclopentadiene	100	31.3	ug/L	31	SW846 8270C
Hexachloroethane	100	74.8	ug/L	75	SW846 8270C
Indeno(1,2,3-cd)pyrene	100	79.2	ug/L	79	SW846 8270C
Isophorone	100	77.4	ug/L	77	SW846 8270C
2-Methylnaphthalene	100	79.5	ug/L	79	SW846 8270C
2-Methylphenol	100	74.0	ug/L	74	SW846 8270C
2-Nitroaniline	100	78.0	ug/L	78	SW846 8270C
3-Nitroaniline	100	79.0	ug/L	79	SW846 8270C
4-Nitroaniline	100	80.6	ug/L	81	SW846 8270C
Nitrobenzene	100	76.6	ug/L	77	SW846 8270C
2-Nitrophenol	100	80.0	ug/L	80	SW846 8270C
4-Nitrophenol	100	86.3	ug/L	86	SW846 8270C
N-Nitrosodi-n-propylamine	100	79.7	ug/L	80	SW846 8270C
N-Nitrosodimethylamine	100	81.5	ug/L	81	SW846 8270C
N-Nitrosodiphenylamine	100	64.7	ug/L	65	SW846 8270C
Phenanthrene	100	81.8	ug/L	82	SW846 8270C
Phenol	100	76.0	ug/L	76	SW846 8270C
Pyrene	100	76.9	ug/L	77	SW846 8270C
Pyridine	100	72.0	ug/L	72	SW846 8270C
2,4,5-Trichlorophenol	100	84.2	ug/L	84	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FF11AC Matrix.....: WATER
LCS Lot-Sample#: I7F060000-509

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4,6-Trichloro-phenol	100	86.9	ug/L	87	SW846 8270C
Benzidine	100		ug/L	13	SW846 8270C
Acetophenone	100	78.1	ug/L	78	SW846 8270C
Biphenyl	100	91.6	ug/L	92	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0J101AC Matrix.....: WATER
LCS Lot-Sample#: D7F070000-540
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
4,4'-DDT	87	(52 - 128)	**SW846 8081A**
Aldrin	84	(46 - 119)	**SW846 8081A**
Dieldrin	100	(71 - 121)	**SW846 8081A**
Endrin	105	(59 - 133)	**SW846 8081A**
gamma-BHC (Lindane)	101	(68 - 119)	**SW846 8081A**
Heptachlor	90	(51 - 117)	**SW846 8081A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(53 - 127)
Tetrachloro-m-xylene	86	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0J101AC Matrix.....: WATER
LCS Lot-Sample#: D7F070000-540
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 15:10
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4,4'-DDT	0.500	0.433	ug/L	87	SW846 8081A
Aldrin	0.500	0.422	ug/L	84	SW846 8081A
Dieldrin	0.500	0.499	ug/L	100	SW846 8081A
Endrin	0.500	0.523	ug/L	105	SW846 8081A
gamma-BHC (Lindane)	0.500	0.505	ug/L	101	SW846 8081A
Heptachlor	0.500	0.448	ug/L	90	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(53 - 127)
Tetrachloro-m-xylene	86	(42 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: I7F110000-268 Prep Batch #...: 7162268					
Silver	98	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AK
		Dilution Factor: 1	Analysis Time..: 17:15		
Arsenic	92	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AL
		Dilution Factor: 1	Analysis Time..: 17:15		
Barium	97	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AM
		Dilution Factor: 1	Analysis Time..: 17:15		
Cadmium	98	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AN
		Dilution Factor: 1	Analysis Time..: 17:15		
Manganese	100	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AQ
		Dilution Factor: 1	Analysis Time..: 17:15		
Lead	99	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AR
		Dilution Factor: 1	Analysis Time..: 17:15		
Selenium	97	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11AT
		Dilution Factor: 1	Analysis Time..: 17:15		
Aluminum	93	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CD
		Dilution Factor: 1	Analysis Time..: 17:15		
Beryllium	96	(80 - 120)	SW846 6020	06/11-06/14/07	J0PX11CE
		Dilution Factor: 1	Analysis Time..: 14:50		
Cobalt	99	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CF
		Dilution Factor: 1	Analysis Time..: 17:15		
Copper	100	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CG
		Dilution Factor: 1	Analysis Time..: 17:15		
Iron	98	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CH
		Dilution Factor: 1	Analysis Time..: 17:15		
Lithium	98	(80 - 120)	SW846 6020	06/11-06/14/07	J0PX11CJ
		Dilution Factor: 1	Analysis Time..: 14:50		
Nickel	97	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CK
		Dilution Factor: 1	Analysis Time..: 17:15		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	97	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CL
		Dilution Factor: 1	Analysis Time..: 17:15		
Titanium	100	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CM
		Dilution Factor: 1	Analysis Time..: 17:15		
Thallium	93	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CN
		Dilution Factor: 1	Analysis Time..: 17:15		
Zinc	100	(80 - 120)	SW846 6020	06/11-06/13/07	J0PX11CP
		Dilution Factor: 1	Analysis Time..: 17:15		
LCS Lot-Sample#:	I7F130000-268	**Prep Batch #...:**	7164268		
Boron	99	(80 - 120)	SW846 6010B	06/13-06/14/07	J0WAX1AR
		Dilution Factor: 1	Analysis Time..: 11:57		
LCS Lot-Sample#:	I7F140000-432	**Prep Batch #...:**	7165432		
Mercury	101	(80 - 120)	SW846 7470A	06/14-06/15/07	J02Q01AF
		Dilution Factor: 1	Analysis Time..: 11:28		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

LCS Lot-Sample#: I7F110000-268 Prep Batch #...: 7162268

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	10.0	9.77	ug/L	98	SW846 6020	06/11-06/13/07	J0PX11AK
			Dilution Factor: 1		Analysis Time..: 17:15		
Arsenic	50.0	46.2	ug/L	92	SW846 6020	06/11-06/13/07	J0PX11AL
			Dilution Factor: 1		Analysis Time..: 17:15		
Barium	50.0	48.7	ug/L	97	SW846 6020	06/11-06/13/07	J0PX11AM
			Dilution Factor: 1		Analysis Time..: 17:15		
Cadmium	50.0	48.9	ug/L	98	SW846 6020	06/11-06/13/07	J0PX11AN
			Dilution Factor: 1		Analysis Time..: 17:15		
Manganese	50.0	50.1	ug/L	100	SW846 6020	06/11-06/13/07	J0PX11AQ
			Dilution Factor: 1		Analysis Time..: 17:15		
Lead	50.0	49.4	ug/L	99	SW846 6020	06/11-06/13/07	J0PX11AR
			Dilution Factor: 1		Analysis Time..: 17:15		
Selenium	50.0	48.5	ug/L	97	SW846 6020	06/11-06/13/07	J0PX11AT
			Dilution Factor: 1		Analysis Time..: 17:15		
Aluminum	5000	4630	ug/L	93	SW846 6020	06/11-06/13/07	J0PX11CD
			Dilution Factor: 1		Analysis Time..: 17:15		
Beryllium	50.0	48.1	ug/L	96	SW846 6020	06/11-06/14/07	J0PX11CE
			Dilution Factor: 1		Analysis Time..: 14:50		
Cobalt	50.0	49.6	ug/L	99	SW846 6020	06/11-06/13/07	J0PX11CF
			Dilution Factor: 1		Analysis Time..: 17:15		
Copper	50.0	49.8	ug/L	100	SW846 6020	06/11-06/13/07	J0PX11CG
			Dilution Factor: 1		Analysis Time..: 17:15		
Iron	5000	4880	ug/L	98	SW846 6020	06/11-06/13/07	J0PX11CH
			Dilution Factor: 1		Analysis Time..: 17:15		
Lithium	50.0	49.0	ug/L	98	SW846 6020	06/11-06/14/07	J0PX11CJ
			Dilution Factor: 1		Analysis Time..: 14:50		
Nickel	50.0	48.5	ug/L	97	SW846 6020	06/11-06/13/07	J0PX11CK
			Dilution Factor: 1		Analysis Time..: 17:15		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	50.0	48.4	ug/L	97	SW846 6020	06/11-06/13/07	J0PX11CL
			Dilution Factor: 1		Analysis Time..: 17:15		
Titanium	50.0	50.0	ug/L	100	SW846 6020	06/11-06/13/07	J0PX11CM
			Dilution Factor: 1		Analysis Time..: 17:15		
Thallium	50.0	46.7	ug/L	93	SW846 6020	06/11-06/13/07	J0PX11CN
			Dilution Factor: 1		Analysis Time..: 17:15		
Zinc	50.0	49.8	ug/L	100	SW846 6020	06/11-06/13/07	J0PX11CP
			Dilution Factor: 1		Analysis Time..: 17:15		
LCS Lot-Sample#: I7F130000-268 **Prep Batch #...:** 7164268							
Boron	0.500	0.495	mg/L	99	SW846 6010B	06/13-06/14/07	J0WAX1AR
			Dilution Factor: 1		Analysis Time..: 11:57		
LCS Lot-Sample#: I7F140000-432 **Prep Batch #...:** 7165432							
Mercury	0.00500	0.00506	mg/L	101	SW846 7470A	06/14-06/15/07	J02Q01AF
			Dilution Factor: 1		Analysis Time..: 11:28		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 16:28
Dilution Factor: 20000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	95	(70 - 118)			SW846 8260B
	99	(70 - 118)	4.4	(0-20)	SW846 8260B
Chlorobenzene	90	(65 - 120)			SW846 8260B
	94	(65 - 120)	4.9	(0-20)	SW846 8260B
1,1-Dichloroethene	93	(71 - 125)			SW846 8260B
	95	(71 - 125)	2.2	(0-20)	SW846 8260B
Toluene	97	(76 - 120)			SW846 8260B
	102	(76 - 120)	5.0	(0-20)	SW846 8260B
Trichloroethene	90	(64 - 120)			SW846 8260B
	94	(64 - 120)	3.5	(0-20)	SW846 8260B
Acetone	108	(35 - 161)			SW846 8260B
	142 p	(35 - 161)	25	(0-20)	SW846 8260B
Bromobenzene	86	(63 - 126)			SW846 8260B
	91	(63 - 126)	4.8	(0-20)	SW846 8260B
Bromodichloromethane	97	(53 - 147)			SW846 8260B
	101	(53 - 147)	4.4	(0-20)	SW846 8260B
Bromoform	89	(33 - 151)			SW846 8260B
	92	(33 - 151)	3.4	(0-20)	SW846 8260B
Bromomethane	119	(38 - 163)			SW846 8260B
	127	(38 - 163)	5.7	(0-20)	SW846 8260B
2-Butanone (MEK)	107	(28 - 177)			SW846 8260B
	111	(28 - 177)	3.4	(0-20)	SW846 8260B
n-Butylbenzene	95	(55 - 156)			SW846 8260B
	97	(55 - 156)	2.0	(0-20)	SW846 8260B
sec-Butylbenzene	95	(57 - 153)			SW846 8260B
	98	(57 - 153)	2.7	(0-20)	SW846 8260B
tert-Butylbenzene	100	(65 - 139)			SW846 8260B
	103	(65 - 139)	3.4	(0-20)	SW846 8260B
Carbon disulfide	107	(64 - 128)			SW846 8260B
	105	(64 - 128)	1.1	(0-20)	SW846 8260B
Carbon tetrachloride	93	(55 - 139)			SW846 8260B
	96	(55 - 139)	2.9	(0-20)	SW846 8260B
Chloroethane	105	(62 - 130)			SW846 8260B
	109	(62 - 130)	4.1	(0-20)	SW846 8260B
2-Chloroethyl vinyl ether	137 a	(10 - 122)			SW846 8260B
	145 a	(10 - 122)	5.4	(0-20)	SW846 8260B
Chloroform	95	(69 - 128)			SW846 8260B
	99	(69 - 128)	3.6	(0-20)	SW846 8260B
Chloromethane	90	(57 - 148)			SW846 8260B
	94	(57 - 148)	4.1	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Chlorotoluene	93	(66 - 134)			SW846 8260B
	96	(66 - 134)	4.1	(0-20)	SW846 8260B
4-Chlorotoluene	93	(62 - 140)			SW846 8260B
	96	(62 - 140)	2.8	(0-20)	SW846 8260B
Dibromochloromethane	96	(55 - 128)			SW846 8260B
	100	(55 - 128)	4.2	(0-20)	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	76	(51 - 133)			SW846 8260B
	78	(51 - 133)	2.8	(0-40)	SW846 8260B
1,2-Dibromoethane (EDB)	91	(67 - 122)			SW846 8260B
	93	(67 - 122)	2.6	(0-20)	SW846 8260B
Dibromomethane	83	(64 - 124)			SW846 8260B
	86	(64 - 124)	3.3	(0-20)	SW846 8260B
1,2-Dichlorobenzene	88	(65 - 122)			SW846 8260B
	91	(65 - 122)	3.2	(0-20)	SW846 8260B
1,3-Dichlorobenzene	88	(69 - 120)			SW846 8260B
	92	(69 - 120)	4.4	(0-20)	SW846 8260B
1,4-Dichlorobenzene	86	(69 - 123)			SW846 8260B
	89	(69 - 123)	3.6	(0-20)	SW846 8260B
Dichlorodifluoromethane	57	(30 - 140)			SW846 8260B
	56	(30 - 140)	0.73	(0-20)	SW846 8260B
1,1-Dichloroethane	104	(75 - 126)			SW846 8260B
	109	(75 - 126)	4.5	(0-20)	SW846 8260B
1,2-Dichloroethane	80	(59 - 138)			SW846 8260B
	88	(59 - 138)	4.9	(0-20)	SW846 8260B
cis-1,2-Dichloroethene	87	(71 - 122)			SW846 8260B
	91	(71 - 122)	3.5	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	88	(75 - 129)			SW846 8260B
	89	(75 - 129)	1.1	(0-20)	SW846 8260B
1,2-Dichloropropane	102	(74 - 118)			SW846 8260B
	106	(74 - 118)	4.0	(0-20)	SW846 8260B
1,3-Dichloropropane	95	(67 - 122)			SW846 8260B
	100	(67 - 122)	4.3	(0-20)	SW846 8260B
2,2-Dichloropropane	106	(71 - 151)			SW846 8260B
	111	(71 - 151)	4.7	(0-20)	SW846 8260B
1,1-Dichloropropene	100	(74 - 127)			SW846 8260B
	102	(74 - 127)	2.5	(0-20)	SW846 8260B
cis-1,3-Dichloropropene	103	(58 - 137)			SW846 8260B
	108	(58 - 137)	4.6	(0-20)	SW846 8260B
trans-1,3-Dichloropropene	106	(42 - 185)			SW846 8260B
	111	(42 - 185)	4.7	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethylbenzene	93	(72 - 121)			SW846 8260B
	97	(72 - 121)	4.7	(0-20)	SW846 8260B
Hexachlorobutadiene	92	(71 - 135)			SW846 8260B
	90	(71 - 135)	1.8	(0-20)	SW846 8260B
2-Hexanone	99	(34 - 184)			SW846 8260B
	103	(34 - 184)	4.3	(0-20)	SW846 8260B
Iodomethane	106	(36 - 159)			SW846 8260B
	110	(36 - 159)	3.8	(0-20)	SW846 8260B
Isopropylbenzene	96	(69 - 124)			SW846 8260B
	100	(69 - 124)	4.4	(0-40)	SW846 8260B
p-Isopropyltoluene	97	(63 - 140)			SW846 8260B
	100	(63 - 140)	3.4	(0-20)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	99	(38 - 171)			SW846 8260B
	104	(38 - 171)	5.4	(0-20)	SW846 8260B
Methylene chloride	60 a	(66 - 116)			SW846 8260B
	84	(66 - 116)	6.6	(0-20)	SW846 8260B
n-Propylbenzene	93	(57 - 142)			SW846 8260B
	95	(57 - 142)	2.8	(0-20)	SW846 8260B
Styrene	100	(69 - 120)			SW846 8260B
	105	(69 - 120)	5.1	(0-20)	SW846 8260B
1,1,1,2-Tetrachloroethane	93	(58 - 128)			SW846 8260B
	98	(58 - 128)	5.7	(0-40)	SW846 8260B
1,1,2,2-Tetrachloroethane	87	(54 - 129)			SW846 8260B
	89	(54 - 129)	3.2	(0-20)	SW846 8260B
Tetrachloroethene	78	(50 - 131)			SW846 8260B
	80	(50 - 131)	3.4	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	91	(54 - 144)			SW846 8260B
	94	(54 - 144)	3.3	(0-20)	SW846 8260B
1,1,1-Trichloroethane	100	(66 - 131)			SW846 8260B
	106	(66 - 131)	4.6	(0-20)	SW846 8260B
1,1,2-Trichloroethane	90	(62 - 127)			SW846 8260B
	93	(62 - 127)	4.2	(0-20)	SW846 8260B
1,2,3-Trichloropropane	87	(61 - 133)			SW846 8260B
	91	(61 - 133)	3.5	(0-20)	SW846 8260B
Trichlorofluoromethane	91	(60 - 129)			SW846 8260B
	93	(60 - 129)	2.1	(0-20)	SW846 8260B
1,2,4-Trimethylbenzene	98	(58 - 152)			SW846 8260B
	102	(58 - 152)	3.8	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3,5-Trimethylbenzene	99	(59 - 151)			SW846 8260B
	120	(59 - 151)	19	(0-20)	SW846 8260B
Vinyl acetate	127	(59 - 153)			SW846 8260B
	133	(59 - 153)	4.2	(0-20)	SW846 8260B
Vinyl chloride	97	(66 - 127)			SW846 8260B
	99	(66 - 127)	2.4	(0-20)	SW846 8260B
Xylenes (total)	97	(72 - 121)			SW846 8260B
	101	(72 - 121)	4.6	(0-20)	SW846 8260B
Acrolein	132	(19 - 217)			SW846 8260B
	136	(19 - 217)	2.3	(0-20)	SW846 8260B
Acrylonitrile	106	(55 - 163)			SW846 8260B
	107	(55 - 163)	1.4	(0-20)	SW846 8260B
trans-1,4-Dichloro-2-butene	87	(37 - 186)			SW846 8260B
	85	(37 - 186)	1.8	(0-20)	SW846 8260B
1,2-Dichloroethene (total)	88	(74 - 125)			SW846 8260B
	90	(74 - 125)	2.3	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	98	(57 - 144)			SW846 8260B
	102	(57 - 144)	3.7	(0-20)	SW846 8260B
Methylcyclohexane	107	(70 - 130)			SW846 8260B
	108	(70 - 130)	0.50	(0-20)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	91	(65 - 153)			SW846 8260B
	90	(65 - 153)	0.54	(0-20)	SW846 8260B
n-Butanol	78	(70 - 130)			SW846 8260B
	86	(70 - 130)	9.9	(0-20)	SW846 8260B
Methyl acetate	90	(70 - 130)			SW846 8260B
	93	(70 - 130)	3.2	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
	101	(67 - 130)
Toluene-d8	111	(83 - 115)
	110	(83 - 115)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(79 - 119)
	105	(79 - 119)
Dibromofluoromethane	102	(88 - 119)
	100	(88 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

p Relative percent difference (RPD) is outside stated control limits

a Spiked analyte recovery is outside stated control limits

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD
Date Sampled...: 06/05/07 16:15 Date Received..: 06/06/07
Prep Date.....: 06/14/07 Analysis Date..: 06/14/07
Prep Batch #...: 7166158 Analysis Time..: 16:28
Dilution Factor: 20000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	8600	400000	389000	ug/L	95		SW846 8260B
	8600	400000	406000	ug/L	99	4.4	SW846 8260B
Chlorobenzene	ND	400000	358000	ug/L	90		SW846 8260B
	ND	400000	376000	ug/L	94	4.9	SW846 8260B
1,1-Dichloroethene	10000	400000	383000	ug/L	93		SW846 8260B
	10000	400000	391000	ug/L	95	2.2	SW846 8260B
Toluene	ND	400000	390000	ug/L	97		SW846 8260B
	ND	400000	410000	ug/L	102	5.0	SW846 8260B
Trichloroethene	75000	400000	434000	ug/L	90		SW846 8260B
	75000	400000	450000	ug/L	94	3.5	SW846 8260B
Acetone	60000	400000	490000	ug/L	108		SW846 8260B
	60000	400000	629000	ug/L	142 p	25	SW846 8260B
Bromobenzene	ND	400000	346000	ug/L	86		SW846 8260B
	ND	400000	363000	ug/L	91	4.8	SW846 8260B
Bromodichloromethane	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	405000	ug/L	101	4.4	SW846 8260B
Bromoform	ND	400000	357000	ug/L	89		SW846 8260B
	ND	400000	370000	ug/L	92	3.4	SW846 8260B
Bromomethane	ND	400000	478000	ug/L	119		SW846 8260B
	ND	400000	506000	ug/L	127	5.7	SW846 8260B
2-Butanone (MEK)	ND	400000	427000	ug/L	107		SW846 8260B
	ND	400000	442000	ug/L	111	3.4	SW846 8260B
n-Butylbenzene	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	387000	ug/L	97	2.0	SW846 8260B
sec-Butylbenzene	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	391000	ug/L	98	2.7	SW846 8260B
tert-Butylbenzene	ND	400000	398000	ug/L	100		SW846 8260B
	ND	400000	412000	ug/L	103	3.4	SW846 8260B
Carbon disulfide	ND	400000	426000	ug/L	107		SW846 8260B
	ND	400000	421000	ug/L	105	1.1	SW846 8260B
Carbon tetrachloride	25000	400000	396000	ug/L	93		SW846 8260B
	25000	400000	408000	ug/L	96	2.9	SW846 8260B
Chloroethane	ND	400000	420000	ug/L	105		SW846 8260B
	ND	400000	438000	ug/L	109	4.1	SW846 8260B
2-Chloroethyl vinyl ether	ND	400000	549000	ug/L	137 a		SW846 8260B
	ND	400000	580000	ug/L	145 a	5.4	SW846 8260B
Chloroform	ND	400000	380000	ug/L	95		SW846 8260B
	ND	400000	394000	ug/L	99	3.6	SW846 8260B
Chloromethane	ND	400000	362000	ug/L	90		SW846 8260B
	ND	400000	377000	ug/L	94	4.1	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Chlorotoluene	ND	400000	370000	ug/L	93		SW846 8260B
	ND	400000	386000	ug/L	96	4.1	SW846 8260B
4-Chlorotoluene	ND	400000	374000	ug/L	93		SW846 8260B
	ND	400000	384000	ug/L	96	2.8	SW846 8260B
Dibromochloromethane	ND	400000	382000	ug/L	96		SW846 8260B
	ND	400000	399000	ug/L	100	4.2	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	400000	305000	ug/L	76		SW846 8260B
	ND	400000	313000	ug/L	78	2.8	SW846 8260B
1,2-Dibromoethane (EDB)	ND	400000	364000	ug/L	91		SW846 8260B
	ND	400000	373000	ug/L	93	2.6	SW846 8260B
Dibromomethane	ND	400000	334000	ug/L	83		SW846 8260B
	ND	400000	345000	ug/L	86	3.3	SW846 8260B
1,2-Dichlorobenzene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	362000	ug/L	91	3.2	SW846 8260B
1,3-Dichlorobenzene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	367000	ug/L	92	4.4	SW846 8260B
1,4-Dichlorobenzene	ND	400000	344000	ug/L	86		SW846 8260B
	ND	400000	357000	ug/L	89	3.6	SW846 8260B
Dichlorodifluoromethane	ND	400000	227000	ug/L	57		SW846 8260B
	ND	400000	225000	ug/L	56	0.73	SW846 8260B
1,1-Dichloroethane	20000	400000	435000	ug/L	104		SW846 8260B
	20000	400000	455000	ug/L	109	4.5	SW846 8260B
1,2-Dichloroethane	370000	400000	689000	ug/L	80		SW846 8260B
	370000	400000	724000	ug/L	88	4.9	SW846 8260B
cis-1,2-Dichloroethene	ND	400000	355000	ug/L	87		SW846 8260B
	ND	400000	368000	ug/L	91	3.5	SW846 8260B
trans-1,2-Dichloroethene	ND	400000	351000	ug/L	88		SW846 8260B
	ND	400000	355000	ug/L	89	1.1	SW846 8260B
1,2-Dichloropropane	9600	400000	417000	ug/L	102		SW846 8260B
	9600	400000	434000	ug/L	106	4.0	SW846 8260B
1,3-Dichloropropane	ND	400000	382000	ug/L	95		SW846 8260B
	ND	400000	398000	ug/L	100	4.3	SW846 8260B
2,2-Dichloropropane	ND	400000	424000	ug/L	106		SW846 8260B
	ND	400000	444000	ug/L	111	4.7	SW846 8260B
1,1-Dichloropropene	ND	400000	400000	ug/L	100		SW846 8260B
	ND	400000	410000	ug/L	102	2.5	SW846 8260B
cis-1,3-Dichloropropene	ND	400000	411000	ug/L	103		SW846 8260B
	ND	400000	430000	ug/L	108	4.6	SW846 8260B
trans-1,3-Dichloropropene	ND	400000	424000	ug/L	106		SW846 8260B
	ND	400000	444000	ug/L	111	4.7	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Ethylbenzene	ND	400000	372000	ug/L	93		SW846 8260B
	ND	400000	389000	ug/L	97	4.7	SW846 8260B
Hexachlorobutadiene	ND	400000	367000	ug/L	92		SW846 8260B
	ND	400000	360000	ug/L	90	1.8	SW846 8260B
2-Hexanone	ND	400000	394000	ug/L	99		SW846 8260B
	ND	400000	411000	ug/L	103	4.3	SW846 8260B
Iodomethane	ND	400000	425000	ug/L	106		SW846 8260B
	ND	400000	441000	ug/L	110	3.8	SW846 8260B
Isopropylbenzene	ND	400000	384000	ug/L	96		SW846 8260B
	ND	400000	402000	ug/L	100	4.4	SW846 8260B
p-Isopropyltoluene	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	402000	ug/L	100	3.4	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	400000	395000	ug/L	99		SW846 8260B
	ND	400000	416000	ug/L	104	5.4	SW846 8260B
Methylene chloride	1200000	400000	1400000	ug/L	60 a		SW846 8260B
	1200000	400000	1500000	ug/L	84	6.6	SW846 8260B
n-Propylbenzene	ND	400000	370000	ug/L	93		SW846 8260B
	ND	400000	381000	ug/L	95	2.8	SW846 8260B
Styrene	ND	400000	400000	ug/L	100		SW846 8260B
	ND	400000	421000	ug/L	105	5.1	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	400000	372000	ug/L	93		SW846 8260B
	ND	400000	394000	ug/L	98	5.7	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	400000	346000	ug/L	87		SW846 8260B
	ND	400000	358000	ug/L	89	3.2	SW846 8260B
Tetrachloroethene	9600	400000	320000	ug/L	78		SW846 8260B
	9600	400000	332000	ug/L	80	3.4	SW846 8260B
1,2,4-Trichlorobenzene	ND	400000	362000	ug/L	91		SW846 8260B
	ND	400000	374000	ug/L	94	3.3	SW846 8260B
1,1,1-Trichloroethane	170000	400000	571000	ug/L	100		SW846 8260B
	170000	400000	597000	ug/L	106	4.6	SW846 8260B
1,1,2-Trichloroethane	ND	400000	358000	ug/L	90		SW846 8260B
	ND	400000	374000	ug/L	93	4.2	SW846 8260B
1,2,3-Trichloropropane	56000	400000	406000	ug/L	87		SW846 8260B
	56000	400000	420000	ug/L	91	3.5	SW846 8260B
Trichlorofluoromethane	ND	400000	363000	ug/L	91		SW846 8260B
	ND	400000	371000	ug/L	93	2.1	SW846 8260B
1,2,4-Trimethylbenzene	ND	400000	393000	ug/L	98		SW846 8260B
	ND	400000	408000	ug/L	102	3.8	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,3,5-Trimethylbenzene	ND	400000	395000	ug/L	99		SW846 8260B
	ND	400000	479000	ug/L	120	19	SW846 8260B
Vinyl acetate	ND	400000	510000	ug/L	127		SW846 8260B
	ND	400000	532000	ug/L	133	4.2	SW846 8260B
Vinyl chloride	ND	400000	388000	ug/L	97		SW846 8260B
	ND	400000	398000	ug/L	99	2.4	SW846 8260B
Xylenes (total)	ND	1200000	1170000	ug/L	97		SW846 8260B
	ND	1200000	1230000	ug/L	101	4.6	SW846 8260B
Acrolein	ND	2000000	2650000	ug/L	132		SW846 8260B
	ND	2000000	2710000	ug/L	136	2.3	SW846 8260B
Acrylonitrile	ND	2000000	2120000	ug/L	106		SW846 8260B
	ND	2000000	2150000	ug/L	107	1.4	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	400000	347000	ug/L	87		SW846 8260B
	ND	400000	341000	ug/L	85	1.8	SW846 8260B
1,2-Dichloroethene (total)	ND	800000	706000	ug/L	88		SW846 8260B
	ND	800000	723000	ug/L	90	2.3	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	400000	392000	ug/L	98		SW846 8260B
	ND	400000	407000	ug/L	102	3.7	SW846 8260B
Methylcyclohexane	ND	1000000	1070000	ug/L	107		SW846 8260B
	ND	1000000	1080000	ug/L	108	0.50	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	400000	364000	ug/L	91		SW846 8260B
	ND	400000	362000	ug/L	90	0.54	SW846 8260B
n-Butanol	ND	2000000	1560000	ug/L	78		SW846 8260B
	ND	2000000	1720000	ug/L	86	9.9	SW846 8260B
Methyl acetate	ND	1000000	900000	ug/L	90		SW846 8260B
	ND	1000000	930000	ug/L	93	3.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
	101	(67 - 130)
Toluene-d8	111	(83 - 115)
	110	(83 - 115)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: I7F060169 Work Order #...: J0DTN1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F060169-002 J0DTN1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(79 - 119)
	105	(79 - 119)
Dibromofluoromethane	102	(88 - 119)
	100	(88 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 14:20
Dilution Factor: 0.95

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	85	(67 - 105)			SW846 8270C
	82	(67 - 105)	3.2	(0-30)	SW846 8270C
Acenaphthylene	82	(65 - 106)			SW846 8270C
	80	(65 - 106)	3.2	(0-30)	SW846 8270C
Aniline	0.0 a	(26 - 111)			SW846 8270C
	0.0 a	(26 - 111)	0.0	(0-30)	SW846 8270C
Anthracene	82	(60 - 108)			SW846 8270C
	77	(60 - 108)	6.5	(0-30)	SW846 8270C
Benzo(a)anthracene	84	(63 - 109)			SW846 8270C
	81	(63 - 109)	3.2	(0-30)	SW846 8270C
Benzo(b)fluoranthene	80	(59 - 108)			SW846 8270C
	77	(59 - 108)	3.8	(0-30)	SW846 8270C
Benzo(k)fluoranthene	78	(57 - 125)			SW846 8270C
	77	(57 - 125)	0.76	(0-30)	SW846 8270C
Benzoic acid	134 a	(10 - 119)			SW846 8270C
	145 a	(10 - 119)	7.3	(0-30)	SW846 8270C
Benzo(ghi)perylene	89	(55 - 124)			SW846 8270C
	86	(55 - 124)	3.6	(0-30)	SW846 8270C
Benzo(a)pyrene	78	(64 - 104)			SW846 8270C
	75	(64 - 104)	4.1	(0-30)	SW846 8270C
Benzyl alcohol	87	(57 - 122)			SW846 8270C
	88	(57 - 122)	0.88	(0-30)	SW846 8270C
2-Chlorophenol	83	(61 - 106)			SW846 8270C
	82	(61 - 106)	1.1	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	87	(64 - 105)			SW846 8270C
	83	(64 - 105)	4.7	(0-30)	SW846 8270C
bis(2-Chloroethoxy) methane	86	(56 - 112)			SW846 8270C
	85	(56 - 112)	1.1	(0-30)	SW846 8270C
bis(2-Chloroethyl)-ether	80	(55 - 110)			SW846 8270C
	79	(55 - 110)	1.0	(0-30)	SW846 8270C
bis(2-Chloroisopropyl) ether	82	(54 - 112)			SW846 8270C
	83	(54 - 112)	0.73	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Ethylhexyl) phthalate	83	(10 - 174)			SW846 8270C
	80	(10 - 174)	3.0	(0-30)	SW846 8270C
4-Bromophenyl phenyl ether	89	(60 - 116)			SW846 8270C
	86	(60 - 116)	3.7	(0-30)	SW846 8270C
Butyl benzyl phthalate	81	(59 - 109)			SW846 8270C
	78	(59 - 109)	4.3	(0-30)	SW846 8270C
Carbazole	87	(57 - 114)			SW846 8270C
	82	(57 - 114)	6.2	(0-30)	SW846 8270C
4-Chloroaniline	1.9 a	(35 - 110)			SW846 8270C
	1.2 a,p	(35 - 110)	50	(0-30)	SW846 8270C
2-Chloronaphthalene	96	(62 - 112)			SW846 8270C
	92	(62 - 112)	4.0	(0-30)	SW846 8270C
4-Chlorophenyl phenyl ether	87	(57 - 110)			SW846 8270C
	85	(57 - 110)	1.7	(0-30)	SW846 8270C
Chrysene	77	(65 - 111)			SW846 8270C
	75	(65 - 111)	3.2	(0-30)	SW846 8270C
Dibenz(a,h)anthracene	71	(60 - 118)			SW846 8270C
	68	(60 - 118)	3.2	(0-30)	SW846 8270C
Dibenzofuran	87	(65 - 108)			SW846 8270C
	84	(65 - 108)	3.4	(0-30)	SW846 8270C
Di-n-butyl phthalate	86	(60 - 110)			SW846 8270C
	82	(60 - 110)	4.8	(0-30)	SW846 8270C
3,3'-Dichlorobenzidine	0.83 a	(22 - 121)			SW846 8270C
	0.0 a,p	(22 - 121)	200	(0-30)	SW846 8270C
2,4-Dichlorophenol	87	(64 - 106)			SW846 8270C
	85	(64 - 106)	2.5	(0-30)	SW846 8270C
Diethyl phthalate	89	(61 - 108)			SW846 8270C
	81	(61 - 108)	9.6	(0-30)	SW846 8270C
2,4-Dimethylphenol	36	(17 - 97)			SW846 8270C
	20 p	(17 - 97)	59	(0-30)	SW846 8270C
Dimethyl phthalate	86	(65 - 105)			SW846 8270C
	84	(65 - 105)	2.0	(0-30)	SW846 8270C
4,6-Dinitro-2-methylphenol	96	(65 - 114)			SW846 8270C
	96	(65 - 114)	0.05	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-Dinitrophenol	101	(46 - 115)			SW846 8270C
	97	(46 - 115)	4.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	88	(55 - 113)			SW846 8270C
	86	(55 - 113)	3.0	(0-30)	SW846 8270C
2,6-Dinitrotoluene	84	(61 - 106)			SW846 8270C
	82	(61 - 106)	2.6	(0-30)	SW846 8270C
Di-n-octyl phthalate	80	(59 - 113)			SW846 8270C
	78	(59 - 113)	2.9	(0-30)	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	91	(65 - 115)			SW846 8270C
	88	(65 - 115)	4.0	(0-30)	SW846 8270C
Fluoranthene	87	(65 - 112)			SW846 8270C
	84	(65 - 112)	3.8	(0-30)	SW846 8270C
Fluorene	86	(66 - 106)			SW846 8270C
	84	(66 - 106)	2.2	(0-30)	SW846 8270C
Hexachlorobenzene	89	(65 - 108)			SW846 8270C
	86	(65 - 108)	3.3	(0-30)	SW846 8270C
Hexachlorocyclopentadiene	39	(1.0- 91)			SW846 8270C
	43	(1.0- 91)	9.0	(0-30)	SW846 8270C
Hexachloroethane	81	(56 - 112)			SW846 8270C
	81	(56 - 112)	0.14	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	84	(60 - 118)			SW846 8270C
	81	(60 - 118)	3.2	(0-30)	SW846 8270C
Isophorone	84	(64 - 112)			SW846 8270C
	82	(64 - 112)	2.2	(0-30)	SW846 8270C
2-Methylnaphthalene	86	(62 - 107)			SW846 8270C
	84	(62 - 107)	2.3	(0-30)	SW846 8270C
2-Methylphenol	78	(57 - 106)			SW846 8270C
	72	(57 - 106)	8.6	(0-30)	SW846 8270C
2-Nitroaniline	53 a	(58 - 113)			SW846 8270C
	38 a,p	(58 - 113)	33	(0-30)	SW846 8270C
3-Nitroaniline	2.0 a	(43 - 124)			SW846 8270C
	0.50 a,p	(43 - 124)	119	(0-30)	SW846 8270C
4-Nitroaniline	9.2 a	(48 - 130)			SW846 8270C
	3.9 a,p	(48 - 130)	80	(0-30)	SW846 8270C
Nitrobenzene	151 a	(61 - 108)			SW846 8270C
	151 a	(61 - 108)	0.17	(0-30)	SW846 8270C
2-Nitrophenol	89	(63 - 107)			SW846 8270C
	89	(63 - 107)	0.41	(0-30)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4-Nitrophenol	107	(46 - 122)			SW846 8270C
	102	(46 - 122)	5.2	(0-30)	SW846 8270C
N-Nitrosodi-n-propyl-amine	87	(53 - 113)			SW846 8270C
	88	(53 - 113)	0.73	(0-30)	SW846 8270C
N-Nitrosodimethylamine	89	(36 - 114)			SW846 8270C
	90	(36 - 114)	1.4	(0-30)	SW846 8270C
N-Nitrosodiphenylamine	67	(46 - 92)			SW846 8270C
	59	(46 - 92)	12	(0-30)	SW846 8270C
Phenanthrene	90	(60 - 112)			SW846 8270C
	88	(60 - 112)	2.4	(0-30)	SW846 8270C
Phenol	137 a	(54 - 124)			SW846 8270C
	138 a	(54 - 124)	0.94	(0-30)	SW846 8270C
Pyrene	82	(64 - 108)			SW846 8270C
	79	(64 - 108)	3.7	(0-30)	SW846 8270C
Pyridine	23	(18 - 126)			SW846 8270C
	9.8 a,p	(18 - 126)	81	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	91	(56 - 109)			SW846 8270C
	89	(56 - 109)	3.0	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	96	(62 - 106)			SW846 8270C
	93	(62 - 106)	2.8	(0-30)	SW846 8270C
Acetophenone	86	(62 - 115)			SW846 8270C
	84	(62 - 115)	1.6	(0-30)	SW846 8270C
Biphenyl	105	(43 - 162)			SW846 8270C
	100	(43 - 162)	4.3	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(52 - 114)
	88	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
	88	(58 - 116)
Terphenyl-d14	97	(64 - 126)
	92	(64 - 126)
2-Fluorophenol	82	(44 - 114)
	79	(44 - 114)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Phenol-d5	90	(45 - 116)
	88	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)
	98	(51 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD
Date Sampled...: 06/04/07 14:00 Date Received..: 06/05/07
Prep Date.....: 06/06/07 Analysis Date..: 06/12/07
Prep Batch #...: 7157509 Analysis Time..: 14:20
Dilution Factor: 0.95

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	95.2	81.0	ug/L	85		SW846 8270C
	ND	95.2	78.5	ug/L	82	3.2	SW846 8270C
Acenaphthylene	ND	95.2	78.4	ug/L	82		SW846 8270C
	ND	95.2	75.9	ug/L	80	3.2	SW846 8270C
Aniline	ND	95.2	0.0	ug/L	0.0 a		SW846 8270C
	ND	95.2	0.0	ug/L	0.0 a	0.0	SW846 8270C
Anthracene	ND	95.2	77.8	ug/L	82		SW846 8270C
	ND	95.2	72.9	ug/L	77	6.5	SW846 8270C
Benzo(a)anthracene	ND	95.2	79.8	ug/L	84		SW846 8270C
	ND	95.2	77.2	ug/L	81	3.2	SW846 8270C
Benzo(b)fluoranthene	ND	95.2	76.2	ug/L	80		SW846 8270C
	ND	95.2	73.3	ug/L	77	3.8	SW846 8270C
Benzo(k)fluoranthene	ND	95.2	74.3	ug/L	78		SW846 8270C
	ND	95.2	73.7	ug/L	77	0.76	SW846 8270C
Benzoic acid	ND	95.2	142	ug/L	134 a		SW846 8270C
	ND	95.2	153	ug/L	145 a	7.3	SW846 8270C
Benzo(ghi)perylene	ND	95.2	84.8	ug/L	89		SW846 8270C
	ND	95.2	81.9	ug/L	86	3.6	SW846 8270C
Benzo(a)pyrene	ND	95.2	74.4	ug/L	78		SW846 8270C
	ND	95.2	71.4	ug/L	75	4.1	SW846 8270C
Benzyl alcohol	ND	95.2	82.8	ug/L	87		SW846 8270C
	ND	95.2	83.6	ug/L	88	0.88	SW846 8270C
2-Chlorophenol	ND	95.2	79.4	ug/L	83		SW846 8270C
	ND	95.2	78.5	ug/L	82	1.1	SW846 8270C
4-Chloro-3-methylphenol	ND	95.2	82.7	ug/L	87		SW846 8270C
	ND	95.2	78.8	ug/L	83	4.7	SW846 8270C
bis(2-Chloroethoxy) methane	ND	95.2	81.8	ug/L	86		SW846 8270C
	ND	95.2	80.9	ug/L	85	1.1	SW846 8270C
bis(2-Chloroethyl)-ether	ND	95.2	76.0	ug/L	80		SW846 8270C
	ND	95.2	75.3	ug/L	79	1.0	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	95.2	78.3	ug/L	82		SW846 8270C
	ND	95.2	78.8	ug/L	83	0.73	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
bis(2-Ethylhexyl) phthalate	0.63	95.2	79.5	ug/L	83		SW846 8270C
	0.63	95.2	77.1	ug/L	80	3.0	SW846 8270C
4-Bromophenyl phenyl ether	ND	95.2	84.6	ug/L	89		SW846 8270C
	ND	95.2	81.5	ug/L	86	3.7	SW846 8270C
Butyl benzyl phthalate	ND	95.2	77.3	ug/L	81		SW846 8270C
	ND	95.2	74.0	ug/L	78	4.3	SW846 8270C
Carbazole	ND	95.2	82.6	ug/L	87		SW846 8270C
	ND	95.2	77.7	ug/L	82	6.2	SW846 8270C
4-Chloroaniline	ND	95.2		ug/L	1.9 a		SW846 8270C
	ND	95.2		ug/L	1.2	50	SW846 8270C
	Qualifiers: a,p						
2-Chloronaphthalene	ND	95.2	91.1	ug/L	96		SW846 8270C
	ND	95.2	87.6	ug/L	92	4.0	SW846 8270C
4-Chlorophenyl phenyl ether	ND	95.2	82.4	ug/L	87		SW846 8270C
	ND	95.2	81.0	ug/L	85	1.7	SW846 8270C
Chrysene	ND	95.2	73.8	ug/L	77		SW846 8270C
	ND	95.2	71.5	ug/L	75	3.2	SW846 8270C
Dibenz(a,h)anthracene	ND	95.2	67.3	ug/L	71		SW846 8270C
	ND	95.2	65.2	ug/L	68	3.2	SW846 8270C
Dibenzofuran	ND	95.2	82.7	ug/L	87		SW846 8270C
	ND	95.2	80.0	ug/L	84	3.4	SW846 8270C
Di-n-butyl phthalate	ND	95.2	81.8	ug/L	86		SW846 8270C
	ND	95.2	77.9	ug/L	82	4.8	SW846 8270C
3,3'-Dichlorobenzidine	ND	95.2		ug/L	0.83 a		SW846 8270C
	ND	95.2	0.0	ug/L	0.0	200	SW846 8270C
	Qualifiers: a,p						
2,4-Dichlorophenol	ND	95.2	82.5	ug/L	87		SW846 8270C
	ND	95.2	80.5	ug/L	85	2.5	SW846 8270C
Diethyl phthalate	ND	95.2	85.1	ug/L	89		SW846 8270C
	ND	95.2	77.3	ug/L	81	9.6	SW846 8270C
2,4-Dimethylphenol	ND	95.2	34.7	ug/L	36		SW846 8270C
	ND	95.2	18.9	ug/L	20 p	59	SW846 8270C
Dimethyl phthalate	ND	95.2	81.6	ug/L	86		SW846 8270C
	ND	95.2	80.0	ug/L	84	2.0	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,6-Dinitro-2-methylphenol	ND	95.2	91.7	ug/L	96		SW846 8270C
	ND	95.2	91.7	ug/L	96	0.05	SW846 8270C
2,4-Dinitrophenol	ND	95.2	96.3	ug/L	101		SW846 8270C
	ND	95.2	92.4	ug/L	97	4.1	SW846 8270C
2,4-Dinitrotoluene	ND	95.2	84.0	ug/L	88		SW846 8270C
	ND	95.2	81.6	ug/L	86	3.0	SW846 8270C
2,6-Dinitrotoluene	ND	95.2	80.5	ug/L	84		SW846 8270C
	ND	95.2	78.4	ug/L	82	2.6	SW846 8270C
Di-n-octyl phthalate	ND	95.2	76.2	ug/L	80		SW846 8270C
	ND	95.2	74.0	ug/L	78	2.9	SW846 8270C
1,2-Diphenylhydrazine (as Azobenzene)	ND	95.2	86.9	ug/L	91		SW846 8270C
	ND	95.2	83.5	ug/L	88	4.0	SW846 8270C
Fluoranthene	ND	95.2	82.8	ug/L	87		SW846 8270C
	ND	95.2	79.7	ug/L	84	3.8	SW846 8270C
Fluorene	ND	95.2	81.6	ug/L	86		SW846 8270C
	ND	95.2	79.8	ug/L	84	2.2	SW846 8270C
Hexachlorobenzene	ND	95.2	84.5	ug/L	89		SW846 8270C
	ND	95.2	81.7	ug/L	86	3.3	SW846 8270C
Hexachlorocyclopentadiene	ND	95.2	37.1	ug/L	39		SW846 8270C
	ND	95.2	40.6	ug/L	43	9.0	SW846 8270C
Hexachloroethane	ND	95.2	76.9	ug/L	81		SW846 8270C
	ND	95.2	77.0	ug/L	81	0.14	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	95.2	79.8	ug/L	84		SW846 8270C
	ND	95.2	77.4	ug/L	81	3.2	SW846 8270C
Isophorone	ND	95.2	80.1	ug/L	84		SW846 8270C
	ND	95.2	78.4	ug/L	82	2.2	SW846 8270C
2-Methylnaphthalene	ND	95.2	81.7	ug/L	86		SW846 8270C
	ND	95.2	79.8	ug/L	84	2.3	SW846 8270C
2-Methylphenol	ND	95.2	74.4	ug/L	78		SW846 8270C
	ND	95.2	68.3	ug/L	72	8.6	SW846 8270C
2-Nitroaniline	ND	95.2	50.1	ug/L	53 a		SW846 8270C
	ND	95.2	36.0	ug/L	38 a,p	33	SW846 8270C
3-Nitroaniline	ND	95.2		ug/L	2.0 a		SW846 8270C
	ND	95.2		ug/L	0.50	119	SW846 8270C
	Qualifiers: a,p						
4-Nitroaniline	ND	95.2	8.80	ug/L	9.2 a		SW846 8270C
	ND	95.2	3.76	ug/L	3.9	80	SW846 8270C
	Qualifiers: a,p						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Nitrobenzene	ND	95.2	144	ug/L	151 a		SW846 8270C
	ND	95.2	144	ug/L	151 a	0.17	SW846 8270C
2-Nitrophenol	ND	95.2	85.2	ug/L	89		SW846 8270C
	ND	95.2	84.8	ug/L	89	0.41	SW846 8270C
4-Nitrophenol	ND	95.2	102	ug/L	107		SW846 8270C
	ND	95.2	96.8	ug/L	102	5.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	95.2	82.9	ug/L	87		SW846 8270C
	ND	95.2	83.5	ug/L	88	0.73	SW846 8270C
N-Nitrosodimethylamine	ND	95.2	84.4	ug/L	89		SW846 8270C
	ND	95.2	85.6	ug/L	90	1.4	SW846 8270C
N-Nitrosodiphenylamine	ND	95.2	63.4	ug/L	67		SW846 8270C
	ND	95.2	56.2	ug/L	59	12	SW846 8270C
Phenanthrene	ND	95.2	85.9	ug/L	90		SW846 8270C
	ND	95.2	83.9	ug/L	88	2.4	SW846 8270C
Phenol	ND	95.2	130	ug/L	137 a		SW846 8270C
	ND	95.2	131	ug/L	138 a	0.94	SW846 8270C
Pyrene	ND	95.2	77.9	ug/L	82		SW846 8270C
	ND	95.2	75.1	ug/L	79	3.7	SW846 8270C
Pyridine	ND	95.2	22.1	ug/L	23		SW846 8270C
	ND	95.2	9.37	ug/L	9.8	81	SW846 8270C
	Qualifiers:	a,p					
2,4,5-Trichloro-phenol	ND	95.2	86.9	ug/L	91		SW846 8270C
	ND	95.2	84.3	ug/L	89	3.0	SW846 8270C
2,4,6-Trichloro-phenol	ND	95.2	91.1	ug/L	96		SW846 8270C
	ND	95.2	88.6	ug/L	93	2.8	SW846 8270C
Acetophenone	ND	95.2	81.9	ug/L	86		SW846 8270C
	ND	95.2	80.6	ug/L	84	1.6	SW846 8270C
Biphenyl	ND	95.2	99.9	ug/L	105		SW846 8270C
	ND	95.2	95.7	ug/L	100	4.3	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	91	(52 - 114)
	88	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
	88	(58 - 116)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0A4E1A3-MS Matrix.....: WATER
MS Lot-Sample #: I7F050254-001 J0A4E1A4-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	97	(64 - 126)
	92	(64 - 126)
2-Fluorophenol	82	(44 - 114)
	79	(44 - 114)
Phenol-d5	90	(45 - 116)
	88	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)
	98	(51 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FTH1GK-MS Matrix.....: WATER
MS Lot-Sample #: D7F060414-002 J0FTH1GL-MSD
Date Sampled...: 06/04/07 11:00 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 18:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
4,4'-DDT	81	(37 - 127)			SW846 8081A
	79	(37 - 127)	2.5	(0-39)	SW846 8081A
Aldrin	91	(49 - 112)			SW846 8081A
	93	(49 - 112)	1.8	(0-41)	SW846 8081A
Dieldrin	101	(56 - 121)			SW846 8081A
	101	(56 - 121)	0.74	(0-32)	SW846 8081A
Endrin	100	(55 - 121)			SW846 8081A
	97	(55 - 121)	3.0	(0-39)	SW846 8081A
gamma-BHC (Lindane)	101	(51 - 123)			SW846 8081A
	101	(51 - 123)	0.51	(0-33)	SW846 8081A
Heptachlor	92	(37 - 130)			SW846 8081A
	93	(37 - 130)	0.13	(0-32)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(20 - 144)
	93	(20 - 144)
Tetrachloro-m-xylene	91	(25 - 132)
	93	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: I7F060169 Work Order #...: J0FTH1GK-MS Matrix.....: WATER
MS Lot-Sample #: D7F060414-002 J0FTH1GL-MSD
Date Sampled...: 06/04/07 11:00 Date Received..: 06/06/07
Prep Date.....: 06/07/07 Analysis Date..: 06/15/07
Prep Batch #...: 7158540 Analysis Time..: 18:01
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
4,4'-DDT	ND	0.484	0.392	ug/L	81		SW846 8081A
	ND	0.481	0.382	ug/L	79	2.5	SW846 8081A
Aldrin	ND	0.484	0.441	ug/L	91		SW846 8081A
	ND	0.481	0.450	ug/L	93	1.8	SW846 8081A
Dieldrin	ND	0.484	0.488	ug/L	101		SW846 8081A
	ND	0.481	0.484	ug/L	101	0.74	SW846 8081A
Endrin	ND	0.484	0.483	ug/L	100		SW846 8081A
	ND	0.481	0.468	ug/L	97	3.0	SW846 8081A
gamma-BHC (Lindane)	ND	0.484	0.490	ug/L	101		SW846 8081A
	ND	0.481	0.488	ug/L	101	0.51	SW846 8081A
Heptachlor	ND	0.484	0.447	ug/L	92		SW846 8081A
	ND	0.481	0.446	ug/L	93	0.13	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	90	(20 - 144)
	93	(20 - 144)
Tetrachloro-m-xylene	91	(25 - 132)
	93	(25 - 132)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060143-001 Prep Batch #...: 7162268							
Aluminum	86	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1A5
	90	(80 - 120)	3.9	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1A6
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Antimony	99	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CU
	100	(80 - 120)	0.99	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1CV
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Arsenic	94	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1AM
	96	(80 - 120)	2.4	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1AN
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Barium	96	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1AP
	98	(80 - 120)	2.1	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1AQ
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Beryllium	89	(80 - 120)			SW846 6020	06/11-06/14/07	J0DKA1A8
	89	(80 - 120)	0.81	(0-20)	SW846 6020	06/11-06/14/07	J0DKA1A9
		Dilution Factor: 1					
		Analysis Time..: 15:03					
Cadmium	96	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1AR
	98	(80 - 120)	1.9	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1AT
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Cobalt	94	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CC
	94	(80 - 120)	0.45	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1CD
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Copper	93	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CF
	96	(80 - 120)	2.9	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1CG
		Dilution Factor: 1					
		Analysis Time..: 17:36					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	93	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CJ
	96	(80 - 120)	3.3	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1CK
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Lead	93	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1A0
	96	(80 - 120)	3.4	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1A1
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Lithium	87	(80 - 120)			SW846 6020	06/11-06/14/07	J0DKA1CM
	90	(80 - 120)	2.1	(0-20)	SW846 6020	06/11-06/14/07	J0DKA1CN
		Dilution Factor: 1					
		Analysis Time..: 15:03					
Manganese	95	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1AW
	95	(80 - 120)	0.55	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1AX
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Nickel	92	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CQ
	94	(80 - 120)	1.4	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1CR
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Selenium	94	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1A2
	96	(80 - 120)	2.1	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1A3
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Silver	93	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1AK
	96	(80 - 120)	2.7	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1AL
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Thallium	88	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1C2
	91	(80 - 120)	3.5	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1C3
		Dilution Factor: 1					
		Analysis Time..: 17:36					
Titanium	93	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1CX
	97	(80 - 120)	1.9	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1C0
		Dilution Factor: 1					
		Analysis Time..: 17:36					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	95	(80 - 120)			SW846 6020	06/11-06/13/07	J0DKA1C5
	97	(80 - 120)	2.7	(0-20)	SW846 6020	06/11-06/13/07	J0DKA1C6

Dilution Factor: 1
Analysis Time .: 17:36

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060143-001 **Prep Batch #...:** 7162268									
Aluminum									
	52.4	5000	4360	ug/L	86		SW846 6020	06/11-06/13/07	J0DKA1A5
	52.4	5000	4540	ug/L	90	3.9	SW846 6020	06/11-06/13/07	J0DKA1A6
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Antimony									
	0.11	50.0	49.6	ug/L	99		SW846 6020	06/11-06/13/07	J0DKA1CU
	0.11	50.0	50.1	ug/L	100	0.99	SW846 6020	06/11-06/13/07	J0DKA1CV
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Arsenic									
	0.28	50.0	47.1	ug/L	94		SW846 6020	06/11-06/13/07	J0DKA1AM
	0.28	50.0	48.2	ug/L	96	2.4	SW846 6020	06/11-06/13/07	J0DKA1AN
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Barium									
	2.4	50.0	50.6	ug/L	96		SW846 6020	06/11-06/13/07	J0DKA1AP
	2.4	50.0	51.6	ug/L	98	2.1	SW846 6020	06/11-06/13/07	J0DKA1AQ
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Beryllium									
	0.039	50.0	44.4	ug/L	89		SW846 6020	06/11-06/14/07	J0DKA1A8
	0.039	50.0	44.7	ug/L	89	0.81	SW846 6020	06/11-06/14/07	J0DKA1A9
			Dilution Factor: 1						
			Analysis Time..: 15:03						
Cadmium									
	ND	50.0	48.0	ug/L	96		SW846 6020	06/11-06/13/07	J0DKA1AR
	ND	50.0	48.9	ug/L	98	1.9	SW846 6020	06/11-06/13/07	J0DKA1AT
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Cobalt									
	0.11	50.0	47.1	ug/L	94		SW846 6020	06/11-06/13/07	J0DKA1CC
	0.11	50.0	47.3	ug/L	94	0.45	SW846 6020	06/11-06/13/07	J0DKA1CD
			Dilution Factor: 1						
			Analysis Time..: 17:36						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper									
	0.44	50.0	47.0	ug/L	93		SW846 6020	06/11-06/13/07	J0DKA1CF
	0.44	50.0	48.4	ug/L	96	2.9	SW846 6020	06/11-06/13/07	J0DKA1CG
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Iron									
	73.1	5000	4710	ug/L	93		SW846 6020	06/11-06/13/07	J0DKA1CJ
	73.1	5000	4870	ug/L	96	3.3	SW846 6020	06/11-06/13/07	J0DKA1CK
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Lead									
	ND	50.0	46.4	ug/L	93		SW846 6020	06/11-06/13/07	J0DKA1A0
	ND	50.0	48.0	ug/L	96	3.4	SW846 6020	06/11-06/13/07	J0DKA1A1
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Lithium									
	34.6	50.0	77.9	ug/L	87		SW846 6020	06/11-06/14/07	J0DKA1CM
	34.6	50.0	79.5	ug/L	90	2.1	SW846 6020	06/11-06/14/07	J0DKA1CN
			Dilution Factor: 1						
			Analysis Time..: 15:03						
Manganese									
	7.5	50.0	54.8	ug/L	95		SW846 6020	06/11-06/13/07	J0DKA1AW
	7.5	50.0	55.1	ug/L	95	0.55	SW846 6020	06/11-06/13/07	J0DKA1AX
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Nickel									
	0.47	50.0	46.7	ug/L	92		SW846 6020	06/11-06/13/07	J0DKA1CQ
	0.47	50.0	47.3	ug/L	94	1.4	SW846 6020	06/11-06/13/07	J0DKA1CR
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Selenium									
	0.41	50.0	47.3	ug/L	94		SW846 6020	06/11-06/13/07	J0DKA1A2
	0.41	50.0	48.3	ug/L	96	2.1	SW846 6020	06/11-06/13/07	J0DKA1A3
			Dilution Factor: 1						
			Analysis Time..: 17:36						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 05/31/07 13:35 Date Received..: 06/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver									
	ND	10.0	9.31	ug/L	93		SW846 6020	06/11-06/13/07	J0DKA1AK
	ND	10.0	9.56	ug/L	96	2.7	SW846 6020	06/11-06/13/07	J0DKA1AL
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Thallium									
	ND	50.0	44.1	ug/L	88		SW846 6020	06/11-06/13/07	J0DKA1C2
	ND	50.0	45.7	ug/L	91	3.5	SW846 6020	06/11-06/13/07	J0DKA1C3
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Titanium									
	48.4	50.0	94.9	ug/L	93		SW846 6020	06/11-06/13/07	J0DKA1CX
	48.4	50.0	96.8	ug/L	97	1.9	SW846 6020	06/11-06/13/07	J0DKA1C0
			Dilution Factor: 1						
			Analysis Time..: 17:36						
Zinc									
	ND	50.0	47.4	ug/L	95		SW846 6020	06/11-06/13/07	J0DKA1C5
	ND	50.0	48.7	ug/L	97	2.7	SW846 6020	06/11-06/13/07	J0DKA1C6
			Dilution Factor: 1						
			Analysis Time..: 17:36						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 06/08/07 08:00 Date Received..: 06/08/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F080117-001 **Prep Batch #...:** 7164268							
Boron	87	(75 - 125)			SW846 6010B	06/13-06/14/07	J0KF41AK
	91	(75 - 125)	4.2	(0-20)	SW846 6010B	06/13-06/14/07	J0KF41AL

Dilution Factor: 1
Analysis Time..: 12:20

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 06/08/07 08:00 Date Received..: 06/08/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F080117-001 **Prep Batch #...:** 7164268									
Boron									
	0.061	0.500	0.494	mg/L	87		SW846 6010B	06/13-06/14/07	J0KF41AK
	0.061	0.500	0.515	mg/L	91	4.2	SW846 6010B	06/13-06/14/07	J0KF41AL

Dilution Factor: 1
Analysis Time..: 12:20

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 06/04/07 06:00 Date Received..: 06/06/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060111-004 **Prep Batch #...:** 7165432							
Mercury	99	(75 - 125)			SW846 7470A	06/14-06/15/07	J0C5E1AL
	98	(75 - 125)	0.55	(0-20)	SW846 7470A	06/14-06/15/07	J0C5E1AM
		Dilution Factor: 1					
		Analysis Time..: 11:30					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: I7F060169 Matrix.....: WATER
Date Sampled...: 06/04/07 06:00 Date Received..: 06/06/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I7F060111-004 **Prep Batch #...:** 7165432									
Mercury									
	ND	0.00200	0.00197	mg/L	99		SW846 7470A	06/14-06/15/07	J0C5E1AL
	ND	0.00200	0.00196	mg/L	98	0.55	SW846 7470A	06/14-06/15/07	J0C5E1AM

Dilution Factor: 1
Analysis Time..: 11:30

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

Report Attachment

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of the NELAC standards. All data have been found to be compliant with laboratory protocol except as otherwise noted.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

TRRP Reporting Requirements

If this package contains reports requiring TRRP (Texas Risk Reduction Program) reporting criteria, the following information applies.

The REPORTING LIMIT is equivalent to the TRRP acronym MQL (method quantitation limit).
The MDL is equivalent to the TRRP acronym SDL (sample detection limit).

STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I7F060169

RECEIVED BY: Steve Hay

COC NUMBER:

DATE/TIME RECEIVED: 6 6 07 8:00

QUOTE/PROFILE: 74395

UNPACKED DATE/TIME: 6 6 07 10:30

CLIENT/PROJECT: EA

SAMPLES LOGGED IN: By

LOG-IN REVIEWED: CC

Number of Shipping Containers Received with Chain of Custody 1 (2)

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: SWS

Container Sealed: ☑ YES ☐ NO

Custody Seal Signed/Dated: ☑ YES ☐ NO

Custody Seal Present: ☑ YES ☐ NO

If seal not intact list air bill number of that container(s):

2.0 VOC CANISTERS EXAMINED UPON RECEIPT:

Canister Valves Closed: ☐ YES ☐ NO

Canister Valves Capped: ☐ YES ☐ NO

Valve Cap Tightened Properly: ☐ YES ☐ NO

Packing Material Used: (circle)

None / Absorbent / Paper / Bubble Wrap

Samples Received Match Chain: ☐ YES ☐ NO

Other Equipment Received: ☐ YES ☐ NO

See Additional Comments (Section 5.0 and / or 7.0) ☐ YES ☐ NO

Chain-of-Custody form properly maintained: ☐ YES ☐ NO

Can Size: ☐ 6L ☐ 15L Other

3.0 SAMPLE TEMPERATURE UPON RECEIPT BY: SWS **IR THERMOMETER #:** 1/5

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container *[acceptable tolerance 4°C ± 2°]*

TB	TB	TB	TB	TB	TB	TB	TB	TB	TB
SC 3.8°C	SC	SC	SC	SC	SC	SC	SC	SC	SC

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☐ YES ☐ NO

PRESERVATION OF SAMPLES REQUIRED: ☑ NA ☐ YES ☐ VOA Samples **VERIFIED BY:** SWS

NOTE: pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO

Acid preserved are<pH 2: ☐ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES

Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Samples checked for chlorine per specification (N.C.) ☐ YES

Free chlorine present: ☐ YES ☐ NO

If sample preservation is outside acceptable tolerance, Project Manager was notified (_____PM)

Date: _____ Time: _____ ☐ see pH adjustment form

VOLATILE SAMPLES FILLED COMPLETELY, IF NOT, LIST ID AND HEADSPACE OF VOA's CONTAINING BUBBLES EXCEEDING 6MM IN DIAMETER:

Sample ID	mm Headspace	Sample ID	mm Headspace

STL

CHAIN–OF–CUSTODY ADDENDUM

Lot No: I7F060169

4.0 CONDITION OF BOTTLES/CONTAINERS

VERIFIED BY: [illegible]

Samples received match COC: ☑ YES ☐ NO

Bottles received intact: ☑ YES ☐ NO

See additional discrepancies/comments section: ☐ YES ☑ NO

Samples received from USDA restricted area: ☐ YES ☑ NO

Chain-of-Custody form properly maintained: ☑ YES ☐ NO

VOA trip blanks included: ☐ YES ☐ NO ☑ N/A

5.0 ADDITIONAL DISCREPANCIES

Appears on COC		Appears on Label		
Sample ID	Date/Time	Sample ID	Date/Time	Comments

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

REVIEW:

Project Management: [illegible] Date: 6/7/07

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

I7F060169

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

72530

STL4149 (1202)

(page 1 in separate color)

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-05-2007	Page 2 of 2
Address: 405 S. Hwy 121 C-100	Telephone Number (Area Code)/Fax Number: (972) 315-3422 / (972) 315-5181	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 1434206 / Gulfco Marine	Carrier/Waybill Number: Fed Ex 8604 6885 2839		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No	Preservative	Condition on Receipt/Comments	SVOC 8270C	Pesticide 8081A
MW38A	6-05-07	0930	SW	1 Liter	Glass	4	None	3.8°C SPA 6.6.07	✓	✓
MW39	6-05-07	1015	SW	1 Liter	Glass	4	None		✓	✓

Special Instructions

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn-Around Time Required: ☑ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-05-07	1800	1. Received By: Fed Ex 8604 6885 2839	6-05-07	1800
2. Relinquished By:			2. Received By: Steve Henry	6.6.07	8:00
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION WHITE - Stays with the Sample CANARY - Returned to Client with Report. PINK - Field Copy

98

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

7220

STL4149 (1202)

(page 2 in separate work)

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-05-2007	Page 1 of 2
Address: 405 South Hwy 121 : C-100	Telephone Number (Area Code)/Fax Number: (972) 315-3922 / (972) 315-5181	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 134206 / Gulfco Marine	Carrier/Waybill Number: FedEx 8612 7203 5301		
Contact/Purchase Order/Quote Number:			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	VOC 8260B	Metals 6010B/7470
MW 25A	6-05-07	0930	GW	40ml / 250ml	G / P	3/2	HCl / HNO3		✓	✓
MW 29	6-05-07	1015	GW	40ml / 250ml	G / P	3/2	HCl / HNO3		✓	✓
Trip Blank	—	—	W	40ml	G	2	HCl		✓	

Special Instructions: NOTE: Metals samples filtered w/ 10µ filter due to Turbidity > 10 NTU

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-5-04	1800	1. Received By: FedEx 8612 7203 5301	6-5-07	1800
2. Relinquished By:			2. Received By: [signature]	6-6-07	8:00
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample. CANARY - Returned to Client with Report. PINK - Field Copy

I7F060169

Chain of Custody Record

SEVERN TRENT **STL**®

Severn Trent Laboratories, Inc.

73330

STL4149 (1202)

(page 1 in separate color)

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-05-2007	Page 2 of 2
Address: 405 S. Hwy 121 C-100	Telephone Number (Area Code)/Fax Number: (972) 315-3922 / (972) 315-5181	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 1434206 / Gulfco Marine	Carrier/Waybill Number: Fed Ex 8604 6885 2839		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	SVOC 8270C	Pesticide 8081A
MW28A	6-05-07	0930	GW	1 Liter	Glass	4	None	3.8°C ~~SPA~~ 6.6.07	✓	✓
MW29	6-05-07	1015	GW	1 Liter	Glass	4	None		✓	✓

Special Instructions

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

1. Relinquished By: Mark Kelly	Date: 6-05-07	Time: 1800	1. Received By: Fed Ex 8604 6885 2839	Date: 6-05-07	Time: 1800
2. Relinquished By	Date	Time	2. Received By: [signature]	Date: 6.6.07	Time: 8:00
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample CANARY - Returned to Client with Report PINK - Field Copy

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

73329

STL4149 (1202)

(page 2 in separate (water))

Client: EA Engineering	Project Manager: Luis Vega	Date: 6-05-2007	Page 1 of 2
Address: 405 South Hwy 121 : C-100	Telephone Number (Area Code)/Fax Number: (972)315-3922 / (972)315-5181	Lab Location: Austin	Analysis
City: Lewisville; State: TX; Zip Code: 75067	Site Contact: Mark Kelly		
Project Number/Name: 1434206 / Sulfco Marine	Carrier/Waybill Number: FedEx 8612 7203 5301		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	VOC 8260B	Metals 6010/7470A
MW 28A	6-05-07	0930	GW	40ml/250ml	G/P	3/2	HCl/HNO3		✓	✓
MW 29	6-05-07	1015	GW	40ml/250ml	G/P	3/2	HCl/HNO3		✓	✓
Trip Blank	—	—	W	40ml	G	2	HCl		✓	

Special Instructions: NOTE: Metals samples filtered w/ 10µ filter due to Turbidity > 10 NTU

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Mark Kelly	6-5-04	1800	1. Received By: FedEx 8612 7203 5301	6-05-07	1800
2. Relinquished By:			2. Received By: [signature]	6-6-01	8:00
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample CANARY - Returned to Client with Report PINK - Field Copy

Supporting Documentation

Lot Number I7F060169

(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of each section.)

	Check below when supporting documentation is present.
GC/MS Volatile	✓
GC/MS Semivolatile	✓
GC Volatile	
GC Semivolatile	
Metals	✓
General Chemistry	

GC/MS VOLATILES

CLP-Like Forms I - IV

Forms V, VI, VII and VIII can be found in the QC & Sample Data by Batch

Form VI can also be found in the Calibration Section

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTG1A2 Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	**Acetone**	**6.9**	
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	**Carbon disulfide**	**0.64**	**J**
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTG1A2 Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTG1A2 Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	121	(67 - 130)
Toluene-d8	107	(83 - 115)
4-Bromofluorobenzene	116	(79 - 119)
Dibromofluoromethane	103	(88 - 119)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002 PARENT
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL
Work Order: J0DTN1AD
Dilution factor: 20000
Moisture %: NA

Date Received: 06/06/07
Date Extracted: 06/14/07
Date Analyzed: 06/14/07

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	**Acetone**	**60000**	**J**
107-02-8	Acrolein	200000	U
107-13-1	Acrylonitrile	200000	U
71-43-2	**Benzene**	**8600**	**J**
108-86-1	Bromobenzene	20000	U
75-27-4	Bromodichloromethane	20000	U
75-25-2	Bromoform	40000	U
74-83-9	Bromomethane	40000	U
104-51-8	n-Butylbenzene	20000	U
135-98-8	sec-Butylbenzene	20000	U
98-06-6	tert-Butylbenzene	20000	U
75-15-0	Carbon disulfide	20000	U
56-23-5	**Carbon tetrachloride**	**25000**	
108-90-7	Chlorobenzene	20000	U
124-48-1	Dibromochloromethane	20000	U
75-00-3	Chloroethane	40000	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	20000	U
74-87-3	Chloromethane	40000	U
95-49-8	2-Chlorotoluene	20000	U
106-43-4	4-Chlorotoluene	20000	U
74-95-3	Dibromomethane	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
110-57-6	trans-1,4-Dichloro-2-butene	100000	U
75-71-8	Dichlorodifluoromethane	40000	U
75-34-3	**1,1-Dichloroethane**	**20000**	

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	**1,2-Dichloroethane**	**370000**	
75-35-4	**1,1-Dichloroethene**	**10000**	**J**
156-59-2	cis-1,2-Dichloroethene	20000	U
156-60-5	trans-1,2-Dichloroethene	20000	U
540-59-0	1,2-Dichloroethene (total)	40000	U
78-87-5	**1,2-Dichloropropane**	**9600**	**J**
142-28-9	1,3-Dichloropropane	20000	U
594-20-7	2,2-Dichloropropane	20000	U
563-58-6	1,1-Dichloropropene	20000	U
10061-01-5	cis-1,3-Dichloropropene	20000	U
10061-02-6	trans-1,3-Dichloropropene	20000	U
100-41-4	Ethylbenzene	20000	U
75-69-4	Trichlorofluoromethane	40000	U
87-68-3	Hexachlorobutadiene	20000	U
591-78-6	2-Hexanone	100000	U
74-88-4	Iodomethane	20000	U
98-82-8	Isopropylbenzene	20000	U
99-87-6	p-Isopropyltoluene	20000	U
79-20-9	Methyl acetate	100000	U
108-87-2	Methylcyclohexane	100000	U
75-09-2	**Methylene chloride**	**1200000**	
103-65-1	n-Propylbenzene	20000	U
100-42-5	Styrene	20000	U
630-20-6	1,1,1,2-Tetrachloroethane	20000	U
79-34-5	1,1,2,2-Tetrachloroethane	20000	U
127-18-4	**Tetrachloroethene**	**9600**	**J**
108-88-3	Toluene	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1AD Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	**1,1,1-Trichloroethane**	**170000**	
79-00-5	1,1,2-Trichloroethane	20000	U
79-01-6	**Trichloroethene**	**75000**	
96-18-4	**1,2,3-Trichloropropane**	**56000**	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	20000	U
95-63-6	1,2,4-Trimethylbenzene	20000	U
108-67-8	1,3,5-Trimethylbenzene	20000	U
108-05-4	Vinyl acetate	40000	U
75-01-4	Vinyl chloride	40000	U
1330-20-7	Xylenes (total)	60000	U
71-36-3	n-Butanol	5000000	U
96-12-8	1,2-Dibromo-3-chloropropane	100000	U
106-93-4	1,2-Dibromoethane (EDB)	20000	U
78-93-3	2-Butanone (MEK)	100000	U
108-10-1	4-Methyl-2-pentanone (MIBK)	100000	U
1634-04-4	Methyl tert-butyl ether (MTB	20000	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	109	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	109	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTR1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	2.4	J
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	--	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTR1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTR1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	99	(67 - 130)
Toluene-d8	110	(83 - 115)
4-Bromofluorobenzene	106	(79 - 119)
Dibromofluoromethane	99	(88 - 119)

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	5.0	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	10	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	2.0	U
74-83-9	Bromomethane	2.0	U
104-51-8	n-Butylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
75-15-0	Carbon disulfide	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
75-00-3	Chloroethane	2.0	U
110-75-8	2-Chloroethyl vinyl ether	10	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	2.0	U
95-49-8	2-Chlorotoluene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
74-95-3	Dibromomethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
75-71-8	Dichlorodifluoromethane	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
540-59-0	1,2-Dichloroethene (total)	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
75-69-4	Trichlorofluoromethane	2.0	U
87-68-3	Hexachlorobutadiene	1.0	U
591-78-6	2-Hexanone	5.0	U
74-88-4	Iodomethane	1.0	U
98-82-8	Isopropylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.0	U
103-65-1	n-Propylbenzene	1.0	U
100-42-5	Styrene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
108-88-3	Toluene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AA Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
108-05-4	Vinyl acetate	2.0	U
75-01-4	Vinyl chloride	2.0	U
1330-20-7	Xylenes (total)	3.0	U
71-36-3	n-Butanol	250	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane (EDB)	1.0	U
78-93-3	2-Butanone (MEK)	5.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U
1634-04-4	Methyl tert-butyl ether (MTB	1.0	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	107	(67 - 130)
Toluene-d8	108	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	23.5	
107-02-8	Acrolein	131	
107-13-1	Acrylonitrile	104	
71-43-2	Benzene	18.5	
108-86-1	Bromobenzene	16.9	
75-27-4	Bromodichloromethane	18.9	
75-25-2	Bromoform	17.3	
74-83-9	Bromomethane	22.9	
104-51-8	n-Butylbenzene	18.0	
135-98-8	sec-Butylbenzene	18.4	
98-06-6	tert-Butylbenzene	19.3	
75-15-0	Carbon disulfide	21.0	
56-23-5	Carbon tetrachloride	19.1	
108-90-7	Chlorobenzene	17.3	
124-48-1	Dibromochloromethane	18.4	
75-00-3	Chloroethane	20.7	
110-75-8	2-Chloroethyl vinyl ether	25.9	a
67-66-3	Chloroform	18.6	
74-87-3	Chloromethane	18.3	
95-49-8	2-Chlorotoluene	18.2	
106-43-4	4-Chlorotoluene	18.1	
74-95-3	Dibromomethane	16.3	
95-50-1	1,2-Dichlorobenzene	17.0	
541-73-1	1,3-Dichlorobenzene	17.3	
106-46-7	1,4-Dichlorobenzene	16.8	
110-57-6	trans-1,4-Dichloro-2-butene	15.2	
75-71-8	Dichlorodifluoromethane	12.2	
75-34-3	1,1-Dichloroethane	20.3	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	19.3	
75-35-4	1,1-Dichloroethene	17.8	
156-59-2	cis-1,2-Dichloroethene	16.8	
156-60-5	trans-1,2-Dichloroethene	16.9	
540-59-0	1,2-Dichloroethene (total)	33.7	
78-87-5	1,2-Dichloropropane	19.7	
142-28-9	1,3-Dichloropropane	18.5	
594-20-7	2,2-Dichloropropane	20.3	
563-58-6	1,1-Dichloropropene	19.3	
10061-01-5	cis-1,3-Dichloropropene	19.9	
10061-02-6	trans-1,3-Dichloropropene	20.3	
100-41-4	Ethylbenzene	18.0	
75-69-4	Trichlorofluoromethane	17.9	
87-68-3	Hexachlorobutadiene	17.6	
591-78-6	2-Hexanone	18.5	
74-88-4	Iodomethane	21.0	
98-82-8	Isopropylbenzene	18.5	
99-87-6	p-Isopropyltoluene	18.9	
79-20-9	Methyl acetate	43.1	
108-87-2	Methylcyclohexane	49.3	
75-09-2	Methylene chloride	18.1	
103-65-1	n-Propylbenzene	17.9	
100-42-5	Styrene	19.4	
630-20-6	1,1,1,2-Tetrachloroethane	18.0	
79-34-5	1,1,2,2-Tetrachloroethane	17.0	
127-18-4	Tetrachloroethene	14.8	
108-88-3	Toluene	18.8	
120-82-1	1,2,4-Trichlorobenzene	17.6	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AC Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	19.3	
79-00-5	1,1,2-Trichloroethane	17.4	
79-01-6	Trichloroethene	17.2	
96-18-4	1,2,3-Trichloropropane	17.4	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	17.4	
95-63-6	1,2,4-Trimethylbenzene	19.3	
108-67-8	1,3,5-Trimethylbenzene	22.6	
108-05-4	Vinyl acetate	24.5	
75-01-4	Vinyl chloride	19.6	
1330-20-7	Xylenes (total)	56.8	
71-36-3	n-Butanol	718	
96-12-8	1,2-Dibromo-3-chloropropane	15.1	
106-93-4	1,2-Dibromoethane (EDB)	17.5	
78-93-3	2-Butanone (MEK)	20.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	19.1	
1634-04-4	Methyl tert-butyl ether (MTB	18.8	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	106	(75 - 115)
Toluene-d8	111	(90 - 114)
4-Bromofluorobenzene	106	(86 - 117)
Dibromofluoromethane	102	(81 - 110)

FORM I

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	25.6	
107-02-8	Acrolein	135	
107-13-1	Acrylonitrile	110	
71-43-2	Benzene	20.1	
108-86-1	Bromobenzene	17.9	
75-27-4	Bromodichloromethane	20.4	
75-25-2	Bromoform	18.7	
74-83-9	Bromomethane	25.1	
104-51-8	n-Butylbenzene	19.2	
135-98-8	sec-Butylbenzene	19.5	
98-06-6	tert-Butylbenzene	20.7	
75-15-0	Carbon disulfide	21.4	
56-23-5	Carbon tetrachloride	20.6	
108-90-7	Chlorobenzene	18.7	
124-48-1	Dibromochloromethane	19.9	
75-00-3	Chloroethane	22.1	
110-75-8	2-Chloroethyl vinyl ether	28.2	a
67-66-3	Chloroform	20.1	
74-87-3	Chloromethane	19.6	
95-49-8	2-Chlorotoluene	19.5	
106-43-4	4-Chlorotoluene	19.2	
74-95-3	Dibromomethane	17.2	
95-50-1	1,2-Dichlorobenzene	18.3	
541-73-1	1,3-Dichlorobenzene	18.2	
106-46-7	1,4-Dichlorobenzene	17.8	
110-57-6	trans-1,4-Dichloro-2-butene	16.9	
75-71-8	Dichlorodifluoromethane	12.5	
75-34-3	1,1-Dichloroethane	21.9	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted:06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	20.2	
75-35-4	1,1-Dichloroethene	19.3	
156-59-2	cis-1,2-Dichloroethene	18.1	
156-60-5	trans-1,2-Dichloroethene	18.0	
540-59-0	1,2-Dichloroethene (total)	36.1	
78-87-5	1,2-Dichloropropane	21.4	
142-28-9	1,3-Dichloropropane	19.9	
594-20-7	2,2-Dichloropropane	22.0	
563-58-6	1,1-Dichloropropene	20.5	
10061-01-5	cis-1,3-Dichloropropene	21.5	
10061-02-6	trans-1,3-Dichloropropene	22.1	
100-41-4	Ethylbenzene	19.3	
75-69-4	Trichlorofluoromethane	18.8	
87-68-3	Hexachlorobutadiene	18.0	
591-78-6	2-Hexanone	20.1	
74-88-4	Iodomethane	22.6	
98-82-8	Isopropylbenzene	19.8	
99-87-6	p-Isopropyltoluene	19.9	
79-20-9	Methyl acetate	45.8	
108-87-2	Methylcyclohexane	51.0	
75-09-2	Methylene chloride	19.3	
103-65-1	n-Propylbenzene	18.9	
100-42-5	Styrene	20.9	
630-20-6	1,1,1,2-Tetrachloroethane	19.5	
79-34-5	1,1,2,2-Tetrachloroethane	18.0	
127-18-4	Tetrachloroethene	15.7	
108-88-3	Toluene	20.3	
120-82-1	1,2,4-Trichlorobenzene	18.8	

EA Engineering, Science and Technology
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F150000 158
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J033D1AD Date Extracted: 06/14/07
Dilution factor: 1 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	20.9	
79-00-5	1,1,2-Trichloroethane	18.5	
79-01-6	Trichloroethene	18.4	
96-18-4	1,2,3-Trichloropropane	18.1	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	18.1	
95-63-6	1,2,4-Trimethylbenzene	20.5	
108-67-8	1,3,5-Trimethylbenzene	20.5	
108-05-4	Vinyl acetate	26.4	
75-01-4	Vinyl chloride	20.5	
1330-20-7	Xylenes (total)	60.9	
71-36-3	n-Butanol	823	
96-12-8	1,2-Dibromo-3-chloropropane	16.0	
106-93-4	1,2-Dibromoethane (EDB)	18.6	
78-93-3	2-Butanone (MEK)	21.8	
108-10-1	4-Methyl-2-pentanone (MIBK)	20.9	
1634-04-4	Methyl tert-butyl ether (MTB	20.4	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	102	(75 - 115)
Toluene-d8	110	(90 - 114)
4-Bromofluorobenzene	105	(86 - 117)
Dibromofluoromethane	100	(81 - 110)

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A3 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	490000	
107-02-8	Acrolein	2650000	
107-13-1	Acrylonitrile	2120000	
71-43-2	Benzene	389000	
108-86-1	Bromobenzene	346000	
75-27-4	Bromodichloromethane	388000	
75-25-2	Bromoform	357000	
74-83-9	Bromomethane	478000	
104-51-8	n-Butylbenzene	380000	
135-98-8	sec-Butylbenzene	380000	
98-06-6	tert-Butylbenzene	398000	
75-15-0	Carbon disulfide	426000	
56-23-5	Carbon tetrachloride	396000	
108-90-7	Chlorobenzene	358000	
124-48-1	Dibromochloromethane	382000	
75-00-3	Chloroethane	420000	
110-75-8	2-Chloroethyl vinyl ether	549000	a
67-66-3	Chloroform	380000	
74-87-3	Chloromethane	362000	
95-49-8	2-Chlorotoluene	370000	
106-43-4	4-Chlorotoluene	374000	
74-95-3	Dibromomethane	334000	
95-50-1	1,2-Dichlorobenzene	351000	
541-73-1	1,3-Dichlorobenzene	351000	
106-46-7	1,4-Dichlorobenzene	344000	
110-57-6	trans-1,4-Dichloro-2-butene	347000	
75-71-8	Dichlorodifluoromethane	227000	
75-34-3	1,1-Dichloroethane	435000	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL
Work Order: J0DTN1A3
Dilution factor: 20000
Moisture %:NA

Date Received: 06/06/07
Date Extracted:06/14/07
Date Analyzed: 06/14/07

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	689000	
75-35-4	1,1-Dichloroethene	383000	
156-59-2	cis-1,2-Dichloroethene	355000	
156-60-5	trans-1,2-Dichloroethene	351000	
540-59-0	1,2-Dichloroethene (total)	706000	
78-87-5	1,2-Dichloropropane	417000	
142-28-9	1,3-Dichloropropane	382000	
594-20-7	2,2-Dichloropropane	424000	
563-58-6	1,1-Dichloropropene	400000	
10061-01-5	cis-1,3-Dichloropropene	411000	
10061-02-6	trans-1,3-Dichloropropene	424000	
100-41-4	Ethylbenzene	372000	
75-69-4	Trichlorofluoromethane	363000	
87-68-3	Hexachlorobutadiene	367000	
591-78-6	2-Hexanone	394000	
74-88-4	Iodomethane	425000	
98-82-8	Isopropylbenzene	384000	
99-87-6	p-Isopropyltoluene	388000	
79-20-9	Methyl acetate	900000	
108-87-2	Methylcyclohexane	1070000	
75-09-2	Methylene chloride	1400000	a
103-65-1	n-Propylbenzene	370000	
100-42-5	Styrene	400000	
630-20-6	1,1,1,2-Tetrachloroethane	372000	
79-34-5	1,1,2,2-Tetrachloroethane	346000	
127-18-4	Tetrachloroethene	320000	
108-88-3	Toluene	390000	
120-82-1	1,2,4-Trichlorobenzene	362000	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A3 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	571000	
79-00-5	1,1,2-Trichloroethane	358000	
79-01-6	Trichloroethene	434000	
96-18-4	1,2,3-Trichloropropane	406000	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	364000	
95-63-6	1,2,4-Trimethylbenzene	393000	
108-67-8	1,3,5-Trimethylbenzene	395000	
108-05-4	Vinyl acetate	510000	
75-01-4	Vinyl chloride	388000	
1330-20-7	Xylenes (total)	1170000	
71-36-3	n-Butanol	15600000	
96-12-8	1,2-Dibromo-3-chloropropane	305000	
106-93-4	1,2-Dibromoethane (EDB)	364000	
78-93-3	2-Butanone (MEK)	427000	
108-10-1	4-Methyl-2-pentanone (MIBK)	395000	
1634-04-4	Methyl tert-butyl ether (MTB	392000	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	104	(67 - 130)
Toluene-d8	111	(83 - 115)
4-Bromofluorobenzene	107	(79 - 119)
Dibromofluoromethane	102	(88 - 119)

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	629000	p
107-02-8	Acrolein	2710000	
107-13-1	Acrylonitrile	2150000	
71-43-2	Benzene	406000	
108-86-1	Bromobenzene	363000	
75-27-4	Bromodichloromethane	405000	
75-25-2	Bromoform	370000	
74-83-9	Bromomethane	506000	
104-51-8	n-Butylbenzene	387000	
135-98-8	sec-Butylbenzene	391000	
98-06-6	tert-Butylbenzene	412000	
75-15-0	Carbon disulfide	421000	
56-23-5	Carbon tetrachloride	408000	
108-90-7	Chlorobenzene	376000	
124-48-1	Dibromochloromethane	399000	
75-00-3	Chloroethane	438000	
110-75-8	2-Chloroethyl vinyl ether	580000	a
67-66-3	Chloroform	394000	
74-87-3	Chloromethane	377000	
95-49-8	2-Chlorotoluene	386000	
106-43-4	4-Chlorotoluene	384000	
74-95-3	Dibromomethane	345000	
95-50-1	1,2-Dichlorobenzene	362000	
541-73-1	1,3-Dichlorobenzene	367000	
106-46-7	1,4-Dichlorobenzene	357000	
110-57-6	trans-1,4-Dichloro-2-butene	341000	
75-71-8	Dichlorodifluoromethane	225000	
75-34-3	1,1-Dichloroethane	455000	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted: 06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %: NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
107-06-2	1,2-Dichloroethane	724000	
75-35-4	1,1-Dichloroethene	391000	
156-59-2	cis-1,2-Dichloroethene	368000	
156-60-5	trans-1,2-Dichloroethene	355000	
540-59-0	1,2-Dichloroethene (total)	723000	
78-87-5	1,2-Dichloropropane	434000	
142-28-9	1,3-Dichloropropane	398000	
594-20-7	2,2-Dichloropropane	444000	
563-58-6	1,1-Dichloropropene	410000	
10061-01-5	cis-1,3-Dichloropropene	430000	
10061-02-6	trans-1,3-Dichloropropene	444000	
100-41-4	Ethylbenzene	389000	
75-69-4	Trichlorofluoromethane	371000	
87-68-3	Hexachlorobutadiene	360000	
591-78-6	2-Hexanone	411000	
74-88-4	Iodomethane	441000	
98-82-8	Isopropylbenzene	402000	
99-87-6	p-Isopropyltoluene	402000	
79-20-9	Methyl acetate	930000	
108-87-2	Methylcyclohexane	1080000	
75-09-2	Methylene chloride	1500000	
103-65-1	n-Propylbenzene	381000	
100-42-5	Styrene	421000	
630-20-6	1,1,1,2-Tetrachloroethane	394000	
79-34-5	1,1,2,2-Tetrachloroethane	358000	
127-18-4	Tetrachloroethene	332000	
108-88-3	Toluene	410000	
120-82-1	1,2,4-Trichlorobenzene	374000	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 15 / mL Date Received: 06/06/07
Work Order: J0DTN1A4 Date Extracted:06/14/07
Dilution factor: 20000 Date Analyzed: 06/14/07
Moisture %:NA

QC Batch: 7166158

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
71-55-6	1,1,1-Trichloroethane	597000	
79-00-5	1,1,2-Trichloroethane	374000	
79-01-6	Trichloroethene	450000	
96-18-4	1,2,3-Trichloropropane	420000	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	362000	
95-63-6	1,2,4-Trimethylbenzene	408000	
108-67-8	1,3,5-Trimethylbenzene	479000	
108-05-4	Vinyl acetate	532000	
75-01-4	Vinyl chloride	398000	
1330-20-7	Xylenes (total)	1230000	
71-36-3	n-Butanol	17200000	
96-12-8	1,2-Dibromo-3-chloropropane	313000	
106-93-4	1,2-Dibromoethane (EDB)	373000	
78-93-3	2-Butanone (MEK)	442000	
108-10-1	4-Methyl-2-pentanone (MIBK)	416000	
1634-04-4	Methyl tert-butyl ether (MTB	407000	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
1,2-Dichloroethane-d4	101	(67 - 130)
Toluene-d8	110	(83 - 115)
4-Bromofluorobenzene	105	(79 - 119)
Dibromofluoromethane	100	(88 - 119)

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060169

Extraction: XXIC6QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW28A	121	107	116	103	00
02	MW29	109	108	109	99	00
03	TRIP BLANK	99	110	106	99	00
04	METHOD BLK. J033D1AA	107	108	107	100	00
05	LCS J033D1AC	106	111	106	102	00
06	MW29 D	101	110	105	100	00
07	LCSD J033D1AD	102	110	105	100	00
08	MW29 S	104	111	107	102	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(67-130)
SRG02	= Toluene-d8	(83-115)
SRG03	= 4-Bromofluorobenzene	(79-119)
SRG04	= Dibromofluoromethane	(88-119)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Benzene	400000	8600	389000	95	70 - 118	
Chlorobenzene	400000	ND	358000	90	65 - 120	
1,1-Dichloroethene	400000	10000	383000	93	71 - 125	
Toluene	400000	ND	390000	97	76 - 120	
Trichloroethene	400000	75000	434000	90	64 - 120	
Acetone	400000	60000	490000	108	35 - 161	
Bromobenzene	400000	ND	346000	86	63 - 126	
Bromodichloromethane	400000	ND	388000	97	53 - 147	
Bromoform	400000	ND	357000	89	33 - 151	
Bromomethane	400000	ND	478000	119	38 - 163	
2-Butanone (MEK)	400000	ND	427000	107	28 - 177	
n-Butylbenzene	400000	ND	380000	95	55 - 156	
sec-Butylbenzene	400000	ND	380000	95	57 - 153	
tert-Butylbenzene	400000	ND	398000	100	65 - 139	
Carbon disulfide	400000	ND	426000	107	64 - 128	
Carbon tetrachloride	400000	25000	396000	93	55 - 139	
Chloroethane	400000	ND	420000	105	62 - 130	
2-Chloroethyl vinyl ether	400000	ND	549000	137*	10 - 122	a
Chloroform	400000	ND	380000	95	69 - 128	
Chloromethane	400000	ND	362000	90	57 - 148	
2-Chlorotoluene	400000	ND	370000	93	66 - 134	
4-Chlorotoluene	400000	ND	374000	93	62 - 140	
Dibromochloromethane	400000	ND	382000	96	55 - 128	
1,2-Dibromo-3-chloropropa	400000	ND	305000	76	51 - 133	
1,2-Dibromoethane (EDB)	400000	ND	364000	91	67 - 122	
Dibromomethane	400000	ND	334000	83	64 - 124	
1,2-Dichlorobenzene	400000	ND	351000	88	65 - 122	
1,3-Dichlorobenzene	400000	ND	351000	88	69 - 120	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,4-Dichlorobenzene	400000	ND	344000	86	69- 123	
Dichlorodifluoromethane	400000	ND	227000	57	30- 140	
1,1-Dichloroethane	400000	20000	435000	104	75- 126	
1,2-Dichloroethane	400000	370000	689000	80	59- 138	
cis-1,2-Dichloroethene	400000	ND	355000	87	71- 122	
trans-1,2-Dichloroethene	400000	ND	351000	88	75- 129	
1,2-Dichloropropane	400000	9600	417000	102	74- 118	
1,3-Dichloropropane	400000	ND	382000	95	67- 122	
2,2-Dichloropropane	400000	ND	424000	106	71- 151	
1,1-Dichloropropene	400000	ND	400000	100	74- 127	
cis-1,3-Dichloropropene	400000	ND	411000	103	58- 137	
trans-1,3-Dichloropropene	400000	ND	424000	106	42- 185	
Ethylbenzene	400000	ND	372000	93	72- 121	
Hexachlorobutadiene	400000	ND	367000	92	71- 135	
2-Hexanone	400000	ND	394000	99	34- 184	
Iodomethane	400000	ND	425000	106	36- 159	
Isopropylbenzene	400000	ND	384000	96	69- 124	
p-Isopropyltoluene	400000	ND	388000	97	63- 140	
4-Methyl-2-pentanone (MIB	400000	ND	395000	99	38- 171	
Methylene chloride	400000	1200000	1400000	60*	66- 116	a
n-Propylbenzene	400000	ND	370000	93	57- 142	
Styrene	400000	ND	400000	100	69- 120	
1,1,1,2-Tetrachloroethane	400000	ND	372000	93	58- 128	
1,1,2,2-Tetrachloroethane	400000	ND	346000	87	54- 129	
Tetrachloroethene	400000	9600	320000	78	50- 131	
1,2,4-Trichlorobenzene	400000	ND	362000	91	54- 144	
1,1,1-Trichloroethane	400000	170000	571000	100	66- 131	
1,1,2-Trichloroethane	400000	ND	358000	90	62- 127	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A3
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,2,3-Trichloropropane	400000	56000	406000	87	61- 133	
Trichlorofluoromethane	400000	ND	363000	91	60- 129	
1,2,4-Trimethylbenzene	400000	ND	393000	98	58- 152	
1,3,5-Trimethylbenzene	400000	ND	395000	99	59- 151	
Vinyl acetate	400000	ND	510000	127	59- 153	
Vinyl chloride	400000	ND	388000	97	66- 127	
Xylenes (total)	1200000	ND	1170000	97	72- 121	
Acrolein	2000000	ND	2650000	132	19- 217	
Acrylonitrile	2000000	ND	2120000	106	55- 163	
trans-1,4-Dichloro-2-bute	400000	ND	347000	87	37- 186	
1,2-Dichloroethene (total	800000	ND	706000	88	74- 125	
Methyl tert-butyl ether (	400000	ND	392000	98	57- 144	
Methylcyclohexane	1000000	ND	1070000	107	70- 130	
1,1,2-Trichloro-1,2,2-tri	400000	ND	364000	91	65- 153	
n-Butanol	20000000	ND	15600000	78	70- 130	
Methyl acetate	1000000	ND	900000	90	70- 130	

NOTES(S):

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Benzene	400000	406000	99	4.4		20	70 - 118	
Chlorobenzene	400000	376000	94	4.9		20	65 - 120	
1,1-Dichloroethene	400000	391000	95	2.2		20	71 - 125	
Toluene	400000	410000	102	5.0		20	76 - 120	
Trichloroethene	400000	450000	94	3.5		20	64 - 120	
Acetone	400000	629000	142	25	*	20	35 - 161	p
Bromobenzene	400000	363000	91	4.8		20	63 - 126	
Bromodichloromethane	400000	405000	101	4.4		20	53 - 147	
Bromoform	400000	370000	92	3.4		20	33 - 151	
Bromomethane	400000	506000	127	5.7		20	38 - 163	
2-Butanone (MEK)	400000	442000	111	3.4		20	28 - 177	
n-Butylbenzene	400000	387000	97	2.0		20	55 - 156	
sec-Butylbenzene	400000	391000	98	2.7		20	57 - 153	
tert-Butylbenzene	400000	412000	103	3.4		20	65 - 139	
Carbon disulfide	400000	421000	105	1.1		20	64 - 128	
Carbon tetrachloride	400000	408000	96	2.9		20	55 - 139	
Chloroethane	400000	438000	109	4.1		20	62 - 130	
2-Chloroethyl vinyl ether	400000	580000	145*	5.4		20	10 - 122	a
Chloroform	400000	394000	99	3.6		20	69 - 128	
Chloromethane	400000	377000	94	4.1		20	57 - 148	
2-Chlorotoluene	400000	386000	96	4.1		20	66 - 134	
4-Chlorotoluene	400000	384000	96	2.8		20	62 - 140	
Dibromochloromethane	400000	399000	100	4.2		20	55 - 128	
1,2-Dibromo-3-chloropropa	400000	313000	78	2.8		40	51 - 133	
1,2-Dibromoethane (EDB)	400000	373000	93	2.6		20	67 - 122	
Dibromomethane	400000	345000	86	3.3		20	64 - 124	
1,2-Dichlorobenzene	400000	362000	91	3.2		20	65 - 122	
1,3-Dichlorobenzene	400000	367000	92	4.4		20	69 - 120	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,4-Dichlorobenzene	400000	357000	89	3.6	20	69- 123	
Dichlorodifluoromethane	400000	225000	56	0.73	20	30- 140	
1,1-Dichloroethane	400000	455000	109	4.5	20	75- 126	
1,2-Dichloroethane	400000	724000	88	4.9	20	59- 138	
cis-1,2-Dichloroethene	400000	368000	91	3.5	20	71- 122	
trans-1,2-Dichloroethene	400000	355000	89	1.1	20	75- 129	
1,2-Dichloropropane	400000	434000	106	4.0	20	74- 118	
1,3-Dichloropropane	400000	398000	100	4.3	20	67- 122	
2,2-Dichloropropane	400000	444000	111	4.7	20	71- 151	
1,1-Dichloropropene	400000	410000	102	2.5	20	74- 127	
cis-1,3-Dichloropropene	400000	430000	108	4.6	20	58- 137	
trans-1,3-Dichloropropene	400000	444000	111	4.7	20	42- 185	
Ethylbenzene	400000	389000	97	4.7	20	72- 121	
Hexachlorobutadiene	400000	360000	90	1.8	20	71- 135	
2-Hexanone	400000	411000	103	4.3	20	34- 184	
Iodomethane	400000	441000	110	3.8	20	36- 159	
Isopropylbenzene	400000	402000	100	4.4	40	69- 124	
p-Isopropyltoluene	400000	402000	100	3.4	20	63- 140	
4-Methyl-2-pentanone (MIB	400000	416000	104	5.4	20	38- 171	
Methylene chloride	400000	1500000	84	6.6	20	66- 116	
n-Propylbenzene	400000	381000	95	2.8	20	57- 142	
Styrene	400000	421000	105	5.1	20	69- 120	
1,1,1,2-Tetrachloroethane	400000	394000	98	5.7	40	58- 128	
1,1,2,2-Tetrachloroethane	400000	358000	89	3.2	20	54- 129	
Tetrachloroethene	400000	332000	80	3.4	20	50- 131	
1,2,4-Trichlorobenzene	400000	374000	94	3.3	20	54- 144	
1,1,1-Trichloroethane	400000	597000	106	4.6	20	66- 131	
1,1,2-Trichloroethane	400000	374000	93	4.2	20	62- 127	

(Continued on next page)

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: MW29

Lot #: I7F060169 WO #: J0DTN1A4
BATCH: 7166158

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,2,3-Trichloropropane	400000	420000	91	3.5	20	61 - 133	
Trichlorofluoromethane	400000	371000	93	2.1	20	60 - 129	
1,2,4-Trimethylbenzene	400000	408000	102	3.8	20	58 - 152	
1,3,5-Trimethylbenzene	400000	479000	120	19	20	59 - 151	
Vinyl acetate	400000	532000	133	4.2	20	59 - 153	
Vinyl chloride	400000	398000	99	2.4	20	66 - 127	
Xylenes (total)	1200000	1230000	101	4.6	20	72 - 121	
Acrolein	2000000	2710000	136	2.3	20	19 - 217	
Acrylonitrile	2000000	2150000	107	1.4	20	55 - 163	
trans-1,4-Dichloro-2-bute	400000	341000	85	1.8	20	37 - 186	
1,2-Dichloroethene (total	800000	723000	90	2.3	20	74 - 125	
Methyl tert-butyl ether (	400000	407000	102	3.7	20	57 - 144	
Methylcyclohexane	1000000	1080000	108	0.50	20	70 - 130	
1,1,2-Trichloro-1,2,2-tri	400000	362000	90	0.54	20	65 - 153	
n-Butanol	20000000	17200000	86	9.9	20	70 - 130	
Methyl acetate	1000000	930000	93	3.2	20	70 - 130	

NOTES(S):

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 72 outside limits
Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzene	20.0	18.5	93	70- 118	
Chlorobenzene	20.0	17.3	87	65- 120	
1,1-Dichloroethene	20.0	17.8	89	71- 125	
Toluene	20.0	18.8	94	76- 120	
Trichloroethene	20.0	17.2	86	64- 120	
Acetone	20.0	23.5	117	35- 161	
Bromobenzene	20.0	16.9	84	63- 126	
Bromodichloromethane	20.0	18.9	95	53- 147	
Bromoform	20.0	17.3	87	33- 151	
Bromomethane	20.0	22.9	115	38- 163	
2-Butanone (MEK)	20.0	20.4	102	28- 177	
n-Butylbenzene	20.0	18.0	90	55- 156	
sec-Butylbenzene	20.0	18.4	92	57- 153	
tert-Butylbenzene	20.0	19.3	96	65- 139	
Carbon disulfide	20.0	21.0	105	64- 128	
Carbon tetrachloride	20.0	19.1	95	55- 139	
Chloroethane	20.0	20.7	103	62- 130	
2-Chloroethyl vinyl ether	20.0	25.9	130*	10- 122	a
Chloroform	20.0	18.6	93	69- 128	
Chloromethane	20.0	18.3	91	57- 148	
2-Chlorotoluene	20.0	18.2	91	66- 134	
4-Chlorotoluene	20.0	18.1	90	62- 140	
Dibromochloromethane	20.0	18.4	92	55- 128	
1,2-Dibromo-3-chloropropa	20.0	15.1	76	51- 133	
1,2-Dibromoethane (EDB)	20.0	17.5	87	67- 122	
Dibromomethane	20.0	16.3	82	64- 124	
1,2-Dichlorobenzene	20.0	17.0	85	65- 122	
1,3-Dichlorobenzene	20.0	17.3	87	69- 120	
1,4-Dichlorobenzene	20.0	16.8	84	69- 123	
Dichlorodifluoromethane	20.0	12.2	61	30- 140	
1,1-Dichloroethane	20.0	20.3	102	75- 126	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethane	20.0	19.3	96	59- 138	
cis-1,2-Dichloroethene	20.0	16.8	84	71- 122	
trans-1,2-Dichloroethene	20.0	16.9	84	75- 129	
1,2-Dichloropropane	20.0	19.7	98	74- 118	
1,3-Dichloropropane	20.0	18.5	93	67- 122	
2,2-Dichloropropane	20.0	20.3	101	71- 151	
1,1-Dichloropropene	20.0	19.3	96	74- 127	
cis-1,3-Dichloropropene	20.0	19.9	99	58- 137	
trans-1,3-Dichloropropene	20.0	20.3	102	42- 185	
Ethylbenzene	20.0	18.0	90	72- 121	
Hexachlorobutadiene	20.0	17.6	88	71- 135	
2-Hexanone	20.0	18.5	93	34- 184	
Iodomethane	20.0	21.0	105	36- 159	
Isopropylbenzene	20.0	18.5	92	69- 124	
p-Isopropyltoluene	20.0	18.9	95	63- 140	
4-Methyl-2-pentanone (MIB	20.0	19.1	96	38- 171	
Methylene chloride	20.0	18.1	90	66- 116	
n-Propylbenzene	20.0	17.9	89	57- 142	
Styrene	20.0	19.4	97	69- 120	
1,1,1,2-Tetrachloroethane	20.0	18.0	90	58- 128	
1,1,2,2-Tetrachloroethane	20.0	17.0	85	54- 129	
Tetrachloroethene	20.0	14.8	74	50- 131	
1,2,4-Trichlorobenzene	20.0	17.6	88	54- 144	
1,1,1-Trichloroethane	20.0	19.3	96	66- 131	
1,1,2-Trichloroethane	20.0	17.4	87	62- 127	
1,2,3-Trichloropropane	20.0	17.4	87	61- 133	
Trichlorofluoromethane	20.0	17.9	89	60- 129	
1,2,4-Trimethylbenzene	20.0	19.3	96	58- 152	
1,3,5-Trimethylbenzene	20.0	22.6	113	59- 151	
Vinyl acetate	20.0	24.5	122	59- 153	
Vinyl chloride	20.0	19.6	98	66- 127	

(Continued on next page)

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AC
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	60.0	56.8	95	72 - 121	
Acrolein	100	131	131	19 - 217	
Acrylonitrile	100	104	104	55 - 163	
trans-1,4-Dichloro-2-bute	20.0	15.2	76	37 - 186	
1,2-Dichloroethene (total	40.0	33.7	84	74 - 125	
Methyl tert-butyl ether (	20.0	18.8	94	57 - 144	
Methyl acetate	50.0	43.1	86	49 - 287	
Methylcyclohexane	50.0	49.3	99	70 - 130	
1,1,2-Trichloro-1,2,2-tri	20.0	17.4	87	65 - 153	
n-Butanol	1000	718	72	70 - 130	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzene	20.0	20.1	100	70- 118	
Chlorobenzene	20.0	18.7	93	65- 120	
1,1-Dichloroethene	20.0	19.3	97	71- 125	
Toluene	20.0	20.3	101	76- 120	
Trichloroethene	20.0	18.4	92	64- 120	
Acetone	20.0	25.6	128	35- 161	
Bromobenzene	20.0	17.9	90	63- 126	
Bromodichloromethane	20.0	20.4	102	53- 147	
Bromoform	20.0	18.7	93	33- 151	
Bromomethane	20.0	25.1	126	38- 163	
2-Butanone (MEK)	20.0	21.8	109	28- 177	
n-Butylbenzene	20.0	19.2	96	55- 156	
sec-Butylbenzene	20.0	19.5	97	57- 153	
tert-Butylbenzene	20.0	20.7	103	65- 139	
Carbon disulfide	20.0	21.4	107	64- 128	
Carbon tetrachloride	20.0	20.6	103	55- 139	
Chloroethane	20.0	22.1	110	62- 130	
2-Chloroethyl vinyl ether	20.0	28.2	141*	10- 122	a
Chloroform	20.0	20.1	100	69- 128	
Chloromethane	20.0	19.6	98	57- 148	
2-Chlorotoluene	20.0	19.5	97	66- 134	
4-Chlorotoluene	20.0	19.2	96	62- 140	
Dibromochloromethane	20.0	19.9	100	55- 128	
1,2-Dibromo-3-chloropropa	20.0	16.0	80	51- 133	
1,2-Dibromoethane (EDB)	20.0	18.6	93	67- 122	
Dibromomethane	20.0	17.2	86	64- 124	
1,2-Dichlorobenzene	20.0	18.3	91	65- 122	
1,3-Dichlorobenzene	20.0	18.2	91	69- 120	
1,4-Dichlorobenzene	20.0	17.8	89	69- 123	
Dichlorodifluoromethane	20.0	12.5	62	30- 140	
1,1-Dichloroethane	20.0	21.9	110	75- 126	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,2-Dichloroethane	20.0	20.2	101	59- 138	
cis-1,2-Dichloroethene	20.0	18.1	91	71- 122	
trans-1,2-Dichloroethene	20.0	18.0	90	75- 129	
1,2-Dichloropropane	20.0	21.4	107	74- 118	
1,3-Dichloropropane	20.0	19.9	100	67- 122	
2,2-Dichloropropane	20.0	22.0	110	71- 151	
1,1-Dichloropropene	20.0	20.5	103	74- 127	
cis-1,3-Dichloropropene	20.0	21.5	107	58- 137	
trans-1,3-Dichloropropene	20.0	22.1	110	42- 185	
Ethylbenzene	20.0	19.3	97	72- 121	
Hexachlorobutadiene	20.0	18.0	90	71- 135	
2-Hexanone	20.0	20.1	100	34- 184	
Iodomethane	20.0	22.6	113	36- 159	
Isopropylbenzene	20.0	19.8	99	69- 124	
p-Isopropyltoluene	20.0	19.9	100	63- 140	
4-Methyl-2-pentanone (MIB	20.0	20.9	104	38- 171	
Methylene chloride	20.0	19.3	96	66- 116	
n-Propylbenzene	20.0	18.9	94	57- 142	
Styrene	20.0	20.9	104	69- 120	
1,1,1,2-Tetrachloroethane	20.0	19.5	98	58- 128	
1,1,2,2-Tetrachloroethane	20.0	18.0	90	54- 129	
Tetrachloroethene	20.0	15.7	78	50- 131	
1,2,4-Trichlorobenzene	20.0	18.8	94	54- 144	
1,1,1-Trichloroethane	20.0	20.9	104	66- 131	
1,1,2-Trichloroethane	20.0	18.5	93	62- 127	
1,2,3-Trichloropropane	20.0	18.1	91	61- 133	
Trichlorofluoromethane	20.0	18.8	94	60- 129	
1,2,4-Trimethylbenzene	20.0	20.5	102	58- 152	
1,3,5-Trimethylbenzene	20.0	20.5	103	59- 151	
Vinyl acetate	20.0	26.4	132	59- 153	
Vinyl chloride	20.0	20.5	103	66- 127	

(Continued on next page)

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F150000 WO #: J033D1AD
BATCH: 7166158

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Xylenes (total)	60.0	60.9	101	72- 121	
Acrolein	100	135	135	19- 217	
Acrylonitrile	100	110	110	55- 163	
trans-1,4-Dichloro-2-bute	20.0	16.9	85	37- 186	
1,2-Dichloroethene (total	40.0	36.1	90	74- 125	
Methyl tert-butyl ether (	20.0	20.4	102	57- 144	
Methyl acetate	50.0	45.8	92	49- 287	
Methylcyclohexane	50.0	51.0	102	70- 130	
1,1,2-Trichloro-1,2,2-tri	20.0	18.1	91	65- 153	
n-Butanol	1000	823	82	70- 130	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

* Values outside of QC limits

Spike Recovery: 1 out of 72 outside limits

COMMENTS:

FORM III

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.
J033D1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: I614713.D

Lot Number: I7F060169

Date Analyzed: 06/14/07

Time Analyzed: 18:08

Matrix: WATER

Date Extracted:06/14/07

GC Column: RTX-502.2 ID: .25

Extraction Method: 5030B/8260B

Instrument ID: I1

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW28A	J0DTG1A2	I614717.D	06/14/07	19:48
02	MW29	J0DTN1AD	I614719.D	06/14/07	20:38
03	MW29	J0DTN1A3 S	I614709.D	06/14/07	16:28
04	MW29	J0DTN1A4 D	I614710.D	06/14/07	16:53
05	TRIP BLANK	J0DTR1AA	I614714.D	06/14/07	18:33
06	CHECK SAMPLE	J033D1AC C	I614707.D	06/14/07	14:35
07	DUPLICATE CHECK	J033D1AD L	I614708.D	06/14/07	15:00
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

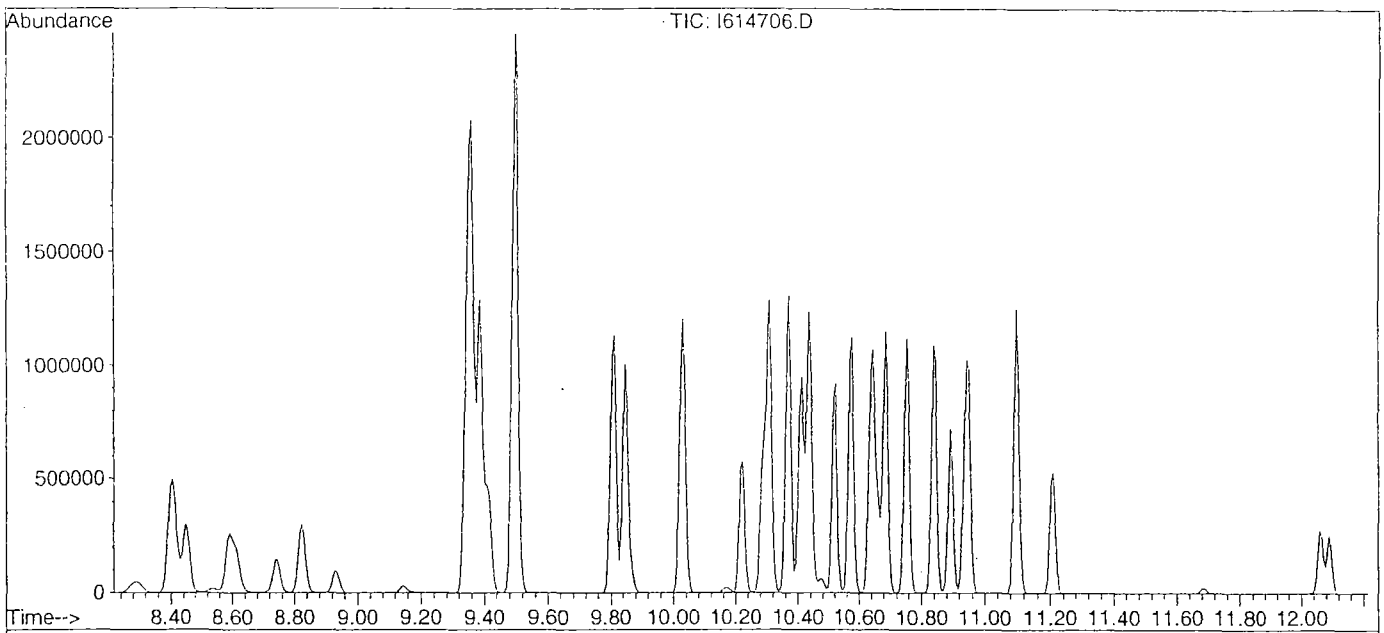
Calibration Data

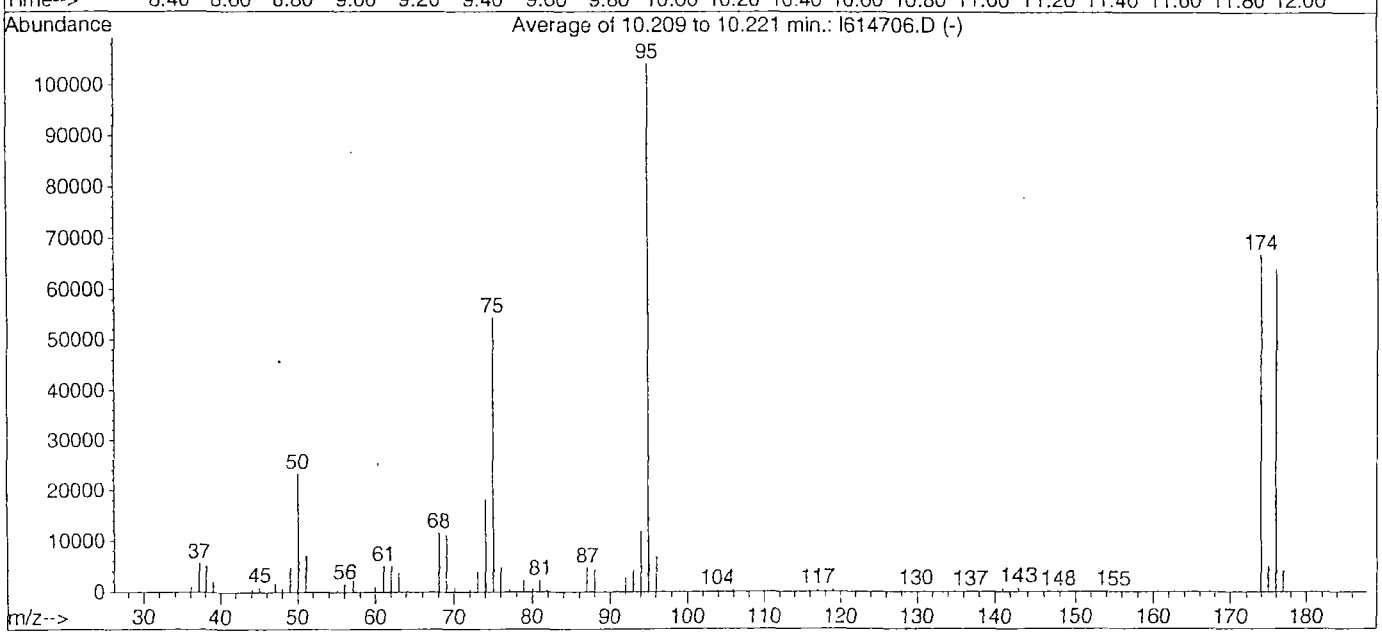
Method: 8260B

Associated Samples: 1-3

Batch Number: 7166158.

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water





AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1494

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	23296	PASS
75	95	30	60	52.3	54498	PASS
95	95	100	100	100.0	104203	PASS
96	95	5	9	6.6	6868	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.2	66928	PASS
175	174	5	9	7.5	5031	PASS
176	174	95	101	96.1	64304	PASS
177	176	5	9	6.4	4145	PASS

I614706.D I70326W.M Thu Jun 14 15:37:34 2007 RPT

BM 3/27/07

Calibration Table Report											
Method: I70326W.M											
Title: EPA Method 8260B/624 Calibration Curve 15mL Water											
Last Calibration: Tue Mar 27 13:31:08 2007											
Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Fluorobenzene (IS)	ISTD										
Dichlorodifluoromethane	0.448	0.455	0.434	0.448	0.430	0.419	0.406	0.434	4.033		
Chloromethane (SPCC)	0.411	0.420	0.393	0.427	0.403	0.405	0.406	0.409 ✓	2.717		
Vinyl chloride (CCC)	0.286	0.283	0.273	0.300	0.279	0.276	0.271	0.281	3.512 ✓		
Bromomethane	✓	0.104	0.119	0.146	0.139	0.146	0.138	0.132	12.784		
Ethylene oxide	✓	✓	0.015	0.016	0.015	0.015	0.013	0.015	6.880		
Chloroethane	0.265	0.264	0.255	0.264	0.238	0.228	0.179	0.242	12.959		
Trichlorofluoromethane	0.499	0.497	0.474	0.489	0.458	0.439	0.413	0.467	6.930		
Ethyl ether	0.142	0.160	0.144	0.160	0.162	0.164	0.161	0.156	5.879		
Ethanol	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	17.384		
1,1-Dichloroethene (CCC)	0.264	0.256	0.246	0.264	0.254	0.251	0.243	0.254	3.293 ✓		
Carbon disulfide	0.773	0.729	0.714	0.790	0.787	0.795	0.776	0.766	4.170		
1,1,2-Trichlorotrifluoroethane	0.306	0.297	0.276	0.288	0.275	0.272	0.265	0.283	5.219		
Propylene oxide	✓	✓	0.020	0.023	0.023	0.025	0.025	0.023	8.164		
Iodomethane	0.226	0.233	0.252	0.276	0.250	0.235	0.210	0.240	8.879		
Bromoethane	0.186	0.186	0.176	0.186	0.178	0.177	0.170	0.180	3.469		
Acrolein		0.008	0.009	0.010	0.010	0.012	0.012	0.010	15.047		
3-Chloropropene	0.326	0.334	0.341	0.373	0.358	0.347	0.319	0.343	5.494		
Methylene chloride	0.268	0.269	0.245	0.262	0.249	0.247	0.242	0.255	4.390		
Acetone	✓	✓	0.019	0.021	0.020	0.021	0.024	0.021	8.945		
trans-1,2-Dichloroethene	0.301	0.306	0.287	0.309	0.291	0.279	0.268	0.292	5.147		
Methyl acetate	✓	0.022	0.019	0.021	0.020	0.021	0.022	0.021	4.306		
Hexane	0.111	0.111	0.113	0.122	0.119	0.117	0.115	0.115	3.651		
Methyl tert-butyl ether (MTBE)	0.379	0.423	0.386	0.440	0.457	0.475	0.481	0.434	9.394		
tert-Butyl alcohol	0.004	0.004	0.003	0.005	0.006	0.006	0.007	0.005	25.378	0.996	
Acetonitrile	✓	✓	0.004	0.004	0.005	0.005	0.005	0.004	12.313		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Isopropyl ether	0.648	0.707	0.686	0.783	0.796	0.806	0.786	0.745	8.465		
2-Chloro-1,3-butadiene	0.186	0.196	0.203	0.232	0.234	0.240	0.239	0.219	10.438		
1,1-Dichloroethane (SPCC)	0.551	0.565	0.531	0.576	0.546	0.536	0.508	0.545 ✓	4.130		
Acrylonitrile	✓	0.035	0.033	0.038	0.038	0.040	0.040	0.037	6.830		
Vinyl acetate	✓	0.191	0.185	0.227	0.250	0.273	0.279	0.234	17.118		
cis-1,2-Dichloroethene	0.296	0.299	0.286	0.307	0.288	0.278	0.269	0.289	4.450		
2,2-Dichloropropane	0.361	0.372	0.370	0.415	0.416	0.433	0.434	0.400	7.854		
Cyclohexane	0.723	0.734	0.732	0.781	0.742	0.713	0.664	0.727	4.818		
Bromochloromethane	0.124	0.124	0.112	0.119	0.116	0.117	0.114	0.118	3.894		
2-Methylhexane	0.565	0.621	0.614	0.648	0.627	0.596	0.546	0.603	5.997		
Chloroform (CCC)	0.479	0.483	0.449	0.481	0.459	0.454	0.436	0.463	3.972 ✓		
Carbon tetrachloride	0.311	0.310	0.308	0.333	0.325	0.332	0.324	0.320	3.372		
3-Methylhexane	0.246	0.263	0.255	0.276	0.270	0.261	0.244	0.259	4.589		
Ethyl acetate	0.065	0.081	0.071	0.094	0.096	0.107	0.130	0.092	24.069		1.000
Tetrahydrofuran	0.038	0.044	0.035	0.044	0.048	0.051	0.044	0.043	12.741		
Dibromofluoromethane (Surr)	0.235	0.231	0.221	0.238	0.230	0.226	0.217	0.228	3.297		
1,1,1-Trichloroethane	0.384	0.398	0.389	0.421	0.407	0.408	0.398	0.401	3.133		
1,1-Dichloropropene	0.406	0.414	0.407	0.450	0.433	0.432	0.422	0.423	3.784		
2-Butanone (MEK)	✓	✓	0.035	0.035	0.036	0.038	0.039	0.037	5.221		
Benzene	1.310	1.337	1.260	1.335	1.268	1.240	1.169	1.274	4.690		
Heptane	0.220	0.241	0.249	0.272	0.265	0.258	0.242	0.249	6.918		
Propionitrile	✓	0.011	0.009	0.010	0.010	0.010	0.011	0.010	7.848		
Methacrylonitrile	0.037	0.044	0.042	0.050	0.052	0.053	0.052	0.047	13.342		
1,2-Dichloroethane-d4 (Surr)	0.140	0.139	0.118	0.128	0.124	0.118	0.117	0.126	7.693		
1,2-Dichloroethane	0.272	0.279	0.257	0.273	0.268	0.264	0.250	0.266	3.825		
Isobutyl alcohol	✓	✓	0.001	0.002	0.002	0.002	0.003	0.002	31.469	0.996	
Methylcyclohexane	0.559	0.564	0.546	0.585	0.557	0.540	0.498	0.550	4.896		
Trichloroethene	0.299	0.304	0.287	0.307	0.295	0.294	0.282	0.295	3.052		
Dibromomethane	0.096	0.094	0.087	0.096	0.095	0.093	0.087	0.093	4.078		
n-Butanol	✓	0.001	0.001	0.001	0.001	0.001	0.002	0.001	47.949		1.000
1,2-Dichloropropane (CCC)	0.259	0.266	0.255	0.279	0.275	0.276	0.269	0.268	3.390 ✓		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Bromodichloromethane	0.264	0.267	0.256	0.290	0.293	0.307	0.307	0.284	7.454		
1,4-Dioxane	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	20.723	OK BM 3/27/07	
Methyl methacrylate	0.041	0.046	0.046	0.062	0.076	0.090	0.097	0.066	34.615	0.998	
1-Bromo-2-chloroethane	0.230	0.248	0.227	0.256	0.254	0.261	0.263	0.249	5.891		
cis-1,3-Dichloropropene	0.265	0.298	0.303	0.362	0.380	0.404	0.408	0.346	16.453		
2-Chloroethyl vinyl ether	✓	✓	0.036	0.047	0.053	0.061	0.064	0.052	21.905	1.000	
Toluene-d8 (Surr)	0.914	0.954	0.940	1.046	1.018	1.009	0.970	0.979	4.840		
Chlorobenzene-d5 (IS)	ISTD										
Toluene (CCC)	6.547	6.701	6.394	6.958	6.553	6.446	6.406	6.572	3.055 ✓		
Epichlorohydrin	✓	✓	0.031	0.040	0.043	0.045	0.048	0.041	16.305		
2-Nitropropane to be updated →	✓	0.070	0.057	0.071	0.082	0.105	0.135	0.087	33.263		1.000
Tetrachloroethene	1.321	1.336	1.257	1.355	1.285	1.296	1.346	1.314	2.711		
4-Methyl-2-pentanone (MIBK)	✓	0.268	0.254	0.321	0.382	0.435	0.481	0.357	25.672	0.998	
trans-1,3-Dichloropropene	1.013	1.139	1.126	1.381	1.456	1.565	1.659	1.334	18.378		
1,1,2-Trichloroethane	0.741	0.759	0.705	0.771	0.754	0.755	0.787	0.753	3.393		
4-Methyl-2-pentanol (MIBC)	✓	0.024	0.020	0.027	0.037	0.052	0.075	0.039	53.293		1.000
Ethyl methacrylate	0.364	0.429	0.494	0.690	0.859	0.975	1.086	0.700	40.357	0.997	
Dibromochloromethane	0.587	0.639	0.592	0.712	0.751	0.798	0.858	0.705	14.774		
1,3-Dichloropropane	1.491	1.578	1.434	1.572	1.519	1.532	1.563	1.527	3.377		
1,2-Dibromoethane (EDB)	0.564	0.605	0.572	0.650	0.654	0.668	0.709	0.632	8.447		
2-Hexanone	✓	✓	0.123	0.168	0.209	0.254	0.300	0.211	33.024	0.996	
Chlorobenzene (SPCC)	4.028	3.994	3.690	3.941	3.712	3.617	3.454	3.777 ✓	5.710		
1-Chlorohexane	1.908	1.707	1.508	1.572	1.461	1.344	1.260	1.537	14.266		
Ethylbenzene (CCC)	2.152	2.197	2.161	2.331	2.201	2.183	2.134	2.194	2.965 ✓		
1,1,1,2-Tetrachloroethane	1.027	1.046	0.953	1.082	1.067	1.087	1.127	1.056	5.237		
m&p-Xylene	2.557	2.723	2.666	2.873	2.771	2.617	2.338	2.649	6.478		
o-Xylene	2.116	2.267	2.275	2.582	2.498	2.487	2.439	2.380	6.923		
Bromoform (SPCC)	0.226	0.246	0.227	0.281	0.297	0.334	0.365	0.282 ✓	18.939		
Styrene	2.244	2.733	3.072	3.695	3.796	3.845	3.823	3.315	19.307		
Isopropylbenzene	5.553	6.016	6.055	6.735	6.414	6.253	5.951	6.140	6.112		
Bromobenzene	1.030	1.115	1.044	1.149	1.131	1.140	1.160	1.110	4.679		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
n-Propylbenzene	1.431	1.597	1.625	1.777	1.703	1.688	1.636	1.637	6.638		
1,1,2,2-Tetrachloroethane (SPCC)	0.615	0.640	0.566	0.630	0.638	0.638	0.638	0.624 ✓	4.332		
1,4-Bromofluorobenzene (Surr)	1.681	1.560	1.492	1.664	1.615	1.606	1.609	1.604	3.962		
1,4-Dichlorobenzene-d4 (IS)	ISTD										
2-Chlorotoluene	1.194	1.189	1.182	1.257	1.200	1.176	1.155	1.193	2.659		
Cyclohexanone	✓	✓	0.003	0.004	0.004	0.005	0.005	0.004	26.841	0.998	
1,2,3-Trichloropropane	0.183	0.191	0.176	0.188	0.187	0.184	0.185	0.185	2.539		
trans-1,4-Dichloro-2-butene	✓	0.024	0.020	0.030	0.038	0.048	0.059	0.036	40.718		1.000
3-Ethyltoluene	4.313	4.656	4.872	5.341	5.068	4.926	4.562	4.820	7.072		
4-Chlorotoluene	1.119	1.189	1.196	1.265	1.208	1.191	1.172	1.192	3.664		
1,3,5-Trimethylbenzene	3.832	4.086	4.301	4.643	4.419	4.266	3.951	4.214	6.625		
2-Ethyltoluene	4.490	4.696	4.876	5.215	4.986	4.834	4.547	4.806	5.265		
tert-Butylbenzene	2.306	2.418	2.453	2.612	2.432	2.375	2.227	2.403	5.043		
Pentachloroethane	0.331	0.324	0.326	0.354	0.368	0.394	0.401	0.357	9.040		
1,2,4-Trimethylbenzene	3.613	3.850	4.036	4.342	4.201	4.109	3.870	4.003	6.113		
sec-Butylbenzene	5.199	5.461	5.576	5.982	5.649	5.387	5.000	5.465	5.819		
p-Isopropyltoluene	3.657	4.088	4.389	4.771	4.586	4.475	4.125	4.299	8.659		
1,3-Dichlorobenzene	1.987	2.052	1.899	2.015	1.936	1.918	1.878	1.955	3.282		
1,4-Dichlorobenzene	2.130	2.038	1.880	1.999	1.901	1.886	1.845	1.954	5.327		
Benzyl chloride	✓	0.083	0.088	0.120	0.147	0.190	0.215	0.141	38.289	0.996	
n-Butylbenzene	0.832	0.895	0.980	1.105	1.078	1.071	1.014	0.996	10.198		
1,2-Dichlorobenzene	1.529	1.531	1.439	1.547	1.503	1.505	1.511	1.509	2.311		
1,3,5-Trichlorobenzene	1.069	1.112	1.062	1.169	1.164	1.179	1.053	1.115	4.917		
1,2-Dibromo-3-chloropropane (DBCP)	✓	✓	0.034	0.045	0.047	0.057	0.067	0.050	25.186	0.996	
Hexachlorobutadiene	0.478	0.483	0.455	0.476	0.474	0.472	0.444	0.469	2.957		
1,2,4-Trichlorobenzene	0.600	0.643	0.591	0.681	0.704	0.771	0.737	0.675	10.036		
Naphthalene	✓	0.517	0.497	0.675	0.820	1.072	1.118	0.783	34.322	0.998	
1,2,3-Trichlorobenzene	0.369	0.420	0.366	0.438	0.474	0.535	0.509	0.445	14.696		
Tue Mar 27 14:11:51 2007											

Ca 15.7 27

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

"Only worked up: Target Analytes"

I614706.D					SPCC												
	SPIKE	AVG RF	AC	CCV R	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Fluorobenzene (IS)	16.7	######	570702	1.000						0				0.03			
Dichlorodifluoromethane	20	0.434	188564	0.276			-36.46			64				0.04	4.03		
Chloromethane (SPCC)	20	0.409	264776	0.387	0.10		-5.37			95				0.03	2.72		
Vinyl chloride (CCC)	20	0.281	193623	0.283			0.73	20		101				0.04	3.51		
Bromomethane	20	0.132	111148	0.163			23.29			123				0.13	12.78		
Ethylene oxide	250	0.015	162403	0.019			28.85			129				0.07	6.88		
Chloroethane	20	0.242	172584	0.253			4.50			105				0.13	12.96		
Trichlorofluoromethane	20	0.467	287461	0.421			-9.93			90				0.07	6.93		
Ethyl ether	20	0.156	104637	0.153			-2.01			98				0.06	5.88		
Ethanol	500	0.001	7464	0.000			-14.37			86				0.17	17.38		
1,1-Dichloroethene (CCC	20	0.254	152313	0.223			-12.25	20		88				0.03	3.29		
Carbon disulfide	20	0.766	545574	0.798			4.15			104				0.04	4.17		
1,1,2-Trichlorotrifluoroeth	20	0.283	167561	0.245			-13.25			87				0.05	5.22		
Propylene oxide	100	0.023	74460	0.022			-5.67			94				0.08	8.16		
Iodomethane	20	0.240	175912	0.257			7.21			107				0.09	8.88		
Bromoethane	20	0.180	116840	0.171			-4.87			95				0.03	3.47		
Acrolein	100	0.010	42890	0.013			23.25			123				0.15	15.05		
3-Chloropropene	20	0.343	304473	0.445			29.97			130				0.05	5.49		
Methylene chloride	20	0.255	157607	0.231			-9.43			91				0.04	4.39		
Acetone	20	0.021	16214	0.024			13.87			114				0.09	8.94		
trans-1,2-Dichloroethene	20	0.292	169135	0.247			-15.11			85				0.05	5.15		
Methyl acetate	50	0.021	28913	0.017			-18.84			81				0.04	4.31		
Hexane	20	0.115	68133	0.100			-13.67			86				0.04	3.65		
Methyl tert-butyl ether (MT	20	0.434	262398	0.384			-11.62			88				0.09	9.39		
tert-Butyl alcohol	500	0.007	47372	0.003			-59.07			41				1.00	99.63	*	
Acetonitrile	100	0.004	17299	0.005			13.65			114				0.12	12.31		
Isopropyl ether	20	0.745	562250	0.823			10.49			110				0.08	8.47		
2-Chloro-1,3-butadiene	20	0.219	130866	0.191			-12.43			88				0.10	10.44		
1,1-Dichloroethane (SPCC	20	0.545	377208	0.552	0.10		1.30			101				0.04	4.13		
Acrylonitrile	100	0.037	126858	0.037			-0.46			100				0.07	6.83		
Vinyl acetate	20	0.234	184731	0.270			15.36			115				0.17	17.12		
cis-1,2-Dichloroethene	20	0.289	167141	0.245			-15.37			85				0.04	4.45		
2,2-Dichloropropane	20	0.400	274660	0.402			0.42			100				0.08	7.85		
Cyclohexane	20	0.727	386815	0.566			-22.16			78				0.05	4.82		
Bromochloromethane	20	0.118	64482	0.094			-20.05			80				0.04	3.89		
2-Methylhexane	20			0.000			NC								0.00		
Chloroform (CCC)	20	0.463	291395	0.426			-7.88	20		92				0.04	3.97		
Carbon tetrachloride	20	0.320	202766	0.297			-7.38			93				0.03	3.37		
3-Methylhexane	20	0.259	0	0.000			-100.00			0				0.05	4.59		CHECK
Ethyl acetate	100	0.087	293251	0.086			-1.29			99				1.00	99.99	*	
Tetrahydrofuran	20	0.043	37169	0.054			25.65			126				0.13	12.74		
1,1,1-Trichloroethane	20	0.401	258899	0.379			-5.44			95				0.03	3.13		
1,1-Dichloropropene	20	0.423	274179	0.401			-5.24			95				0.04	3.78		
2-Butanone (MEK)	20	0.037	23387	0.034			-6.34			94				0.05	5.22		
Benzene	20	1.274	789013	1.154			-9.39			91				0.05	4.69		
Heptane	20			0.000			NC								0.00		
Propionitrile	100	0.010	36056	0.011			5.22			105				0.08	7.85		
Methacrylonitrile	100	0.047	149542	0.044			-7.12			93				0.13	13.34		
1,2-Dichloroethane	20	0.266	171629	0.251			-5.65			94				0.04	3.83		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I614706.D					SPCC												
	SPIKE	AVG RF	AC	CCV RF	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL			
COMPOUND	(ug/L)				> OR	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F	
Isobutyl alcohol	500	0.003	18774	0.001			-63.54			36				1.00	99.55	*	
Methylcyclohexane	50	0.550	922910	0.540			-1.79			98				0.05	4.90		
Trichloroethene	20	0.295	167238	0.245			-17.16			83				0.03	3.05		
Dibromomethane	20	0.093	50183	0.073			-20.65			79				0.04	4.08		
n-Butanol	1000	0.001	14738	0.000			-62.38			38				1.00	99.98	*	
1,2-Dichloropropane (CC	20	0.268	174348	0.255			-4.93	20		95				0.03	3.39		
Bromodichloromethane	20	0.284	174329	0.255			-10.08			90				0.07	7.45		
1,4-Dioxane	500	0.001	4346	0.000			-53.66			46				0.21	20.72		
Methyl methacrylate	20	0.099	43983	0.064			-34.68			65				1.00	99.80	*	
1-Bromo-2-chloroethane	20	0.249	147950	0.216			-12.89			87				0.06	5.89		
cis-1,3-Dichloropropene	20	0.346	217429	0.318			-7.98			92				0.16	16.45		
2-Chloroethyl vinyl ether	20	0.066	46522	0.068			2.89			103				1.00	99.96	*	
Chlorobenzene-d5 (IS)	16.7	1.000	94955	1.000						100				0.00			
Toluene (CCC)	20	6.572	715840	6.295			-4.22	20		96				0.03	3.05		
Epichlorohydrin	100	0.041	18307	0.032			-22.36			78				0.16	16.30		
2-Nitropropane	20	0.076	8131	0.072			-6.50			93				1.00	99.99	*	
Tetrachloroethene	20	1.314	111868	0.984			-25.13			75				0.03	2.71		
4-Methyl-2-pentanone (M	20	0.488	41522	0.365			-25.24			75				1.00	99.79	*	
trans-1,3-Dichloropropene	20	1.334	147739	1.299			-2.62			97				0.18	18.38		
1,1,2-Trichloroethane	20	0.753	72197	0.635			-15.72			84				0.03	3.39		
4-Methyl-2-pentanol (MIB	100	0.029	8103	0.014			-51.65			48				1.00	100.00	*	
Ethyl methacrylate	20	1.097	77517	0.682			-37.84			62				1.00	99.74	*	
Dibromochloromethane	20	0.705	69689	0.613			-13.10			87				0.15	14.77		
1,3-Dichloropropane	20	1.527	155712	1.369			-10.33			90				0.03	3.38		
1,2-Dibromoethane (EDB	20	0.632	59542	0.524			-17.14			83				0.08	8.45		
2-Hexanone	20	0.310	20129	0.177			-42.98			57				1.00	99.60	*	
Chlorobenzene (SPCC)	20	3.777	365206	3.211	0.30		-14.96			85				0.06	5.71		
1-Chlorohexane	20	1.537	177393	1.560			1.47			101				0.14	14.27		
Ethylbenzene (CCC)	20	2.194	220567	1.940			-11.60	20		88				0.03	2.97		
1,1,1,2-Tetrachloroethane	20	1.056	102539	0.902			-14.59			85				0.05	5.24		
m&p-Xylene	40	2.649	564626	2.483			-6.29			94				0.06	6.48		
o-Xylene	20	2.380	244119	2.147			-9.82			90				0.07	6.92		
Bromoform (SPCC)	20	0.282	25412	0.223	0.10		-20.86			79				0.19	18.94		
Styrene	20	3.315	347999	3.060			-7.70			92				0.19	19.31		
Isopropylbenzene	20	6.140	619010	5.443			-11.34			89				0.06	6.11		
Bromobenzene	20	1.110	100866	0.887			-20.08			80				0.05	4.68		
n-Propylbenzene	20	1.637	158768	1.396			-14.70			85				0.07	6.64		
1,1,2,2-Tetrachloroethane	20	0.624	54399	0.478	0.30		-23.28			77				0.04	4.33		
1,4-Dichlorobenzene-d4 (	16.7	1.000	97674	1.000						100				0.00			
2-Chlorotoluene	20	1.193	125594	1.074			-10.02			90				0.03	2.66		
Cyclohexanone	100	0.006	3692	0.006			11.73			112				1.00	99.79	*	
1,2,3-Trichloropropane	20	0.185	17416	0.149			-19.46			81				0.03	2.54		
trans-1,4-Dichloro-2-buter	20	0.039	2678	0.023			-41.10			59				1.00	99.98	*	
3-Ethyltoluene	20	4.820	545405	4.663			-3.26			97				0.07	7.07		

8260 WATER CALCHECK (FORM VII)-- SOP LIMITS

I614706.D					SPCC											
	SPIKE	AVG RF	AC	CCV R	RF TOL		%DIFFERENCE			CC REC	CCC REC TOL			ICAL		
COMPOUND	(ug/L)				> OR =	P/F	RESULT	TOL (%	P/F	%	LOW	HIGH	P/F		RSD	P/F
4-Chlorotoluene	20	1.191	123985	1.060			-11.04			89				0.04	3.66	
1,3,5-Trimethylbenzene	20	4.214	544856	4.658			10.53			111				0.07	6.63	
2-Ethyltoluene	20	4.806	542197	4.635			-3.56			96				0.05	5.26	
tert-Butylbenzene	20	2.403	266878	2.281			-5.06			95				0.05	5.04	
Pentachloroethane	20	0.357	44517	0.381			6.59			107				0.09	9.04	
1,2,4-Trimethylbenzene	20	4.003	438470	3.748			-6.35			94				0.06	6.11	
sec-Butylbenzene	20	5.465	577810	4.940			-9.61			90				0.06	5.82	
p-Isopropyltoluene	20	4.299	465272	3.978			-7.47			93				0.09	8.66	
1,3-Dichlorobenzene	20	1.955	191636	1.638			-16.20			84				0.03	3.28	
1,4-Dichlorobenzene	20	1.954	186752	1.597			-18.30			82				0.05	5.33	
Benzyl chloride	20	0.220	13131	0.112			-48.88			51				1.00	99.64	*
n-Butylbenzene	20	0.996	104353	0.892			-10.46			90				0.10	10.20	
1,2-Dichlorobenzene	20	1.509	146933	1.256			-16.77			83				0.02	2.31	
1,3,5-Trichlorobenzene	50	1.115	0	0.000			-100.00			0				0.05	4.92	CHECK
1,2-Dibromo-3-chloroprop	20	0.069	3555	0.030			-55.75			44				1.00	99.60	*
Hexachlorobutadiene	20	0.469	40733	0.348			-25.75			74				0.03	2.96	
1,2,4-Trichlorobenzene	20	0.675	53542	0.458			-32.23			68				0.10	10.04	
Naphthalene	20	1.150	51186	0.438			-61.95			38				1.00	99.83	*
1,2,3-Trichlorobenzene	20	0.445	29400	0.251			-43.46			57				0.15	14.70	
Dibromofluoromethane (S	16.7	0.228	133245	0.233			2.21			102	81	110		0.03	3.30	
1,2-Dichloroethane-d4 (S	16.7	0.126	76458	0.134			6.05			106	75	115		0.08	7.69	
Toluene-d8 (Surr)	16.7	0.979	600149	1.052			7.47			107	90	114		0.05		
1,4-Bromofluorobenzene	16.7	1.604	157957	1.663			3.72			104	86	117		0.04		
				Average % differen			-13.53									

Q - Failed criteria
NC-Not Calibrated

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY (Form VIII)

6-15-7m

File ID														BFB TIME IF NOT IN CCAL
Calcheck	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I614706.D	CCV;CCV,i061407	570702			6.165	94955			9.3456	97674			10.939	14 Jun 2007 1:35 pm
Upper Limit		1141404	200			189910	200			195348	200			
Lower Limit		285351	50			47477.5	50			48837	50			

Sample	Sample Name	FB Area	%		RT	CBD5 Area	%		RT	14DCBD4 Area	%		RT	Date/Time
I614707.D	LCS;LCS,i061407	604528	106		6.162	107958	114		9.3427	114014	117		10.936	14 Jun 2007 2:35 pm
I614708.D	LCS;LCS,i061407	603995	106		6.162	107780	114		9.3423	113610	116		10.936	14 Jun 2007 3:00 pm
I614709.D	J0DTN1AD;I7F060169-02MS 20KX,i06140	617588	108		6.166	110318	116		9.3403	117430	120		10.934	14 Jun 2007 4:28 pm
I614710.D	J0DTN1AD;I7F060169-02MSD 20KX,i061	616603	108		6.163	109543	115		9.3431	116520	119		10.936	14 Jun 2007 4:53 pm
I614711.D	BLANK;BLANK	594156	104		6.162	103025	108		9.3428	107009	110		10.936	14 Jun 2007 5:18 pm
I614712.D	BLANK;BLANK	581683	102		6.161	100283	106		9.3418	102055	104		10.935	14 Jun 2007 5:43 pm
I614713.D	BLANK;BLANK,i061407	572634	100		6.166	97483	103		9.3401	99844	102		10.933	14 Jun 2007 6:08 pm
I614714.D	J0DTR1AA;I7F060169-03,74859	582530	102		6.165	101105	106		9.3399	100698	103		10.933	14 Jun 2007 6:33 pm
I614715.D	J0A471AA;I7F050254-02,74859	567710	99		6.166	96616	102		9.3403	94171	96		10.934	14 Jun 2007 6:58 pm
I614716.D	J0A5D1AA;I7F050254-04,74859	565961	99		6.167	96293	101		9.341	98279	101		10.934	14 Jun 2007 7:23 pm
I614717.D	J0DTG1A2;I7F060169-01,74859	563955	99		6.16	102677	108		9.3409	113456	116		10.934	14 Jun 2007 7:48 pm
I614718.D	J0A4E1AA;I7F050254-01,74859	551038	97		6.163	99134	104		9.3437	110343	113		10.937	14 Jun 2007 8:13 pm
I614719.D	J0DTN1AD;I7F060169-02 20KX,i061407	537529	94		6.165	93873	99		9.3399	96293	99		10.933	14 Jun 2007 8:38 pm
I614720.D	;I7F050254-03 20KX	525724	92		6.163	91899	97		9.3432	95548	98		10.937	14 Jun 2007 9:04 pm
I614721.D	JX9N71AE;I7F050121-01,15075	522985	92		6.166	91341	96		9.3405	97392	100		10.934	14 Jun 2007 9:29 pm
I614722.D	J0M881AA;I7F090114-01,58615	502990	88		6.166	84391	89		9.3403	84211	86		10.934	14 Jun 2007 9:54 pm
I614723.D	J0M9A1AA;I7F090114-02,58615	494199	87		6.16	84207	89		9.3409	83264	85		10.934	14 Jun 2007 10:19 pm
I614724.D	J0M9C1AA;I7F090114-03,58615	490126	86		6.162	83473	88		9.343	80374	82		10.936	14 Jun 2007 10:44 pm
I614725.D	J0M9D1AA;I7F090114-04,58615	468819	82		6.166	80145	84		9.3401	78272	80		10.933	14 Jun 2007 11:09 pm
I614726.D	J0M9E1AA;I7F090114-05,58615	478406	84		6.163	82626	87		9.3438	81384	83		10.937	14 Jun 2007 11:34 pm
I614727.D	J0M9F1AA;I7F090114-06,58615	469683	82		6.162	78440	83		9.343	77165	79		10.936	14 Jun 2007 11:59 pm
I614728.D	J0M9G1AA;I7F090114-07,58615	465546	82		6.166	80105	84		9.3403	80328	82		10.934	15 Jun 2007 12:25 am
I614729.D	J0M9H1AA;I7F090114-08,58615	464850	81		6.161	80555	85		9.341	77831	80		10.934	15 Jun 2007 12:50 am
I614730.D	BLANK;BLANK	458373	80		6.165	78326	82		9.3395	75608	77		10.939	15 Jun 2007 1:15 am
I614731.D	BLANK;BLANK	465175	82		6.163	80098	84		9.3439	79641	82		10.937	15 Jun 2007 1:40 am
I614732.D	BLANK;BLANK,i061407	453204	79		6.166	76646	81		9.3402	75349	77		10.934	15 Jun 2007 2:05 am
I614733.D	JX8CC1AD;I7F040165-01,MBTEXT	446413	78		6.163	75613	80		9.3434	73319	75		10.937	15 Jun 2007 2:30 am
I614734.D	JX8CN1AA;I7F040165-02,MBTEXT	476695	84		6.163	82466	87		9.3433	83348	85		10.937	15 Jun 2007 2:55 am
I614735.D	JX8CN1AA;I7F040165-03 2X,MBTEXT	486634	85		6.166	84076	89		9.3407	87344	89		10.934	15 Jun 2007 3:20 am
I614736.D	JX8C31AA;I7F040165-04 500X,MBTEXT	477771	84		6.166	83779	88		9.3402	89216	91		10.933	15 Jun 2007 3:45 am

QC & Sample Data

STL AUSTIN

MSVOA DATA REVIEW CHECK LIST

Lot Numbers / Lab Sample Numbers / Batch Numbers / HBN Numbers

7166158 - 8260

7166167 - 624

Horizon Samples Only

MDL Date:

Analyst DOC Date:

Method / Queue: 624 / 8260B

Instrument ID: MSI

Analysis Date: 6-19-07

ICAL Date: 3-26-07

Review Item	YES	NO	N/A	2nd Review
Tuning				
BFB tuning criteria met	/			/
Mass list, RIC, and mass spectrum included	/			/
Correct BFB included with analytical runs	/			/
12 hour (8260) / 24 hour (624) clock requirements met	/			/
Initial Calibration				
RRF and %RSD within acceptance limits	/			/
Runs checked for saturation	/			/
Second source check standard analyzed successfully	/			/
Continuing Calibration				
RRF and % Difference within acceptance criteria	/			/
Sample Analysis				
Sample name and header information correct	/			/
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	/			/
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	/			/
Surrogate recoveries within limits	/			/
Quantified against appropriate standard	/			/
Run(s) within linear range		/		/
Sample hold times met	/			/
Target analyte list match	/			/
Quality Control Samples				
Method blanks analyzed at required frequency	/			/
Method blanks less than reporting limits	/			/
LCS (LCSD) spike % recoveries and RPDs within limits		/		/
MS/MSD spike % recoveries within limits		/		/
MS/MSD/DUPs RPD within limits		/		/
Other				
All nonconformances written	/			/
Required forms completed (CCV and IS macro forms)	/			/
Correct methodology used	/			/
All unused analyses noted on the sequence with the reason	/			/
Transcriptions checked for accuracy	/			/
All calculations checked at minimum frequency			/	/
Data checked for potential false positive and false negative results	/			/
Manual integration checked by 2nd reviewer			/	/
Units checked	/			/

Comment on any "NO" response:

Analyst: G. Zmy Date:

2nd Review: DW Date: 6-18-07

8260B

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

****
* QC BATCH: 7166158 *
****

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

Reviewer/Date: _____ / 0/00/00

Volatile Organics, GC/MS (8260B)
PURGE AND TRAP - 15 mL purge (Waters)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	6/20/07	I7F050121-001 7166098 JX9N7-1-AE		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-001 7166098 J0A4E-1-A2	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-002 7166098 J0A47-1-AA	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/19/07	I7F050254-004 7166098 J0A5D-1-AA	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-001 7166098 J0DTG-1-A2	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-002 7166098 J0DTN-1-AD	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-002 7166098 J0DTN-1-A3S	D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															

8260B

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

QC BATCH: 7166158

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	6/20/07	I7F060169-002 J0DTN-1-A4D	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/20/07	I7F060169-003 J0DTR-1-AA	7166098 D	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-001 J0M88-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-002 J0M9A-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-003 J0M9C-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-004 J0M9D-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-005 J0M9E-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-006 J0M9F-1-AF	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-007 J0M9G-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	6/22/07	I7F090114-008 J0M9H-1-AA	7166098	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															

826073

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/15/07
Time: 8:06:30

QC BATCH: 7166158

PREP DATE: 6/14/07 1:35
COMP DATE: 6/14/07 19:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	0/00/00	I7F150000-158 J033D-1-AAB		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F150000-158 J033D-1-ACC		C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															
0/00/00	0/00/00	I7F150000-158 J033D-1-ADL	R	C6	QK	WATER	15mL 15.00mL	NA	NA	NA		.0		.0	07MSV0444,451,452 07MSV437IS 07MSV0438SUR
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 20

STL AUSTIN

INSTRUMENT GCMS-11
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME: 0135

ANALYST / DATE: 6-14-7pm
METHOD / TEST: 8260B 16 24
SOP #: AUS-MS-0004, current revision

DAILY CHECK Y	COLUMN CHANGED N	P&T MAINT. (Describe) N	
M PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N/A

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, etc. Column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: Atune.u
Elect Mult. 1118 volts
Tuning Performance: BFB
Sampling Rate 2^ 4
Scan Range 35-300 amu
Interface: Open-Split

GC PROGRAM:

GC Meth. I 70326W
Inj. Temp 150 C
Carrier Gas: Helium
Flow/Pressure 1.3
Initial Temp. 35 C
Init.Hold 2 min
Ramp 9 C/min
Final Temp. 85 C
Final Hold 0 min
2nd Ramp 30 C/min
2nd Temp 210 C
2nd Hold 4 min
3rd Ramp C/min
3rd Temp C
3rd Hold min

GC COLUMN:

Column ID#: MSVOAID 010
Phases/Loadings: RTXVMS
Capillary i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap Tekmar Velocity/Solatek
Split 120:1 Splitless

INSTRUMENT SE(
Sample Name, Samp

I614701	I70326W	BLANK;BLANK
I614702	I70326W	BLANK;BLANK
I614703	I70326W	BLANK;BLANK
I614704	I70326W	BLANK;BLANK
I614705	I70326W	BLANK;BLANK
I614706	I70326W	CCV;CCV 0135pm
I614707	I70326W	LCS;LCS
I614708	I70326W	LCS;LCS
I614709	I70326W	J0DTN1AD;I7F060169-02MS 20KX 7166155
I614710	I70326W	J0DTN1AD;I7F060169-02MSD 20KX
I614711	I70326W	BLANK;BLANK
I614712	I70326W	BLANK;BLANK
I614713	I70326W	BLANK;BLANK
I614714	I70326W	J0DTR1AA;I7F060169-03,74859
I614715	I70326W	J0A471AA;I7F050254-02,74859
I614716	I70326W	J0A5D1AA;I7F050254-04,74859
I614717	I70326W	J0DTG1A2;I7F060169-01,74859
I614718	I70326W	J0A4E1AA;I7F050254-01,74859
I614719	I70326W	J0DTN1AD;I7F060169-02 20KX WCRRIX
I614720	I70326W	~~J0A5A1A2;I7F050254-03 20KX RR20KX Chem~~
I614721	I70326W	JX9N71AE;I7F050121-01,15075
I614722	I70326W	J0M881AA;I7F090114-01,58615
I614723	I70326W	J0M9A1AA;I7F090114-02,58615
I614724	I70326W	J0M9C1AA;I7F090114-03,58615
I614725	I70326W	J0M9D1AA;I7F090114-04,58615
I614726	I70326W	J0M9E1AA;I7F090114-05,58615
I614727	I70326W	J0M9F1AA;I7F090114-06,58615
I614728	I70326W	J0M9G1AA;I7F090114-07,58615
I614729	I70326W	J0M9H1AA;I7F090114-08,58615
I614730	I70326W	BLANK;BLANK 1250am
I614731	I70326W	BLANK;BLANK
I614732	I70326W	BLANK;BLANK 8260- out 4BFDRIX
I614733	I70326W	JX8CC1AD;JX8CC1AE;I7F040168-0 7166167
I614734	I70326W	JX8CN1AA;I7F040168-02,MBTEXT
I614735	I70326W	JX8C[illegible]1AA;I7F040168-03 2X,MBTE
I614736	I70326W	JX8C31AA;I7F040168-04 500X,MB 624

0345am

6-15-7pm

6-15-7pm

Sequence Name: C:\HPCHEM\1\SEQUENCE\I061407.S
Comment:
Operator: DY
Data Path: C:\HPCHEM\1\DATA\I061407.B\
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	Blank	1	I614701	I70326W	~~BLANK;BLANK~~
2	Blank	2	I614702	I70326W	~~BLANK;BLANK~~
3	Blank	3	I614703	I70326W	~~BLANK;BLANK~~
4	Blank	4	I614704	I70326W	~~BLANK;BLANK~~
5	Blank	5	I614705	I70326W	~~BLANK;BLANK~~
6	Blank	6	I614706	I70326W	CCV;CCV 0135pm
7	Blank	7	I614707	I70326W	LCS;LCS
8	Blank	8	I614708	I70326W	LCS;LCS
9	Blank	9	I614709	I70326W	J0DTN1AD;I7F060169-02MS 20KX 7166155
10	Blank	10	I614710	I70326W	J0DTN1AD;I7F060169-02MSD 20KX
11	Blank	11	I614711	I70326W	~~BLANK;BLANK~~
12	Blank	12	I614712	I70326W	~~BLANK;BLANK~~
13	Blank	13	I614713	I70326W	BLANK;BLANK
14	Blank	14	I614714	I70326W	J0DTR1AA;I7F060169-03,74859
15	Blank	15	I614715	I70326W	J0A471AA;I7F050254-02,74859
16	Blank	16	I614716	I70326W	J0A5D1AA;I7F050254-04,74859
17	Blank	17	I614717	I70326W	J0DTG1A2;I7F060169-01,74859
18	Blank	18	I614718	I70326W	J0A4E1A2;I7F050254-01,74859
19	Blank PARENT	19	I614719	I70326W	J0DTN1AD;I7F060169-02 20KX WCRRIX
20	Blank	20	I614720	I70326W	~~J0A5A1A2;I7F050254-03 20KX~~ ~~RR20KX Chan~~
21	Blank	21	I614721	I70326W	JX9N71AE;I7F050121-01,15075
22	Blank	22	I614722	I70326W	J0M881AA;I7F090114-01,58615
23	Blank	23	I614723	I70326W	J0M9A1AA;I7F090114-02,58615
24	Blank	24	I614724	I70326W	J0M9C1AA;I7F090114-03,58615
25	Blank	25	I614725	I70326W	J0M9D1AA;I7F090114-04,58615
26	Blank	26	I614726	I70326W	J0M9E1AA;I7F090114-05,58615
27	Blank	27	I614727	I70326W	J0M9F1AA;I7F090114-06,58615
28	Blank	28	I614728	I70326W	J0M9G1AA;I7F090114-07,58615
29	Blank	29	I614729	I70326W	J0M9H1AA;I7F090114-08,58615
30	Blank	30	I614730	I70326W	~~BLANK;BLANK~~ 1250am
31	Blank	31	I614731	I70326W	~~BLANK;BLANK~~
32	Blank	32	I614732	I70326W	~~BLANK;BLANK~~ - 8260 - out 9BFBRRIX
33	Blank	33	I614733	I70326W	JX8CC1AD;JX8CC1AE;I7F040162-0 7166
34	Blank	34	I614734	I70326W	JX8CN1AA;I7F040162-02,MBTEXT
35	Blank	35	I614735	I70326W	JX8CN1AA;I7F040162-03 2X,MBTE
36	Blank	36	I614736	I70326W	JX8C31AA;I7F040162-04 500X,MB
37					0345am 624

6-15-7 M

Quantitation Report (QT Reviewed)

6-15-07

Data File : H:\MSI.I\I061407.B\I614706.D
Acq On : 14 Jun 2007 1:35 pm
Sample : CCV;CCV,i061407
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107

Vial: 6
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	570702	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.35	119	94955	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	97674	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	133245	17.0691 PPB	-0.04
Spiked Amount 16.700			Recovery	= 102.22%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	76458	17.7107 PPB	-0.04
Spiked Amount 16.700			Recovery	= 106.05%	
64) Toluene-d8 (Surr)	7.98	98	600149	17.9469 PPB	-0.01
Spiked Amount 16.700			Recovery	= 107.49%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	157957	17.3215 PPB	-0.02
Spiked Amount 16.700			Recovery	= 103.71%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	188564	12.7082 PPB	S	99
3) Chloromethane (SPCC)	1.65	50	264776	18.9260 PPB	S	99
4) Vinyl chloride (CCC)	1.74	62	193623	20.1454 PPB	S	99
5) Bromomethane	2.06	94	111148	24.6590 PPB	S	100
6) Ethylene oxide	2.16	44	162403	322.1146 PPB	S	98
7) Chloroethane	2.19	64	172584	20.9001 PPB	S	97
8) Trichlorofluoromethane	2.34	101	287461	18.0137 PPB	S	92
9) Ethyl ether	2.66	59	104637	19.5980 PPB	S	93
10) Ethanol	2.86	45	7464	428.1339 PPB	S	98
11) 1,1-Dichloroethene (CCC)	2.85	96	152313	17.5493 PPB	# S	84
12) Carbon disulfide	2.86	76	545574	20.8299 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	167561	17.3491 PPB		97
14) Propylene oxide	2.98	58	74460	94.3308 PPB	#	96
15) Iodomethane	2.98	142	175912	21.4428 PPB		96
16) Bromoethane	3.11	108	116840	19.0263 PPB		100
17) Acrolein	3.20	56	42890	123.2508 PPB		98
18) 3-Chloropropene	3.34	41	304473	25.9949 PPB		94
19) Methylene chloride	3.45	84	157607	18.1139 PPB	#	69
20) Acetone	3.51	43	16214	22.7743 PPB		93
21) trans-1,2-Dichloroethene	3.61	96	169135	16.9776 PPB		86
22) Methyl acetate	3.64	74	28913	40.5806 PPB	#	100
23) Hexane	3.70	86	68133	17.2657 PPB	#	67
24) Methyl tert-butyl ether (M	3.73	73	262398	17.6751 PPB	#	67
25) tert-Butyl alcohol	3.85	59	47372	266.5674 PPB	#	34
26) Acetonitrile	3.98	40	17299	113.6485 PPB	#	100
27) Isopropyl ether	4.13	45	562250	22.0979 PPB		94
28) 2-Chloro-1,3-butadiene	4.22	88	130866	17.5148 PPB	#	77
29) 1,1-Dichloroethane (SPCC)	4.24	63	377208	20.2606 PPB		98
30) Acrylonitrile	4.30	53	126858	99.5359 PPB	#	100
31) Vinyl acetate	4.52	43	184731	23.0723 PPB	#	86
32) cis-1,2-Dichloroethene	4.80	96	167141	16.9262 PPB		88
33) 2,2-Dichloropropane	4.91	77	274660	20.0846 PPB	#	100
34) Cyclohexane	5.00	56	386815	15.5679 PPB		94
35) Bromochloromethane	5.01	130	64482	15.9901 PPB	#	62
37) Chloroform (CCC)	5.10	83	291395	18.4232 PPB	#	84
38) Carbon tetrachloride	5.23	117	202766	18.5239 PPB		99
40) Ethyl acetate	5.25	43	293251	91.7059 PPB		70
41) Tetrahydrofuran	5.25	42	37169	25.1302 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	258899	18.9117 PPB		97
44) 1,1-Dichloropropene	5.44	75	274179	18.9519 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.44	43	23387	18.7316	PPB		100
46)	Benzene	5.70	78	789013	18.1213	PPB		97
48)	Propionitrile	5.75	54	36056	105.2240	PPB	#	1
49)	Methacrylonitrile	5.76	67	149542	92.8801	PPB	#	73
51)	1,2-Dichloroethane	5.93	62	171629	18.8708	PPB		98
52)	Isobutyl alcohol	6.00	43	18774	310.8061	PPB		92
53)	Methylcyclohexane	6.34	83	922910	49.1058	PPB		89
54)	Trichloroethene	6.35	130	167238	16.5672	PPB		95
55)	Dibromomethane	6.83	93	50183	15.8702	PPB		95
56)	n-Butanol	6.80	56	14738	454.1842	ug/L	#	78
57)	1,2-Dichloropropane (CCC)	6.94	63	174348	19.0134	PPB		91
58)	Bromodichloromethane	7.03	83	174329	17.9846	PPB		98
59)	1,4-Dioxane	7.29	88	4346	231.7225	PPB	#	69
60)	Methyl methacrylate	7.25	69	43983	15.6500	PPB		79
61)	1-Bromo-2-chloroethane	7.58	63	147950	17.4211	PPB		91
62)	cis-1,3-Dichloropropene	7.78	75	217429	18.4048	PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	46522	23.7245	PPB		92
66)	Toluene (CCC)	8.03	91	715840	19.1556	PPB		98
67)	Epichlorohydrin	8.06	57	18307	77.6403	PPB	#	30
68)	2-Nitropropane	8.27	43	8131	17.4153	PPB	#	100
69)	Tetrachloroethene	8.40	164	111868	14.9750	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	41522	17.9709	PPB	#	77
71)	trans-1,3-Dichloropropene	8.45	75	147739	19.4768	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	72197	16.8550	PPB		93
73)	4-Methyl-2-pentanol (MIBC)	8.62	45	8103	48.5890	PPB	#	100
74)	Ethyl methacrylate	8.62	69	77517	15.1748	PPB		88
75)	Dibromochloromethane	8.74	129	69689	17.3810	PPB		100
76)	1,3-Dichloropropane	8.82	76	155712	17.9349	PPB		87
77)	1,2-Dibromoethane (EDB)	8.93	107	59542	16.5725	PPB		99
78)	2-Hexanone	9.14	43	20129	16.7154	PPB		82
79)	Chlorobenzene (SPCC)	9.36	112	365206	17.0073	PPB		93
80)	1-Chlorohexane	9.35	55	177393	20.2947	PPB		92
81)	Ethylbenzene (CCC)	9.38	106	220567	17.6798	PPB		74
82)	1,1,1,2-Tetrachloroethane	9.41	131	102539	17.0821	PPB	#	1
83)	m&p-Xylene	9.49	106	564626	37.4833	PPB		94
84)	o-Xylene	9.81	106	244119	18.0363	PPB		94
85)	Bromoform (SPCC)	9.86	173	25412	15.8279	PPB		100
86)	Styrene	9.84	104	347999	18.4599	PPB		96
87)	Isopropylbenzene	10.03	105	619010	17.7320	PPB		97
88)	Bromobenzene	10.29	156	100866	15.9836	PPB	#	47
89)	n-Propylbenzene	10.31	120	158768	17.0600	PPB	#	78
90)	1,1,2,2-Tetrachloroethane	10.36	83	54399	15.3432	PPB		97
93)	2-Chlorotoluene	10.41	126	125594	17.9962	PPB	#	86
94)	Cyclohexanone	10.48	42	3692	132.5916	PPB	#	71
95)	1,2,3-Trichloropropane	10.45	110	17416	16.1073	PPB	#	77
96)	trans-1,4-Dichloro-2-buten	10.47	89	2678	12.9582	PPB	#	1
97)	3-Ethyltoluene	10.37	105	545405	19.3486	PPB	#	51
98)	4-Chlorotoluene	10.52	126	123985	17.7915	PPB	#	83
99)	1,3,5-Trimethylbenzene	10.37	105	544856	22.1065	PPB		94
100)	2-Ethyltoluene	10.57	105	542197	19.2882	PPB	#	97
101)	tert-Butylbenzene	10.64	91	266878	18.9876	PPB		91
102)	Pentachloroethane	10.66	167	44517	21.3188	PPB	#	95
103)	1,2,4-Trimethylbenzene	10.68	105	438470	18.7292	PPB		97
104)	sec-Butylbenzene	10.75	105	577810	18.0770	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	465272	18.5061	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

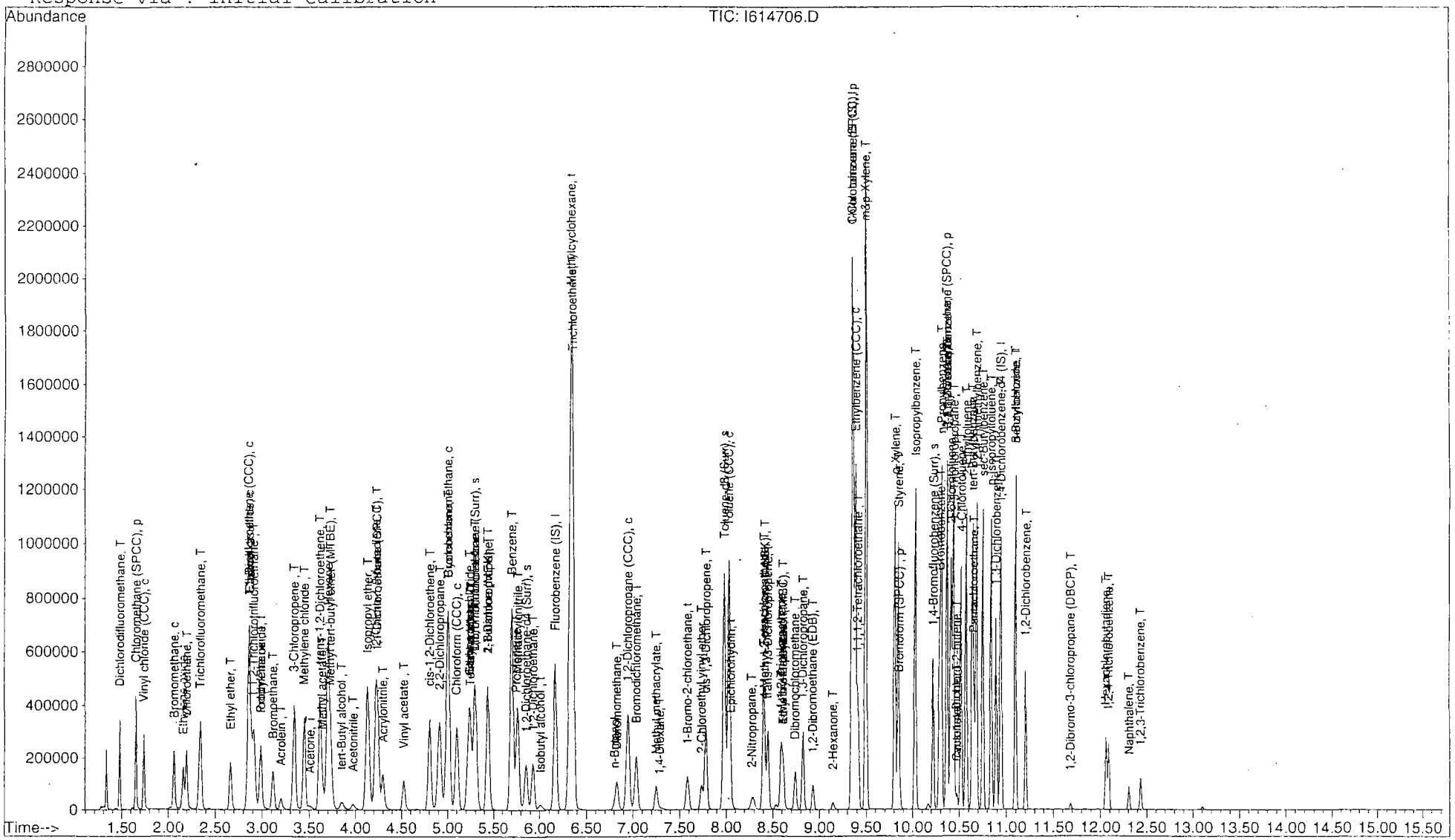
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
106) 1,3-Dichlorobenzene	10.89	146	191636	16.7591 PPB	#	76
107) 1,4-Dichlorobenzene	10.94	146	186752	16.3391 PPB	#	100
108) Benzyl chloride	11.10	126	13131	14.2849 PPB	#	1
109) n-Butylbenzene	11.10	134	104353	17.9080 PPB		88
110) 1,2-Dichlorobenzene	11.21	146	146933	16.6463 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	3555	13.5015 PPB	#	1
113) Hexachlorobutadiene	12.06	225	40733	14.8503 PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	53542	13.5539 PPB		99
115) Naphthalene	12.31	128	51186	10.9480 PPB		98
116) 1,2,3-Trichlorobenzene	12.43	180	29400	11.3078 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614706.D Vial: 6
Acq On : 14 Jun 2007 1:35 pm Operator: DY
Sample : CCV;CCV,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451, 452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:50 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-7 [illegible]

Data File : H:\MSI.I\I061407.B\I614707.D
Acq On : 14 Jun 2007 2:35 pm
Sample : LCS,LCS,i061407
Misc : 1,1, 07MSV0444,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107

Vial: 7
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

RW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	604528	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	107958	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	114014	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	140162	16.9506 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.50%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	80955	17.7031 PPB	-0.04
Spiked Amount 16.700			Recovery	= 105.99%	
64) Toluene-d8 (Surr)	7.97	98	658166	18.5805 PPB	-0.02
Spiked Amount 16.700			Recovery	= 111.26%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	183111	17.6614 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.75%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	192168	12.2264 PPB	S	98
3) Chloromethane (SPCC)	1.66	50	270495	18.2529 PPB	S	98
4) Vinyl chloride (CCC)	1.73	62	199120	19.5581 PPB	S	99
5) Bromomethane	2.06	94	109363	22.9053 PPB	S	99
6) Ethylene oxide	2.15	44	174011	325.8262 PPB	S	99
7) Chloroethane	2.19	64	180650	20.6528 PPB	S	97
8) Trichlorofluoromethane	2.34	101	302403	17.8897 PPB	S	92
9) Ethyl ether	2.66	59	114084	20.1718 PPB	S	92
10) Ethanol	2.85	45	10136	548.8675 PPB	S	94
11) 1,1-Dichloroethene (CCC)	2.85	96	163935	17.8315 PPB	S	85
12) Carbon disulfide	2.87	76	581985	20.9768 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.90	101	178103	17.4087 PPB		97
14) Propylene oxide	2.98	58	82532	98.7065 PPB	#	96
15) Iodomethane	2.99	142	182112	20.9565 PPB		97
16) Bromoethane	3.12	108	122942	18.8998 PPB		100
17) Acrolein	3.20	56	48152	130.6294 PPB		98
18) 3-Chloropropene	3.34	41	322300	25.9773 PPB		94
19) Methylene chloride	3.44	84	166793	18.0970 PPB	#	70
20) Acetone	3.50	43	17715	23.4903 PPB		93
21) trans-1,2-Dichloroethene	3.61	96	177821	16.8507 PPB		88
22) Methyl acetate	3.64	74	32540	43.1157 PPB	#	100
23) Hexane	3.70	86	72516	17.3481 PPB	#	65
24) Methyl tert-butyl ether (M	3.73	73	296422	18.8497 PPB	#	72
25) tert-Butyl alcohol	3.85	59	76797	375.1259 PPB	#	61
26) Acetonitrile	3.97	40	19516	121.0393 PPB	#	100
27) Isopropyl ether	4.13	45	617443	22.9093 PPB		94
28) 2-Chloro-1,3-butadiene	4.22	88	141815	17.9182 PPB	#	77
29) 1,1-Dichloroethane (SPCC)	4.24	63	400880	20.3273 PPB		99
30) Acrylonitrile	4.30	53	140129	103.7965 PPB	#	99
31) Vinyl acetate	4.52	43	207404	24.4547 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	176213	16.8464 PPB		88
33) 2,2-Dichloropropane	4.91	77	293540	20.2641 PPB	#	100
34) Cyclohexane	5.00	56	412755	15.6824 PPB		94
35) Bromochloromethane	5.01	130	70302	16.4579 PPB	#	64
37) Chloroform (CCC)	5.10	83	312404	18.6463 PPB	#	85
38) Carbon tetrachloride	5.23	117	221026	19.0623 PPB		99
40) Ethyl acetate	5.24	43	337429	98.8743 PPB		74
41) Tetrahydrofuran	5.25	42	41694	26.6122 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	279250	19.2569 PPB		97
44) 1,1-Dichloropropene	5.43	75	295696	19.2955 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.43	43	26980	20.4002	PPB		97
46)	Benzene	5.70	78	854218	18.5211	PPB		97
48)	Propionitrile	5.74	54	41654	114.7590	PPB	#	1
49)	Methacrylonitrile	5.76	67	167260	98.0719	PPB	#	73
51)	1,2-Dichloroethane	5.92	62	185496	19.2543	PPB		98
52)	Isobutyl alcohol	6.00	43	30254	405.8356	PPB		94
53)	Methylcyclohexane	6.33	83	981105	49.2813	PPB		90
54)	Trichloroethene	6.35	130	183604	17.1708	PPB		95
55)	Dibromomethane	6.83	93	54646	16.3146	PPB		96
56)	n-Butanol	6.79	56	28260	717.8932	ug/L		84
57)	1,2-Dichloropropane (CCC)	6.95	63	191015	19.6654	PPB		89
58)	Bromodichloromethane	7.03	83	194497	18.9425	PPB		98
59)	1,4-Dioxane	7.29	88	7401	372.5305	PPB		81
60)	Methyl methacrylate	7.24	69	49589	16.4909	PPB		79
61)	1-Bromo-2-chloroethane	7.58	63	169170	18.8051	PPB		92
62)	cis-1,3-Dichloropropene	7.78	75	248518	19.8593	PPB		91
63)	2-Chloroethyl vinyl ether	7.73	63	54579	25.9375	PPB		93
66)	Toluene (CCC)	8.03	91	798705	18.7988	PPB		98
67)	Epichlorohydrin	8.05	57	22523	84.0155	PPB	#	41
68)	2-Nitropropane	8.27	43	9709	18.1502	PPB	#	100
69)	Tetrachloroethene	8.40	164	126117	14.8490	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	50811	19.1120	PPB	#	86
71)	trans-1,3-Dichloropropene	8.45	75	175436	20.3425	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	84705	17.3933	PPB		94
73)	4-Methyl-2-pentanol (MIBC)	8.53	45	18286	82.4590	PPB	#	100
74)	Ethyl methacrylate	8.61	69	96083	16.2964	PPB		86
75)	Dibromochloromethane	8.74	129	83660	18.3523	PPB		99
76)	1,3-Dichloropropane	8.82	76	183075	18.5468	PPB		89
77)	1,2-Dibromoethane (EDB)	8.93	107	71339	17.4644	PPB		99
78)	2-Hexanone	9.14	43	26522	18.5274	PPB		78
79)	Chlorobenzene (SPCC)	9.35	112	423230	17.3356	PPB		94
80)	1-Chlorohexane	9.35	55	202939	20.4209	PPB		94
81)	Ethylbenzene (CCC)	9.38	106	255475	18.0114	PPB		76
82)	1,1,1,2-Tetrachloroethane	9.41	131	123169	18.0474	PPB	#	1
83)	m&p-Xylene	9.49	106	651122	38.0192	PPB		95
84)	o-Xylene	9.80	106	288386	18.7406	PPB		95
85)	Bromoform (SPCC)	9.86	173	31589	17.3055	PPB		98
86)	Styrene	9.84	104	416778	19.4455	PPB		96
87)	Isopropylbenzene	10.02	105	734034	18.4944	PPB		97
88)	Bromobenzene	10.29	156	120988	16.8630	PPB	#	85
89)	n-Propylbenzene	10.30	120	189239	17.8851	PPB	#	81
90)	1,1,2,2-Tetrachloroethane	10.36	83	68353	16.9569	PPB		98
93)	2-Chlorotoluene	10.41	126	148127	18.1831	PPB	#	85
94)	Cyclohexanone	10.47	42	4540	138.5640	PPB	#	76
95)	1,2,3-Trichloropropane	10.44	110	21980	17.4150	PPB		96
96)	trans-1,4-Dichloro-2-buten	10.47	89	3802	15.1750	PPB	#	1
97)	3-Ethyltoluene	10.36	105	650940	19.7830	PPB	#	97
98)	4-Chlorotoluene	10.52	126	147148	18.0892	PPB	#	85
99)	1,3,5-Trimethylbenzene	10.36	105	650986	22.6272	PPB		77
100)	2-Ethyltoluene	10.57	105	648188	19.7541	PPB	#	96
101)	tert-Butylbenzene	10.64	91	316322	19.2800	PPB		93
102)	Pentachloroethane	10.66	167	55726	22.8621	PPB	#	89
103)	1,2,4-Trimethylbenzene	10.68	105	526734	19.2749	PPB		97
104)	sec-Butylbenzene	10.75	105	685064	18.3609	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	555895	18.9419	PPB	#	70

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

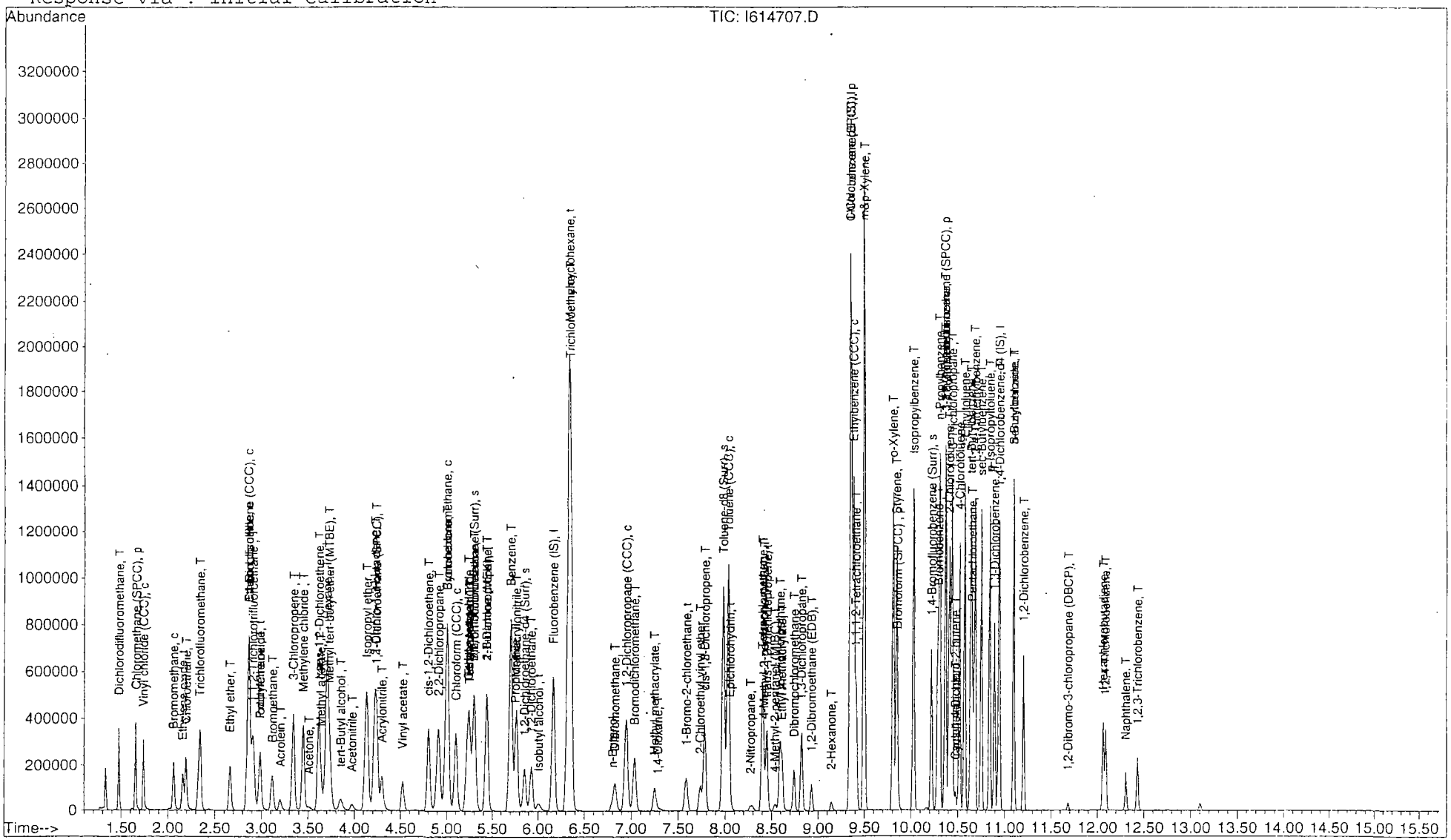
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
106) 1,3-Dichlorobenzene	10.89	146	231303	17.3291	PPB		99
107) 1,4-Dichlorobenzene	10.95	146	223967	16.7868	PPB	#	99
108) Benzyl chloride	11.10	126	17134	15.4897	PPB	#	1
109) n-Butylbenzene	11.09	134	122627	18.0281	PPB	#	86
110) 1,2-Dichlorobenzene	11.20	146	174982	16.9830	PPB		99
112) 1,2-Dibromo-3-chloropropan	11.68	157	4908	15.1186	PPB	#	1
113) Hexachlorobutadiene	12.06	225	56246	17.5671	PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	81237	17.6175	PPB		99
115) Naphthalene	12.30	128	93964	15.3053	PPB		99
116) 1,2,3-Trichlorobenzene	12.43	180	54199	17.8584	PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614707.D Vial: 7
Acq On : 14 Jun 2007 2:35 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:43 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



165

Quantitation Report (QT Reviewed) 6-15-07 166

Data File : H:\MSI.I\I061407.B\I614708.D Vial: 8
Acq On : 14 Jun 2007 3:00 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	603995	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	107780	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	113610	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	137774	16.6765 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.88%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	77717	17.0100 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.86%	
64) Toluene-d8 (Surr)	7.97	98	647391	18.2925 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.52%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	181151	17.5012 PPB	-0.02
Spiked Amount 16.700			Recovery	= 104.79%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	195637	12.4581 PPB	S	98
3) Chloromethane (SPCC)	1.66	50	290310	19.6073 PPB	S	99
4) Vinyl chloride (CCC)	1.73	62	208572	20.5045 PPB	S	99
5) Bromomethane	2.06	94	119952	25.1453 PPB	S	99
6) Ethylene oxide	2.15	44	177025	331.7623 PPB	S	99
7) Chloroethane	2.19	64	193115	22.0974 PPB	S	98
8) Trichlorofluoromethane	2.34	101	317877	18.8217 PPB	S	96
9) Ethyl ether	2.66	59	122850	21.7409 PPB	S	93
10) Ethanol	2.84	45	11353	615.3109 PPB	S	92
11) 1,1-Dichloroethene (CCC)	2.85	96	177281	19.3001 PPB	S	85
12) Carbon disulfide	2.87	76	593436	21.4084 PPB	S	97
13) 1,1,2-Trichlorotrifluoroet	2.90	101	185335	18.1316 PPB		97
14) Propylene oxide	2.98	58	87372	104.5873 PPB	#	94
15) Iodomethane	2.99	142	195986	22.5729 PPB		96
16) Bromoethane	3.11	108	132501	20.3873 PPB		100
17) Acrolein	3.20	56	49785	135.1787 PPB		98
18) 3-Chloropropene	3.34	41	349053	28.1584 PPB		94
19) Methylene chloride	3.44	84	177679	19.2951 PPB	#	70
20) Acetone	3.51	43	19306	25.6226 PPB		90
21) trans-1,2-Dichloroethene	3.61	96	189439	17.9675 PPB		87
22) Methyl acetate	3.64	74	34551	45.8207 PPB	#	100
23) Hexane	3.70	86	72899	17.4551 PPB	#	63
24) Methyl tert-butyl ether (M	3.73	73	320809	20.4185 PPB		80
25) tert-Butyl alcohol	3.85	59	87016	417.1174 PPB	#	68
26) Acetonitrile	3.97	40	20155	125.1127 PPB	#	100
27) Isopropyl ether	4.13	45	676403	25.1191 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	153156	19.3682 PPB	#	79
29) 1,1-Dichloroethane (SPCC)	4.24	63	432224	21.9360 PPB		98
30) Acrylonitrile	4.29	53	148498	110.0927 PPB	#	98
31) Vinyl acetate	4.52	43	223858	26.4180 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	189281	18.1117 PPB		88
33) 2,2-Dichloropropane	4.91	77	317702	21.9514 PPB	#	100
34) Cyclohexane	5.00	56	437032	16.6195 PPB		94
35) Bromochloromethane	5.01	130	75192	17.6182 PPB	#	67
37) Chloroform (CCC)	5.10	83	336156	20.0816 PPB	#	86
38) Carbon tetrachloride	5.23	117	238145	20.5568 PPB		98
40) Ethyl acetate	5.24	43	362077	105.4778 PPB		74
41) Tetrahydrofuran	5.25	42	44845	28.6487 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	302528	20.8805 PPB		97
44) 1,1-Dichloropropene	5.43	75	314297	20.5274 PPB		88

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614708.D
Acq On : 14 Jun 2007 3:00 pm
Sample : LCS;LCS,i061407
Misc : 1,1, 07MSV0444,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107

Vial: 8
Operator: DY
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45) 2-Butanone (MEK)	5.43	43	28813	21.8054 PPB		98
46) Benzene	5.70	78	924556	20.0638 PPB		98
48) Propionitrile	5.74	54	45957	126.7257 PPB	#	31
49) Methacrylonitrile	5.76	67	175140	102.7829 PPB	#	74
51) 1,2-Dichloroethane	5.92	62	194916	20.2499 PPB		98
52) Isobutyl alcohol	6.00	43	34590	445.8605 PPB		95
53) Methylcyclohexane	6.33	83	1014875	51.0225 PPB		89
54) Trichloroethene	6.35	130	196180	18.3631 PPB		96
55) Dibromomethane	6.82	93	57433	17.1618 PPB		96
56) n-Butanol	6.79	56	33502	823.3255 ug/L	#	86
57) 1,2-Dichloropropane (CCC)	6.95	63	208121	21.4454 PPB		89
58) Bromodichloromethane	7.03	83	209694	20.4406 PPB		98
59) 1,4-Dioxane	7.29	88	8309	418.6039 PPB		87
60) Methyl methacrylate	7.24	69	52005	17.1812 PPB		79
61) 1-Bromo-2-chloroethane	7.58	63	180593	20.0926 PPB		92
62) cis-1,3-Dichloropropene	7.78	75	268667	21.4884 PPB		91
63) 2-Chloroethyl vinyl ether	7.73	63	59984	28.2165 PPB		92
66) Toluene (CCC)	8.03	91	859759	20.2692 PPB		98
67) Epichlorohydrin	8.05	57	24150	90.2333 PPB	#	58
68) 2-Nitropropane	8.27	43	10480	19.3826 PPB	#	100
69) Tetrachloroethene	8.40	164	132840	15.6664 PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.42	43	56280	20.8735 PPB		86
71) trans-1,3-Dichloropropene	8.45	75	190020	22.0700 PPB		93
72) 1,1,2-Trichloroethane	8.59	97	90143	18.5405 PPB		95
73) 4-Methyl-2-pentanol (MIBC)	8.53	45	21821	94.5634 PPB	#	100
74) Ethyl methacrylate	8.61	69	106438	17.7820 PPB		88
75) Dibromochloromethane	8.74	129	90783	19.9478 PPB		99
76) 1,3-Dichloropropane	8.82	76	196207	19.9099 PPB		90
77) 1,2-Dibromoethane (EDB)	8.93	107	75770	18.5798 PPB		99
78) 2-Hexanone	9.14	43	29548	20.0594 PPB	#	78
79) Chlorobenzene (SPCC)	9.35	112	455148	18.6737 PPB		94
80) 1-Chlorohexane	9.35	55	209831	21.1493 PPB		93
81) Ethylbenzene (CCC)	9.38	106	273333	19.3022 PPB		75
82) 1,1,1,2-Tetrachloroethane	9.41	131	132878	19.5022 PPB	#	1
83) m&p-Xylene	9.49	106	697761	40.8097 PPB		95
84) o-Xylene	9.80	106	308346	20.0708 PPB		94
85) Bromoform (SPCC)	9.86	173	34020	18.6681 PPB		98
86) Styrene	9.84	104	446597	20.8712 PPB		96
87) Isopropylbenzene	10.02	105	783886	19.7830 PPB		97
88) Bromobenzene	10.28	156	128350	17.9187 PPB	#	85
89) n-Propylbenzene	10.30	120	199598	18.8953 PPB	#	83
90) 1,1,2,2-Tetrachloroethane	10.36	83	72346	17.9771 PPB		97
93) 2-Chlorotoluene	10.41	126	158149	19.4823 PPB	#	86
94) Cyclohexanone	10.47	42	5638	167.5511 PPB	#	70
95) 1,2,3-Trichloropropane	10.44	110	22822	18.1464 PPB	#	77
96) trans-1,4-Dichloro-2-buten	10.47	89	4333	16.9345 PPB	#	1
97) 3-Ethyltoluene	10.36	105	687549	20.9699 PPB	#	97
98) 4-Chlorotoluene	10.52	126	155841	19.2260 PPB	#	85
99) 1,3,5-Trimethylbenzene	10.43	105	588113	20.5145 PPB		97
100) 2-Ethyltoluene	10.57	105	690279	21.1117 PPB	#	96
101) tert-Butylbenzene	10.64	91	338339	20.6953 PPB		92
102) Pentachloroethane	10.66	167	60126	24.7549 PPB	#	86
103) 1,2,4-Trimethylbenzene	10.68	105	557914	20.4884 PPB		97
104) sec-Butylbenzene	10.75	105	723567	19.4618 PPB	#	82
105) p-Isopropyltoluene	10.84	119	583053	19.9379 PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614708.D Vial: 8
Acq On : 14 Jun 2007 3:00 pm Operator: DY
Sample : LCS;LCS,i061407 Inst : MSI
Misc : 1,1, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
106)	1,3-Dichlorobenzene	10.89	146	242150	18.2062	PPB	#	63
107)	1,4-Dichlorobenzene	10.95	146	236604	17.7971	PPB	#	16
108)	Benzyl chloride	11.10	126	18296	16.3082	PPB	#	1
109)	n-Butylbenzene	11.09	134	130119	19.1975	PPB		87
110)	1,2-Dichlorobenzene	11.20	146	187457	18.2584	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5302	15.9990	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	57503	18.0236	PPB		99
114)	1,2,4-Trichlorobenzene	12.08	180	86219	18.7644	PPB		100
115)	Naphthalene	12.30	128	103228	16.5318	PPB		100
116)	1,2,3-Trichlorobenzene	12.43	180	59116	19.5478	PPB		100

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

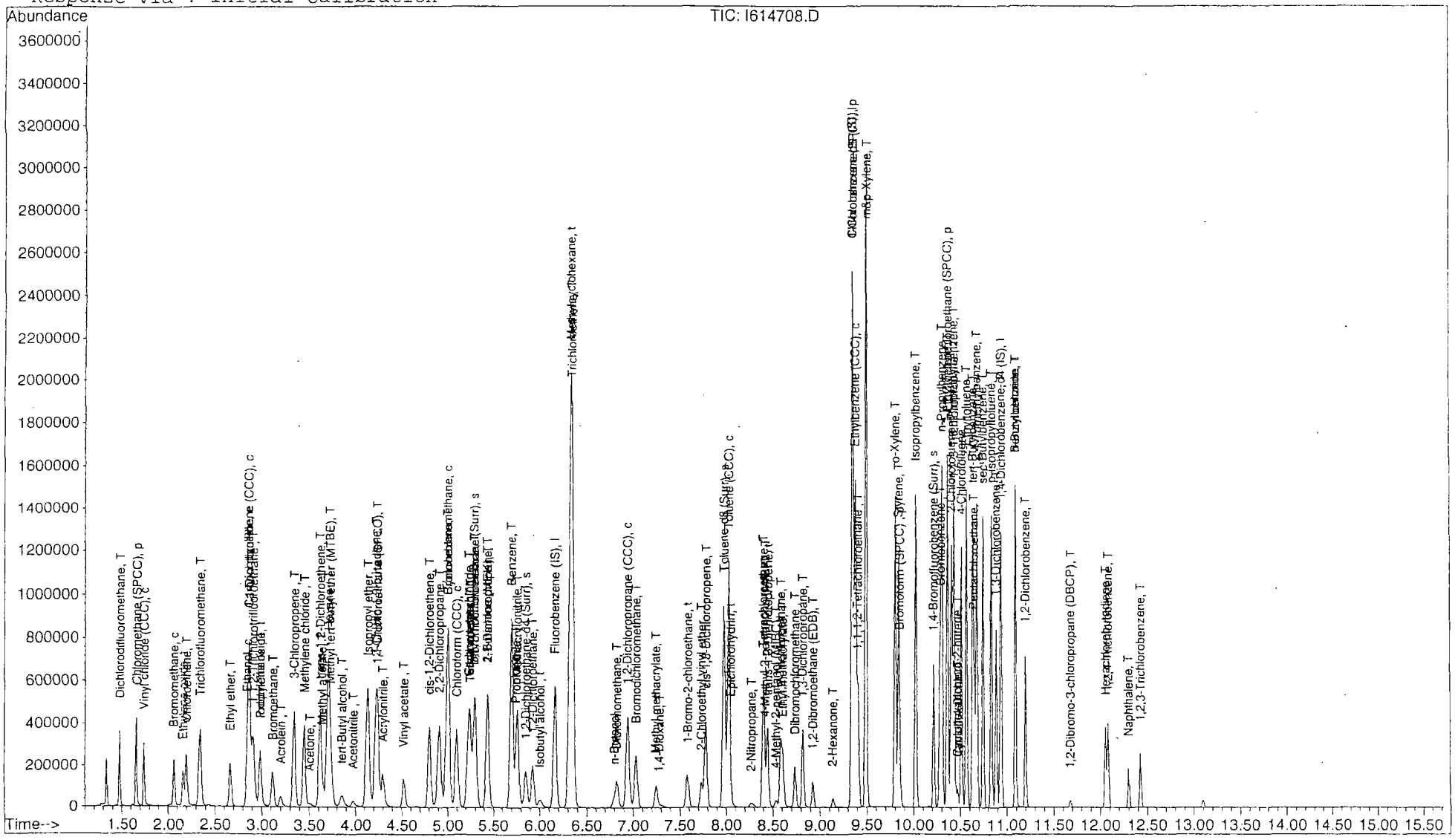
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614708.D
Acq On : 14 Jun 2007 3:00 pm
Sample : LCS;LCS,i061407
Misc : 1,1, 07MSV0444,451,452 5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:44 19107

Vial: 8
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



169

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Only worked up: Target Analytes
6-18-07

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	617588	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	110318	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	117430	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	144163	17.0657 PPB	-0.04
Spiked Amount 16.700			Recovery	= 102.22%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	81415	17.4272 PPB	-0.04
Spiked Amount 16.700			Recovery	= 104.37%	
64) Toluene-d8 (Surr)	7.98	98	672148	18.5740 PPB	-0.01
Spiked Amount 16.700			Recovery	= 111.20%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	188496	17.7918 PPB	-0.02
Spiked Amount 16.700			Recovery	= 106.53%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	182159	11.3445 PPB		99
3) Chloromethane (SPCC)	1.65	50	273688	18.0778 PPB		99
4) Vinyl chloride (CCC)	1.74	62	201801	19.4022 PPB		99
5) Bromomethane	2.06	94	116568	23.8981 PPB		100
6) Ethylene oxide	2.16	44	176540	323.5713 PPB		99
7) Chloroethane	2.19	64	187748	21.0104 PPB		98
8) Trichlorofluoromethane	2.34	101	313798	18.1713 PPB		96
9) Ethyl ether	2.66	59	119344	20.6556 PPB		93
10) Ethanol	2.83	45	10864	575.8485 PPB		93
11) 1,1-Dichloroethene (CCC)	2.85	96	179634	19.1259 PPB		86
12) Carbon disulfide	2.86	76	604214	21.3175 PPB		97
13) 1,1,2-Trichlorotrifluoroet	2.91	101	190070	18.1856 PPB		98
14) Propylene oxide	2.98	58	87163	102.0407 PPB	#	97
15) Iodomethane	2.99	142	188643	21.2490 PPB		96
16) Bromoethane	3.11	108	129783	19.5295 PPB		100
17) Acrolein	3.20	56	49892	132.4876 PPB		99
18) 3-Chloropropene	3.34	41	334801	26.4142 PPB		94
19) Methylene chloride	3.45	84	659018	69.9913 PPB	#	79
20) Acetone	3.51	43	18864	24.4849 PPB		97
21) trans-1,2-Dichloroethene	3.61	96	189264	17.5558 PPB		89
22) Methyl acetate	3.64	74	34712	45.0210 PPB	#	100
23) Hexane	3.70	86	80235	18.7889 PPB	#	74
24) Methyl tert-butyl ether (M	3.73	73	314874	19.5996 PPB	#	73
25) tert-Butyl alcohol	3.85	59	85023	401.3427 PPB	#	69
26) Acetonitrile	3.98	40	20549	124.7509 PPB	#	100
27) Isopropyl ether	4.13	45	651023	23.6444 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	151281	18.7100 PPB	#	80
29) 1,1-Dichloroethane (SPCC)	4.24	63	437859	21.7328 PPB		99
30) Acrylonitrile	4.30	53	146169	105.9809 PPB		99
31) Vinyl acetate	4.52	43	220893	25.4944 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	189752	17.7571 PPB		89
33) 2,2-Dichloropropane	4.91	77	313617	21.1922 PPB	#	100
34) Cyclohexane	5.00	56	434806	16.1709 PPB		94
35) Bromochloromethane	5.01	130	75446	17.2886 PPB	#	70

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37) Chloroform (CCC)	5.10	83	325590	19.0223	PPB	#	83
38) Carbon tetrachloride	5.22	117	234654	19.8096	PPB		96
40) Ethyl acetate	5.24	43	354685	101.4630	PPB	#	51
41) Tetrahydrofuran	5.25	42	43791	27.3596	PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	422687	28.5318	PPB		99
44) 1,1-Dichloropropene	5.44	75	312899	19.9863	PPB		89
45) 2-Butanone (MEK)	5.44	43	28870	21.3676	PPB		96
46) Benzene	5.70	78	915889	19.4383	PPB		97
48) Propionitrile	5.74	54	44778	120.7570	PPB	#	1
49) Methacrylonitrile	5.76	67	176460	101.2783	PPB	#	73
51) 1,2-Dichloroethane	5.93	62	338951	34.4387	PPB		99
52) Isobutyl alcohol	6.00	43	33994	433.5283	PPB		96
53) Methylcyclohexane	6.33	83	1090103	53.5984	PPB		91
54) Trichloroethene	6.35	130	237188	21.7129	PPB		96
55) Dibromomethane	6.83	93	57096	16.6856	PPB		96
56) n-Butanol	6.79	56	32008	779.6140	ug/L		83
57) 1,2-Dichloropropane (CCC)	6.94	63	206960	20.8564	PPB		90
58) Bromodichloromethane	7.04	83	203318	19.3828	PPB		98
59) 1,4-Dioxane	7.28	88	8481	417.8650	PPB		86
60) Methyl methacrylate	7.25	69	52611	17.0263	PPB		82
61) 1-Bromo-2-chloroethane	7.58	63	177740	19.3400	PPB		92
62) cis-1,3-Dichloropropene	7.78	75	262563	20.5379	PPB		92
63) 2-Chloroethyl vinyl ether	7.73	63	59501	27.4673	PPB		93
66) Toluene (CCC)	8.03	91	845764	19.4805	PPB		98
67) Epichlorohydrin	8.06	57	24354	88.9020	PPB	#	46
68) 2-Nitropropane	8.27	43	10315	18.7549	PPB	#	100
69) Tetrachloroethene	8.40	164	139020	16.0180	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.42	43	53911	19.7285	PPB	#	87
71) trans-1,3-Dichloropropene	8.45	75	186767	21.1931	PPB		93
72) 1,1,2-Trichloroethane	8.59	97	89145	17.9134	PPB		95
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	20781	89.4806	PPB	#	100
74) Ethyl methacrylate	8.61	69	103327	17.0065	PPB		88
75) Dibromochloromethane	8.74	129	89019	19.1102	PPB		99
76) 1,3-Dichloropropane	8.82	76	192466	19.0810	PPB		91
77) 1,2-Dibromoethane (EDB)	8.93	107	75871	18.1765	PPB		100
78) 2-Hexanone	9.14	43	29510	19.7016	PPB		83
79) Chlorobenzene (SPCC)	9.35	112	446766	17.9081	PPB		94
80) 1-Chlorohexane	9.35	55	212861	20.9611	PPB		92
81) Ethylbenzene (CCC)	9.38	106	269315	18.5809	PPB		77
82) 1,1,1,2-Tetrachloroethane	9.41	131	129712	18.5996	PPB	#	1
83) m&p-Xylene	9.49	106	686726	39.2403	PPB		95
84) o-Xylene	9.80	106	303935	19.3285	PPB		95
85) Bromoform (SPCC)	9.86	173	33303	17.8542	PPB		99
86) Styrene	9.85	104	437985	19.9978	PPB		97
87) Isopropylbenzene	10.03	105	779018	19.2079	PPB		97
88) Bromobenzene	10.29	156	126738	17.2866	PPB	#	53
89) n-Propylbenzene	10.31	120	200127	18.5095	PPB	#	86
90) 1,1,2,2-Tetrachloroethane	10.36	83	71356	17.3232	PPB		99
93) 2-Chlorotoluene	10.41	126	155421	18.5234	PPB	#	86

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

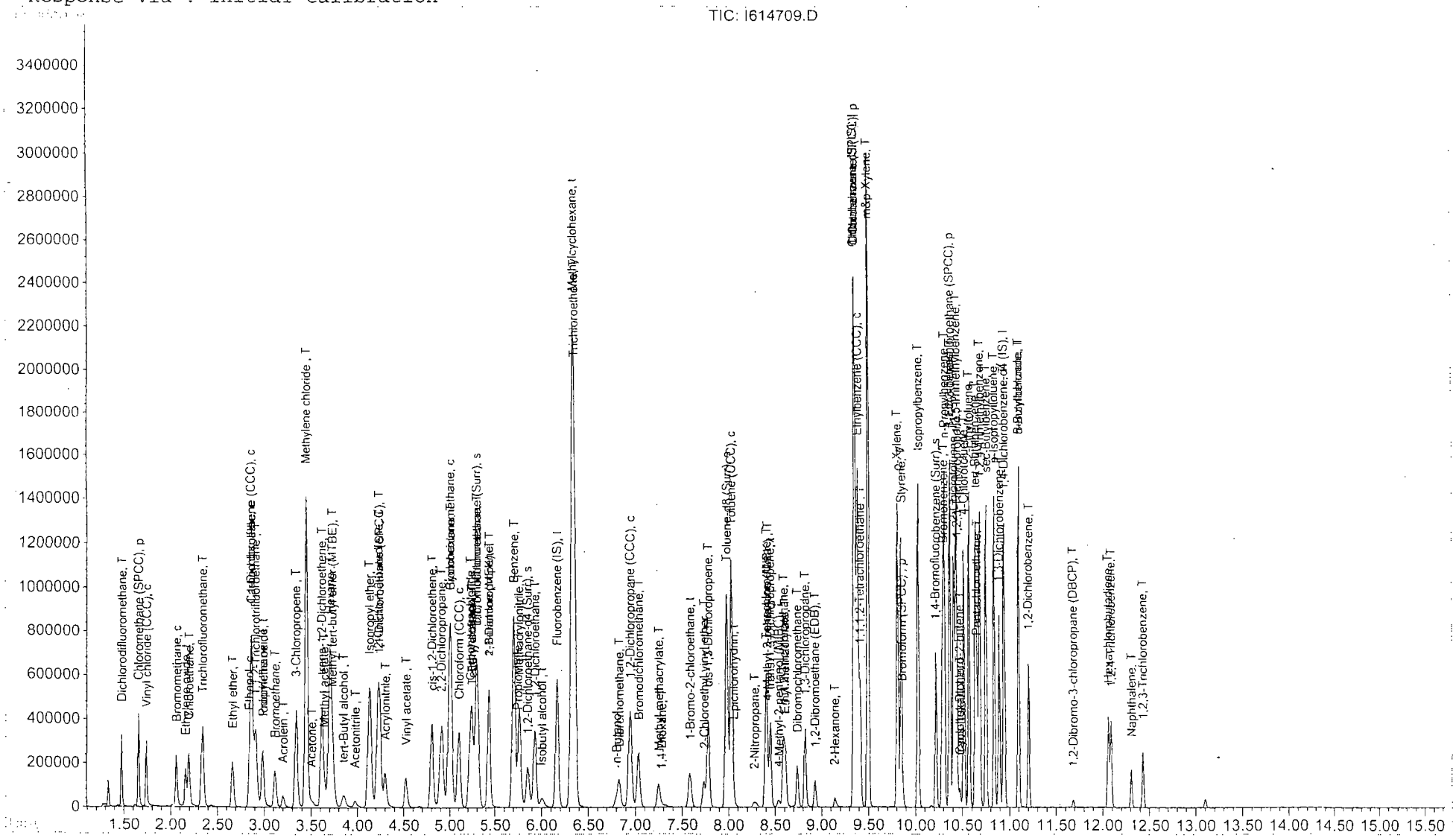
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
94)	Cyclohexanone	10.48	42	5290	154.0192	PPB	#	78
95)	1,2,3-Trichloropropane	10.45	110	26358	20.2762	PPB	#	75
96)	trans-1,4-Dichloro-2-buten	10.47	89	4617	17.3626	PPB	#	1
97)	3-Ethyltoluene	10.37	105	683319	20.1629	PPB	#	97
98)	4-Chlorotoluene	10.51	126	156481	18.6769	PPB		88
99)	1,3,5-Trimethylbenzene	10.43	105	584933	19.7399	PPB		96
100)	2-Ethyltoluene	10.57	105	680781	20.1439	PPB	#	97
101)	tert-Butylbenzene	10.64	91	336311	19.9021	PPB		93
102)	Pentachloroethane	10.66	167	57100	22.7443	PPB	#	95
103)	1,2,4-Trimethylbenzene	10.68	105	552391	19.6257	PPB		97
104)	sec-Butylbenzene	10.75	105	730757	19.0158	PPB		98
105)	p-Isopropyltoluene	10.84	119	587030	19.4209	PPB		97
106)	1,3-Dichlorobenzene	10.89	146	241225m	17.5467	PPB		
107)	1,4-Dichlorobenzene	10.95	146	236668	17.2228	PPB	#	100
108)	Benzyl chloride	11.10	126	19060	16.4045	PPB	#	1
109)	n-Butylbenzene	11.10	134	132971	18.9801	PPB	#	87
110)	1,2-Dichlorobenzene	11.21	146	186133	17.5397	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5107	15.2261	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	60484	18.3412	PPB		99
114)	1,2,4-Trichlorobenzene	12.09	180	85987	18.1052	PPB		99
115)	Naphthalene	12.31	128	102767	16.0456	PPB		100
116)	1,2,3-Trichlorobenzene	12.43	180	59216	18.9439	PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614709.D Vial: 9
Acq On : 14 Jun 2007 4:28 pm Operator: DY
Sample : J0DTN1A3;H50DE1AF;I7F060169-02MS 20KX,i0 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 18 9:44 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration

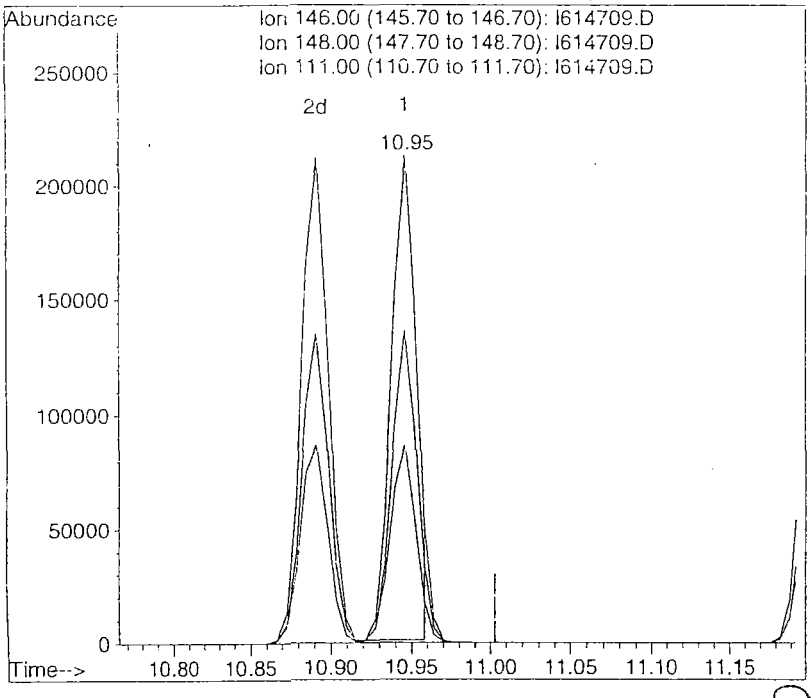


173

1,3-Dichlorobenzene I614709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: Fri Jun 15 13:08:29 2007

6-15-07

BEFORE



TIC: I614709.D

(106) 1,3-Dichlorobenzene (1

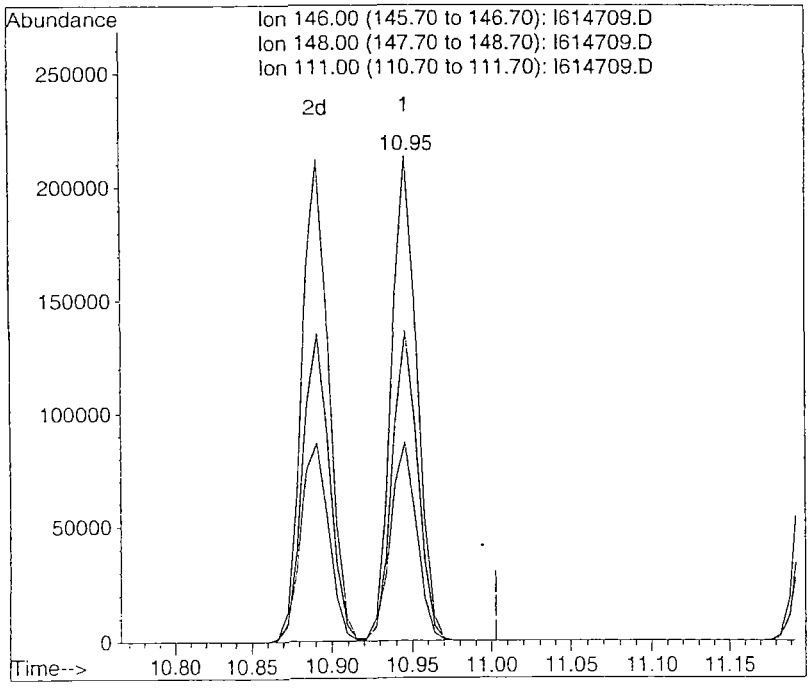
10.95min 16.71PPB

response 229726

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	63.43
111.00	80.30	86.09
0.00	0.00	0.00

DW 6-18-07

AFTER



TIC: I614709.D

(106) 1,3-Dichlorobenzene (1

10.95min 17.25PPB m

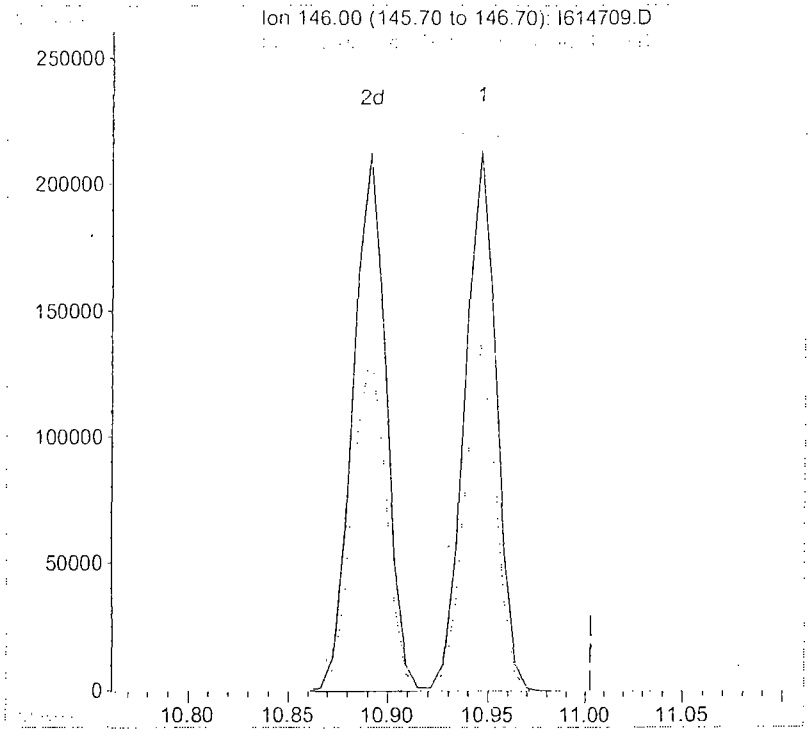
response 237078

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	61.46
111.00	80.30	83.42
0.00	0.00	0.00

1,3-Dichlorobenzene G-22M I614709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BDW Mon Jun 18 09:44:26 2007

wrong peak
DW 6-18-07

BEFORE



TIC: I614709.D

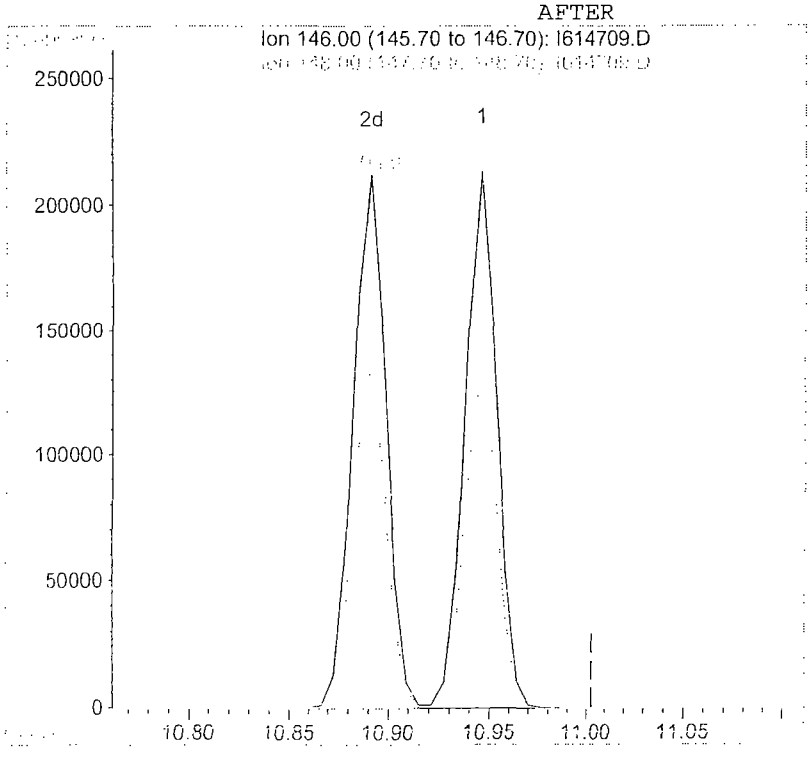
(106) 1,3-Dichlorobenzene (T

10.95min 17.25PPB m

response 237078

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	61.46
111.00	80.30	83.42
0.00	0.00	0.00

AFTER



TIC: I614709.D

(106) 1,3-Dichlorobenzene (T

10.89min 17.55PPB m

response 241225

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	60.40
111.00	80.30	81.98
0.00	0.00	0.00

Quantitation Report (QT Reviewed) 6-15-07

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07 "Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	616603	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	109543	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	116520	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	140883	16.7041 PPB	-0.04
Spiked Amount 16.700			Recovery	= 100.00%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	78916	16.9192 PPB	-0.04
Spiked Amount 16.700			Recovery	= 101.32%	
64) Toluene-d8 (Surr)	7.97	98	662981	18.3499 PPB	-0.02
Spiked Amount 16.700			Recovery	= 109.88%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	185273	17.6113 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.45%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	180538	11.2615 PPB	S	99
3) Chloromethane (SPCC)	1.65	50	284782	18.8407 PPB	S	99
4) Vinyl chloride (CCC)	1.74	62	206442	19.8802 PPB	S	99
5) Bromomethane	2.06	94	123246	25.3075 PPB	S	99
6) Ethylene oxide	2.15	44	179110	328.8062 PPB	S	98
7) Chloroethane	2.19	64	195219	21.8814 PPB	S	97
8) Trichlorofluoromethane	2.34	101	319890	18.5536 PPB	S	92
9) Ethyl ether	2.66	59	124228	21.5352 PPB	S	93
10) Ethanol	2.83	45	11552	613.2943 PPB	S	87
11) 1,1-Dichloroethene (CCC)	2.85	96	183285	19.5458 PPB	S	86
12) Carbon disulfide	2.87	76	596386	21.0749 PPB	S	96
13) 1,1,2-Trichlorotrifluoroet	2.90	101	188746	18.0877 PPB		97
14) Propylene oxide	2.98	58	88094	103.2953 PPB	#	95
15) Iodomethane	2.98	142	195637	22.0720 PPB		97
16) Bromoethane	3.12	108	134618	20.2895 PPB		100
17) Acrolein	3.20	56	50991	135.6222 PPB		99
18) 3-Chloropropene	3.34	41	350756	27.7172 PPB		94
19) Methylene chloride	3.44	84	703119	74.7943 PPB	#	78
20) Acetone	3.51	43	24202	31.4637 PPB		96
21) trans-1,2-Dichloroethene	3.61	96	190984	17.7436 PPB		87
22) Methyl acetate	3.64	74	35780	46.4803 PPB	#	100
23) Hexane	3.70	86	76909	18.0388 PPB	#	68
24) Methyl tert-butyl ether (M	3.73	73	326317	20.3444 PPB		79
25) tert-Butyl alcohol	3.85	59	92967	433.6501 PPB	#	73
26) Acetonitrile	3.97	40	20616	125.3576 PPB	#	100
27) Isopropyl ether	4.13	45	680039	24.7377 PPB		95
28) 2-Chloro-1,3-butadiene	4.22	88	155170	19.2216 PPB	#	80
29) 1,1-Dichloroethane (SPCC)	4.24	63	457382	22.7381 PPB		99
30) Acrylonitrile	4.30	53	147948	107.4422 PPB	#	99
31) Vinyl acetate	4.52	43	229897	26.5760 PPB	#	87
32) cis-1,2-Dichloroethene	4.80	96	196124	18.3828 PPB		89
33) 2,2-Dichloropropane	4.91	77	328109	22.2069 PPB	#	100
34) Cyclohexane	5.00	56	444116	16.5435 PPB		94
35) Bromochloromethane	5.01	130	77400	17.7647 PPB	#	69
37) Chloroform (CCC)	5.10	83	336856	19.7120 PPB	#	83
38) Carbon tetrachloride	5.23	117	241101	20.3864 PPB		96
40) Ethyl acetate	5.24	43	368068	105.0735 PPB	#	50
41) Tetrahydrofuran	5.25	42	44796	28.0322 PPB	#	1
43) 1,1,1-Trichloroethane	5.30	97	441877	29.8748 PPB		99
44) 1,1-Dichloropropene	5.43	75	320301	20.4918 PPB		89

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	2-Butanone (MEK)	5.43	43	29827	22.1112	PPB		96
46)	Benzene	5.70	78	956009	20.3222	PPB		97
48)	Propionitrile	5.74	54	45593	123.1513	PPB	#	1
49)	Methacrylonitrile	5.76	67	179835	103.3802	PPB	#	73
51)	1,2-Dichloroethane	5.93	62	355484	36.1762	PPB		99
52)	Isobutyl alcohol	6.00	43	36957	460.6434	PPB		95
53)	Methylcyclohexane	6.33	83	1093923	53.8721	PPB		90
54)	Trichloroethene	6.35	130	245284	22.4899	PPB		96
55)	Dibromomethane	6.83	93	58897	17.2394	PPB		96
56)	n-Butanol	6.80	56	36131	860.5771	ug/L		85
57)	1,2-Dichloropropane (CCC)	6.94	63	215190	21.7204	PPB		89
58)	Bromodichloromethane	7.03	83	212047	20.2473	PPB		98
59)	1,4-Dioxane	7.28	88	8915	439.9502	PPB		88
60)	Methyl methacrylate	7.25	69	52598	17.0458	PPB		82
61)	1-Bromo-2-chloroethane	7.58	63	184824	20.1429	PPB		91
62)	cis-1,3-Dichloropropene	7.78	75	274533	21.5085	PPB		92
63)	2-Chloroethyl vinyl ether	7.73	63	63164	29.0058	PPB		94
66)	Toluene (CCC)	8.03	91	883063	20.4836	PPB		98
67)	Epichlorohydrin	8.05	57	25489	93.7035	PPB	#	63
68)	2-Nitropropane	8.27	43	10847	19.6811	PPB	#	100
69)	Tetrachloroethene	8.40	164	142872	16.5783	PPB		99
70)	4-Methyl-2-pentanone (MIBK	8.42	43	57022	20.8178	PPB	#	87
71)	trans-1,3-Dichloropropene	8.45	75	194358	22.2105	PPB		93
72)	1,1,2-Trichloroethane	8.59	97	92349	18.6886	PPB		95
73)	4-Methyl-2-pentanol (MIBC)	8.53	45	22718	96.3189	PPB	#	100
74)	Ethyl methacrylate	8.61	69	109548	17.9723	PPB		87
75)	Dibromochloromethane	8.74	129	92229	19.9394	PPB		99
76)	1,3-Dichloropropane	8.82	76	199460	19.9143	PPB		90
77)	1,2-Dibromoethane (EDB)	8.93	107	77292	18.6480	PPB		99
78)	2-Hexanone	9.14	43	31062	20.5656	PPB	#	78
79)	Chlorobenzene (SPCC)	9.36	112	465728	18.8003	PPB		95
80)	1-Chlorohexane	9.35	55	215374	21.3586	PPB		93
81)	Ethylbenzene (CCC)	9.38	106	280216	19.4698	PPB		78
82)	1,1,1,2-Tetrachloroethane	9.41	131	136407	19.6980	PPB	#	1
83)	m&p-Xylene	9.50	106	713481	41.0575	PPB		95
84)	o-Xylene	9.81	106	316917	20.2967	PPB		95
85)	Bromoform (SPCC)	9.86	173	34228	18.4799	PPB		99
86)	Styrene	9.84	104	457851	21.0528	PPB		96
87)	Isopropylbenzene	10.02	105	808567	20.0775	PPB		97
88)	Bromobenzene	10.29	156	132014	18.1336	PPB	#	52
89)	n-Propylbenzene	10.30	120	204354	19.0341	PPB	#	82
90)	1,1,2,2-Tetrachloroethane	10.36	83	73147	17.8836	PPB		97
93)	2-Chlorotoluene	10.41	126	160626	19.2933	PPB	#	85
94)	Cyclohexanone	10.47	42	5186	152.4208	PPB	#	82
95)	1,2,3-Trichloropropane	10.44	110	27075	20.9905	PPB		94
96)	trans-1,4-Dichloro-2-buten	10.47	89	4482	17.0532	PPB	#	1
97)	3-Ethyltoluene	10.36	105	703968	20.9345	PPB	#	97
98)	4-Chlorotoluene	10.52	126	159642	19.2030	PPB	#	85
99)	1,3,5-Trimethylbenzene	10.36	105	703934	23.9414	PPB		77
100)	2-Ethyltoluene	10.57	105	706434	21.0662	PPB	#	96
101)	tert-Butylbenzene	10.64	91	345324	20.5950	PPB		93
102)	Pentachloroethane	10.66	167	63003	25.2916	PPB	#	83
103)	1,2,4-Trimethylbenzene	10.68	105	569375	20.3871	PPB		97
104)	sec-Butylbenzene	10.75	105	744927	19.5359	PPB	#	82
105)	p-Isopropyltoluene	10.84	119	602425	20.0859	PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

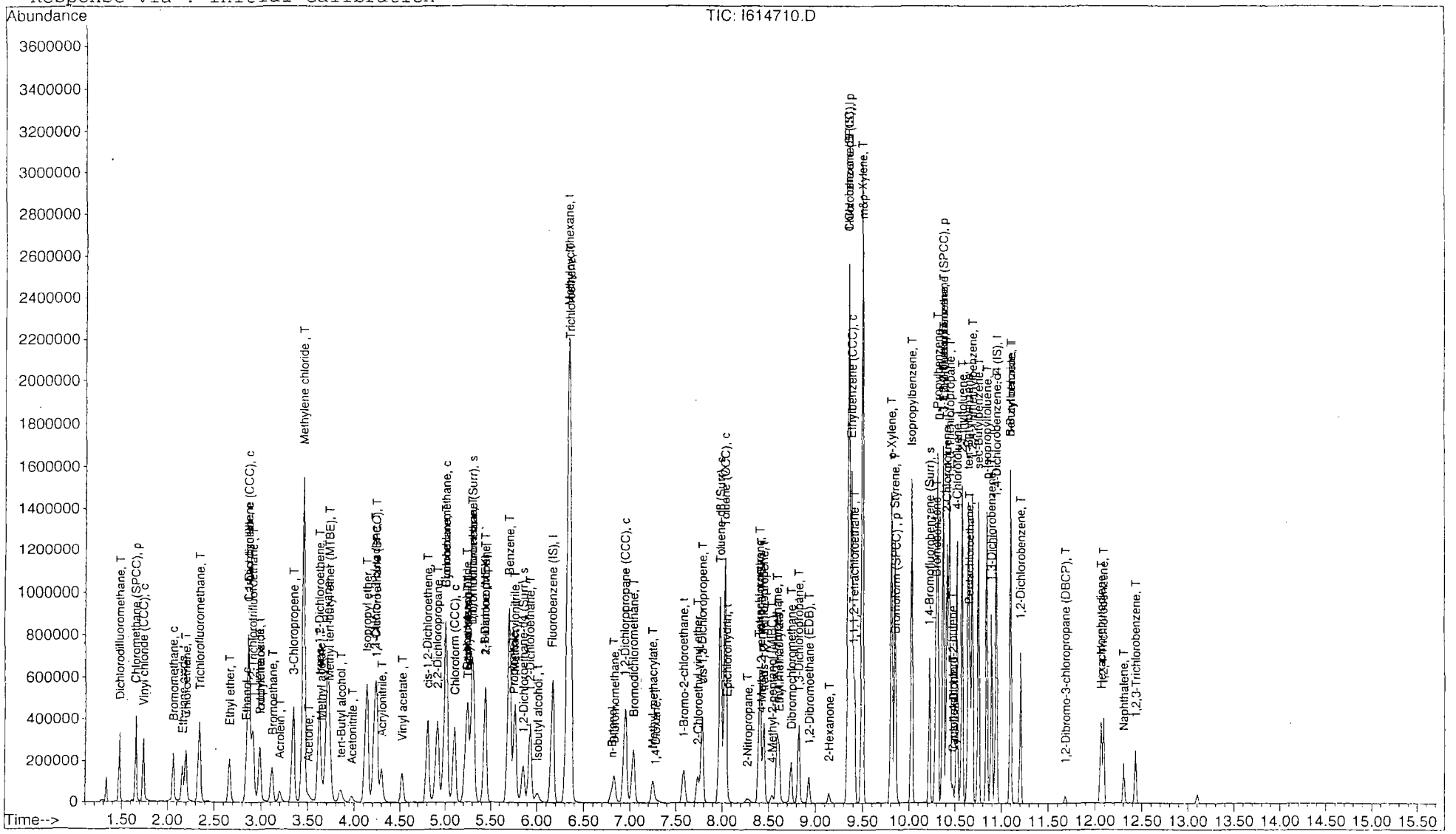
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
106)	1,3-Dichlorobenzene	10.89	146	250023	18.3287	PPB		99
107)	1,4-Dichlorobenzene	10.94	146	243435	17.8536	PPB	#	100
108)	Benzyl chloride	11.10	126	19679	16.9049	PPB	#	1
109)	n-Butylbenzene	11.09	134	134662	19.3716	PPB		88
110)	1,2-Dichlorobenzene	11.20	146	190706	18.1110	PPB		99
112)	1,2-Dibromo-3-chloropropan	11.68	157	5273	15.6551	PPB	#	1
113)	Hexachlorobutadiene	12.06	225	58963	18.0197	PPB		99
114)	1,2,4-Trichlorobenzene	12.09	180	88223	18.7211	PPB		100
115)	Naphthalene	12.30	128	108309	16.8355	PPB		99
116)	1,2,3-Trichlorobenzene	12.43	180	61111	19.7028	PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report

Data File : H:\MSI.I\I061407.B\I614710.D Vial: 10
Acq On : 14 Jun 2007 4:53 pm Operator: DY
Sample : J0DTN1AD;I7F060169-02MSD 20KX,i061407 Inst : MSI
Misc : 20000,20000, 07MSV0444,451,452 5uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 10:45 19107 Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-7mg

Data File : H:\MSI.I\I061407.B\I614713.D Vial: 13
Acq On : 14 Jun 2007 6:08 pm Operator: DY
Sample : BLANK;BLANK,i061407 Inst : MSI
Misc : 1,1, 07MSV0437IS 07MSV0438SUR Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:58 19107 Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	572634	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	97483	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	99844	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	130230	16.6266 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.58%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	77452	17.8804 PPB	-0.04
Spiked Amount 16.700			Recovery	= 107.07%	
64) Toluene-d8 (Surr)	7.98	98	605786	18.0543 PPB	-0.01
Spiked Amount 16.700			Recovery	= 108.08%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	166642	17.8000 PPB	-0.02
Spiked Amount 16.700			Recovery	= 106.59%	
Target Compounds					Qvalue
5) Bromomethane	2.06	94	951	0.2103 PPB # S	88 <MDL
83) m&p-Xylene	9.50	106	6425	0.4155 PPB	90 <MDL

>DK

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

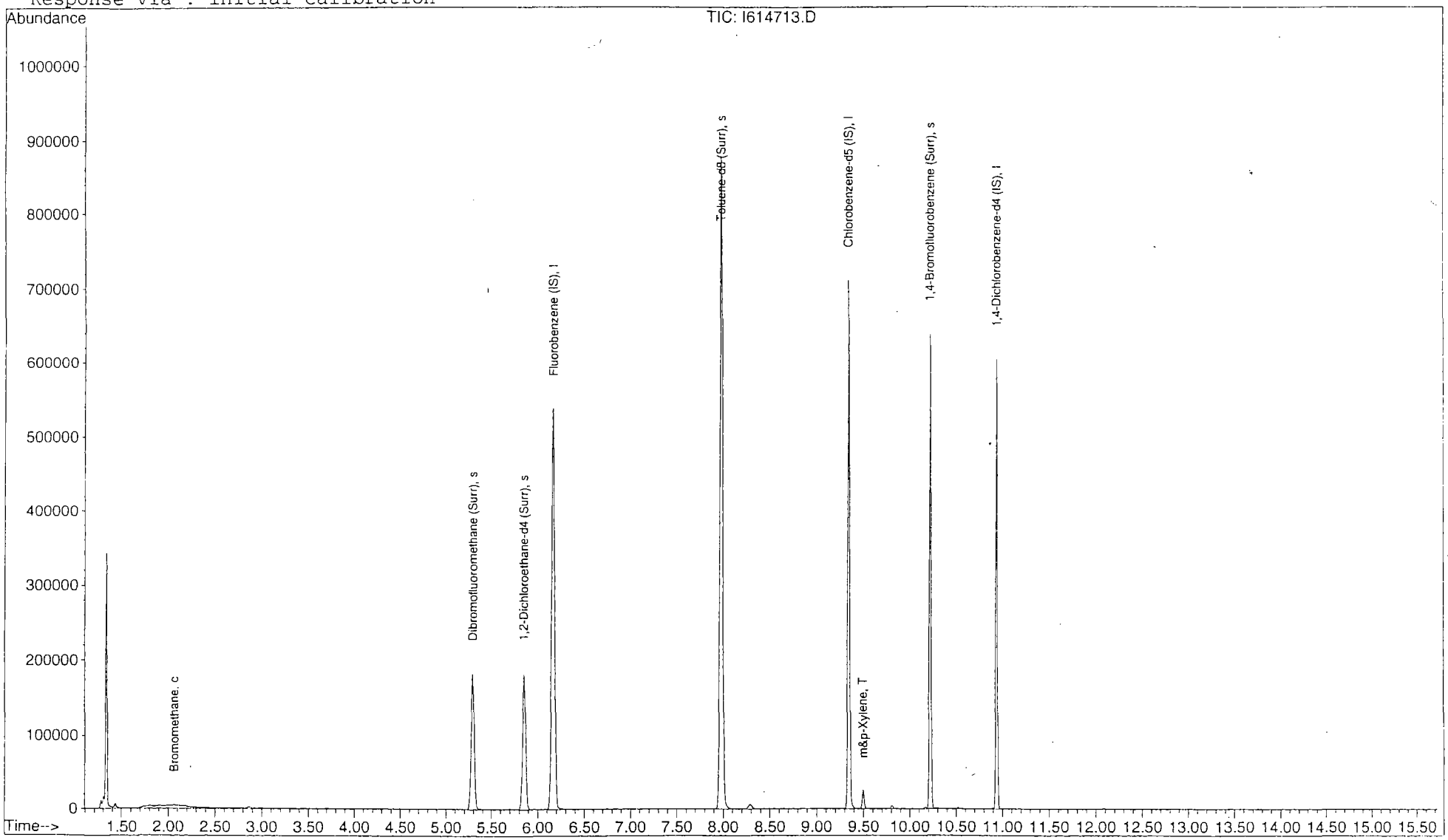
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614713.D
Acq On : 14 Jun 2007 6:08 pm
Sample : BLANK;BLANK,i061407
Misc : 1,1, 07MSV0437IS 07MSV0438SUR
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:58 19107

Vial: 13
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

6-15-1 [illegible]

Data File : H:\MSI.I\I061407.B\I614714.D
Acq On : 14 Jun 2007 6:33 pm
Sample : J0DTK1AA;I7F060169-03,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:59 19107

Vial: 14
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	582530	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	101105	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	100698	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	132325	16.6071 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.46%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	72888	16.5409 PPB	-0.04
Spiked Amount 16.700			Recovery	= 99.04%	
64) Toluene-d8 (Surr)	7.98	98	625124	18.3141 PPB	-0.01
Spiked Amount 16.700			Recovery	= 109.64%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	171659	17.6790 PPB	-0.02
Spiked Amount 16.700			Recovery	= 105.87%	
Target Compounds					Qvalue
20) Acetone	3.51	43	1761	2.4233 PPB	79
83) m&p-Xylene	9.49	106	11006	0.6862 PPB	94

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

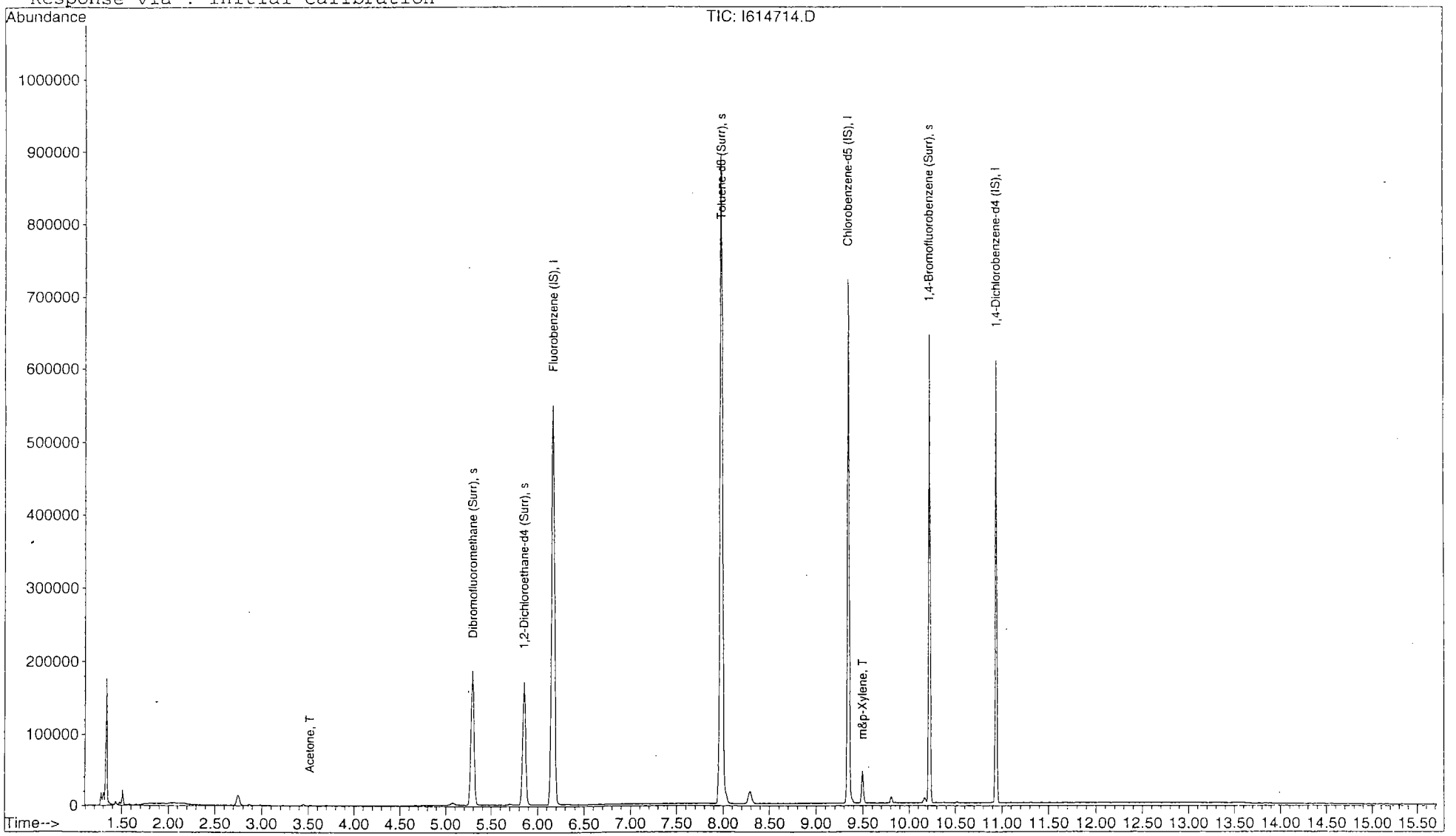
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614714.D
Acq On : 14 Jun 2007 6:33 pm
Sample : J0DTR1AA;I7F060169-03,74859
Misc : 1,1, TB
MS Integration Params: TAILA.P
Quant Time: Jun 15 12:59 19107

Vial: 14
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-07

Data File : H:\MSI.I\I061407.B\I614717.D
Acq On : 14 Jun 2007 7:48 pm
Sample : J0DTG1A2;I7F060169-01,74859
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:22 19107

Vial: 17
Operator: DY
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

DW 6-18-07

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.16	96	563955	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	102677	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	113456	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	132444	17.1695 PPB	-0.04
Spiked Amount 16.700			Recovery	= 102.81%	
50) 1,2-Dichloroethane-d4 (Sur	5.85	67	86207	20.2078 PPB	-0.04
Spiked Amount 16.700			Recovery	= 121.02%	
64) Toluene-d8 (Surr)	7.97	98	592460	17.9289 PPB	-0.02
Spiked Amount 16.700			Recovery	= 107.37%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	190721	19.3415 PPB	-0.02
Spiked Amount 16.700			Recovery	= 115.81%	
Target Compounds					Qvalue
12) Carbon disulfide	2.86	76	16443	0.6353 PPB	70
20) Acetone	3.52	43	4841	6.8810 PPB	86
83) m&p-Xylene	9.49	106	7819	0.4800 PPB	92

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

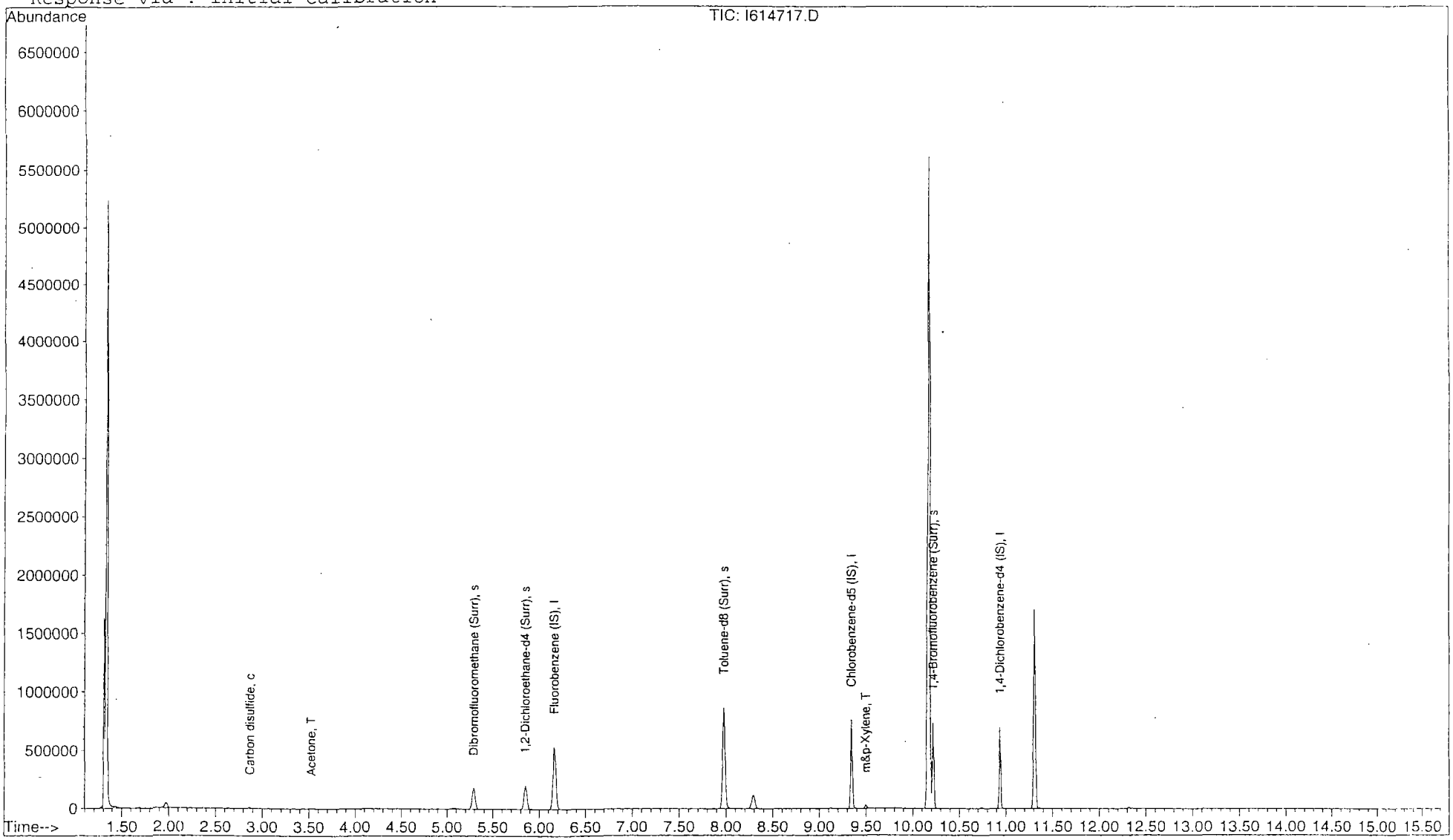
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614717.D
Acq On : 14 Jun 2007 7:48 pm
Sample : J0DTG1A2;I7F060169-01,74859
Misc : 1,1,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:22 19107

Vial: 17
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed) 6-15-07 186

Data File : H:\MSI.I\I061407.B\I614719.D
Acq On : 14 Jun 2007 8:38 pm
Sample : J0DTN1AD;I7F060169-02 20KX,i061407
Misc : 20000,20000,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:20 19107

Vial: 19
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:31:08 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

"Only worked up: Target Analytes"

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	537529	16.7000 PPB	-0.04
65) Chlorobenzene-d5 (IS)	9.34	119	93873	16.7000 PPB	-0.03
92) 1,4-Dichlorobenzene-d4 (IS	10.93	152	96293	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	121009	16.4583 PPB	-0.04
Spiked Amount 16.700			Recovery = 98.56%		
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	74041	18.2092 PPB	-0.04
Spiked Amount 16.700			Recovery = 109.04%		
64) Toluene-d8 (Surr)	7.98	98	565812	17.9642 PPB	-0.01
Spiked Amount 16.700			Recovery = 107.54%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	164387	18.2344 PPB	-0.02
Spiked Amount 16.700			Recovery = 109.16%		

Target Compounds						Qvalue
11) 1,1-Dichloroethene (CCC)	2.85	96	4155	0.5083 PPB	# S	78
19) Methylene chloride	3.45	84	475390	58.0088 PPB	#	72
20) Acetone	3.52	43	1996	2.9766 PPB		63
29) 1,1-Dichloroethane (SPCC)	4.24	63	17111	0.9758 PPB		98
32) cis-1,2-Dichloroethene	4.81	96	2467	0.2652 PPB		97
38) Carbon tetrachloride	5.30	117	12691	1.2310 PPB		88
43) 1,1,1-Trichloroethane	5.30	97	110943	8.6041 PPB		94
46) Benzene	5.70	78	17719	0.4321 PPB		87
51) 1,2-Dichloroethane	5.93	62	158477	18.5001 PPB		98
54) Trichloroethene	6.35	130	35677	3.7524 PPB		94
57) 1,2-Dichloropropane (CCC)	6.94	63	4153	0.4809 PPB		86
69) Tetrachloroethene	8.40	164	3555	0.4814 PPB		97
83) m&p-Xylene	9.49	106	7143	0.4797 PPB		94
95) 1,2,3-Trichloropropane	10.45	110	3003	2.8172 PPB	#	66

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

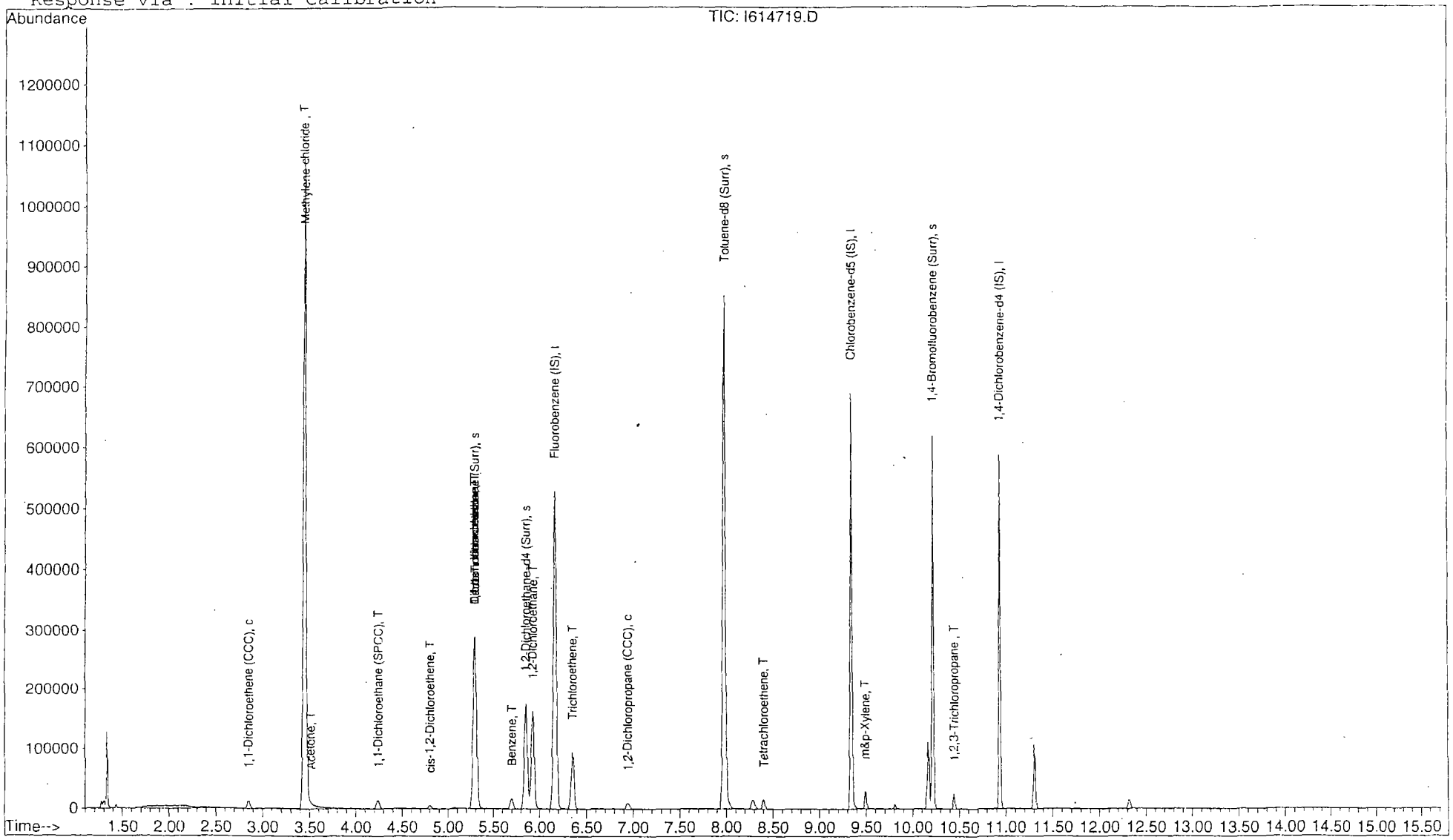
Quantitation Report

Data File : H:\MSI.I\I061407.B\I614719.D
Acq On : 14 Jun 2007 8:38 pm
Sample : J0DTN1AD;I7F060169-02 20KX,i061407
Misc : 20000,20000,
MS Integration Params: TAILA.P
Quant Time: Jun 15 13:20 19107

Vial: 19
Operator: DY
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Thu Apr 12 09:27:44 2007
Response via : Initial Calibration



187

Calibration Data

BM 3/27/07

Calibration Table Report											
Method: I70326W.M											
Title: EPA Method 8260B/624 Calibration Curve 15mL Water											
Last Calibration: Tue Mar 27 13:31:08 2007											
Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Fluorobenzene (IS)	ISTD										
Dichlorodifluoromethane	0.448	0.455	0.434	0.448	0.430	0.419	0.406	0.434	4.033		
Chloromethane (SPCC)	0.411	0.420	0.393	0.427	0.403	0.405	0.406	0.409 ✓	2.717		
Vinyl chloride (CCC)	0.286	0.283	0.273	0.300	0.279	0.276	0.271	0.281	3.512 ✓		
Bromomethane	✓	0.104	0.119	0.146	0.139	0.146	0.138	0.132	12.784		
Ethylene oxide	✓	✓	0.015	0.016	0.015	0.015	0.013	0.015	6.880		
Chloroethane	0.265	0.264	0.255	0.264	0.238	0.228	0.179	0.242	12.959		
Trichlorofluoromethane	0.499	0.497	0.474	0.489	0.458	0.439	0.413	0.467	6.930		
Ethyl ether	0.142	0.160	0.144	0.160	0.162	0.164	0.161	0.156	5.879		
Ethanol	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	17.384		
1,1-Dichloroethene (CCC)	0.264	0.256	0.246	0.264	0.254	0.251	0.243	0.254	3.293 ✓		
Carbon disulfide	0.773	0.729	0.714	0.790	0.787	0.795	0.776	0.766	4.170		
1,1,2-Trichlorotrifluoroethane	0.306	0.297	0.276	0.288	0.275	0.272	0.265	0.283	5.219		
Propylene oxide	✓	✓	0.020	0.023	0.023	0.025	0.025	0.023	8.164		
Iodomethane	0.226	0.233	0.252	0.276	0.250	0.235	0.210	0.240	8.879		
Bromoethane	0.166	0.186	0.176	0.186	0.178	0.177	0.170	0.180	3.469		
Acrolein		0.008	0.009	0.010	0.010	0.012	0.012	0.010	15.047		
3-Chloropropene	0.326	0.334	0.341	0.373	0.358	0.347	0.319	0.343	5.494		
Methylene chloride	0.268	0.269	0.245	0.262	0.249	0.247	0.242	0.255	4.390		
Acetone	✓	✓	0.019	0.021	0.020	0.021	0.024	0.021	8.945		
trans-1,2-Dichloroethene	0.301	0.306	0.287	0.309	0.291	0.279	0.268	0.292	5.147		
Methyl acetate	✓	0.022	0.019	0.021	0.020	0.021	0.022	0.021	4.306		
Hexane	0.111	0.111	0.113	0.122	0.119	0.117	0.115	0.115	3.651		
Methyl tert-butyl ether (MTBE)	0.379	0.423	0.386	0.440	0.457	0.475	0.481	0.434	9.394		
tert-Butyl alcohol	0.004	0.004	0.003	0.005	0.006	0.006	0.007	0.005	25.378	0.996	
Acetonitrile	✓	✓	0.004	0.004	0.005	0.005	0.005	0.004	12.313		

Calibration Files											
	1	2	5	10	20	50	100				
	1326705.D	1326706.D	1326707.D	1326708.D	1326709.D	1326710.D	1326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Isopropyl ether	0.648	0.707	0.686	0.783	0.796	0.806	0.786	0.745	8.465		
2-Chloro-1,3-butadiene	0.186	0.196	0.203	0.232	0.234	0.240	0.239	0.219	10.438		
1,1-Dichloroethane (SPCC)	0.551	0.565	0.531	0.576	0.546	0.536	0.508	0.545 ✓	4.130		
Acrylonitrile	✓	0.035	0.033	0.038	0.038	0.040	0.040	0.037	6.830		
Vinyl acetate	✓	0.191	0.185	0.227	0.250	0.273	0.279	0.234	17.118		
cis-1,2-Dichloroethene	0.296	0.299	0.286	0.307	0.288	0.278	0.269	0.289	4.450		
2,2-Dichloropropane	0.361	0.372	0.370	0.415	0.416	0.433	0.434	0.400	7.854		
Cyclohexane	0.723	0.734	0.732	0.781	0.742	0.713	0.664	0.727	4.818		
Bromochloromethane	0.124	0.124	0.112	0.119	0.116	0.117	0.114	0.118	3.894		
2-Methylhexane	0.565	0.621	0.614	0.648	0.627	0.596	0.546	0.603	5.997		
Chloroform (CCC)	0.479	0.483	0.449	0.481	0.459	0.454	0.436	0.463	3.972 ✓		
Carbon tetrachloride	0.311	0.310	0.308	0.333	0.325	0.332	0.324	0.320	3.372		
3-Methylhexane	0.246	0.263	0.255	0.276	0.270	0.261	0.244	0.259	4.589		
Ethyl acetate	0.065	0.081	0.071	0.094	0.096	0.107	0.130	0.092	24.069		1.000
Tetrahydrofuran	0.038	0.044	0.035	0.044	0.048	0.051	0.044	0.043	12.741		
Dibromofluoromethane (Surr)	0.235	0.231	0.221	0.238	0.230	0.226	0.217	0.228	3.297		
1,1,1-Trichloroethane	0.384	0.398	0.389	0.421	0.407	0.408	0.398	0.401	3.133		
1,1-Dichloropropene	0.406	0.414	0.407	0.450	0.433	0.432	0.422	0.423	3.784		
2-Butanone (MEK)	✓	✓	0.035	0.035	0.036	0.038	0.039	0.037	5.221		
Benzene	1.310	1.337	1.260	1.335	1.268	1.240	1.169	1.274	4.690		
Heptane	0.220	0.241	0.249	0.272	0.265	0.258	0.242	0.249	6.918		
Propionitrile	✓	0.011	0.009	0.010	0.010	0.010	0.011	0.010	7.848		
Methacrylonitrile	0.037	0.044	0.042	0.050	0.052	0.053	0.052	0.047	13.342		
1,2-Dichloroethane-d4 (Surr)	0.140	0.139	0.118	0.128	0.124	0.118	0.117	0.126	7.693		
1,2-Dichloroethane	0.272	0.279	0.257	0.273	0.268	0.264	0.250	0.266	3.825		
Isobutyl alcohol	✓	✓	0.001	0.002	0.002	0.002	0.003	0.002	31.469	0.996	
Methylcyclohexane	0.559	0.564	0.546	0.585	0.557	0.540	0.498	0.550	4.896		
Trichloroethene	0.299	0.304	0.287	0.307	0.295	0.294	0.282	0.295	3.052		
Dibromomethane	0.096	0.094	0.087	0.096	0.095	0.093	0.087	0.093	4.078		
n-Butanol	✓	0.001	0.001	0.001	0.001	0.001	0.002	0.001	47.949		1.000
1,2-Dichloropropane (CCC)	0.259	0.266	0.255	0.279	0.275	0.276	0.269	0.268	3.390 ✓		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707 D	I326708.D	I326709 D	I326710.D	I326711 D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
Bromodichloromethane	0.264	0.267	0.256	0.290	0.293	0.307	0.307	0.284	7.454		
1,4-Dioxane	✓	✓	0.000	0.000	0.001	0.001	0.001	0.001	20.723	OK BM 3/27/04	
Methyl methacrylate	0.041	0.046	0.046	0.062	0.076	0.090	0.097	0.066	34.615	0.998	
1-Bromo-2-chloroethane	0.230	0.248	0.227	0.256	0.254	0.261	0.263	0.249	5.891		
cis-1,3-Dichloropropene	0.265	0.298	0.303	0.362	0.380	0.404	0.408	0.346	16.453		
2-Chloroethyl vinyl ether	✓	✓	0.036	0.047	0.053	0.061	0.064	0.052	21.905	1.000	
Toluene-d8 (Surr)	0.914	0.954	0.940	1.046	1.018	1.009	0.970	0.979	4.840		
Chlorobenzene-d5 (IS)	ISTD										
Toluene (CCC)	6.547	6.701	6.394	6.958	6.553	6.446	6.406	6.572	3.055 ✓		
Epichlorohydrin	✓	✓	0.031	0.040	0.043	0.045	0.048	0.041	16.305		
2-Nitropropane to be updated →	✓	0.070	0.057	0.071	0.082	0.105	0.135	0.087	33.263		1.000
Tetrachloroethene	1.321	1.336	1.257	1.355	1.285	1.296	1.346	1.314	2.711		
4-Methyl-2-pentanone (MIBK)	✓	0.266	0.254	0.321	0.382	0.435	0.481	0.357	25.672	0.996	
trans-1,3-Dichloropropene	1.013	1.139	1.126	1.381	1.456	1.565	1.659	1.334	18.378		
1,1,2-Trichloroethane	0.741	0.759	0.705	0.771	0.754	0.755	0.787	0.753	3.393		
4-Methyl-2-pentanol (MIBC)	✓	0.024	0.020	0.027	0.037	0.052	0.075	0.039	53.293		1.000
Ethyl methacrylate	0.364	0.429	0.494	0.690	0.859	0.975	1.086	0.700	40.357	0.997	
Dibromochloromethane	0.587	0.639	0.592	0.712	0.751	0.798	0.858	0.705	14.774		
1,3-Dichloropropane	1.491	1.578	1.434	1.572	1.519	1.532	1.563	1.527	3.377		
1,2-Dibromoethane (EDB)	0.564	0.605	0.572	0.650	0.654	0.668	0.709	0.632	8.447		
2-Hexanone	✓	✓	0.123	0.168	0.209	0.254	0.300	0.211	33.024	0.996	
Chlorobenzene (SPCC)	4.028	3.994	3.690	3.941	3.712	3.617	3.454	3.777 ✓	5.710		
1-Chlorohexane	1.908	1.707	1.508	1.572	1.461	1.344	1.260	1.537	14.266		
Ethylbenzene (CCC)	2.152	2.197	2.161	2.331	2.201	2.183	2.134	2.194	2.965 ✓		
1,1,1,2-Tetrachloroethane	1.027	1.046	0.953	1.082	1.067	1.087	1.127	1.056	5.237		
m&p-Xylene	2.557	2.723	2.666	2.873	2.771	2.617	2.338	2.649	6.478		
o-Xylene	2.116	2.267	2.275	2.582	2.498	2.487	2.439	2.380	6.923		
Bromoform (SPCC)	0.226	0.246	0.227	0.281	0.297	0.334	0.365	0.282 ✓	18.939		
Styrene	2.244	2.733	3.072	3.695	3.796	3.845	3.823	3.315	19.307		
Isopropylbenzene	5.553	6.016	6.055	6.735	6.414	6.253	5.951	6.140	6.112		
Bromobenzene	1.030	1.115	1.044	1.149	1.131	1.140	1.160	1.110	4.679		

Calibration Files											
	1	2	5	10	20	50	100				
	I326705.D	I326706.D	I326707.D	I326708.D	I326709.D	I326710.D	I326711.D				
Compound								Avg RF	%RSD	LR	QR
										≥0.995	≥0.990
n-Propylbenzene	1.431	1.597	1.625	1.777	1.703	1.688	1.636	1.637	6.638		
1,1,2,2-Tetrachloroethane (SPCC)	0.615	0.640	0.566	0.630	0.638	0.638	0.638	0.624 ✓	4.332		
1,4-Bromofluorobenzene (Surr)	1.681	1.560	1.492	1.664	1.615	1.606	1.609	1.604	3.962		
1,4-Dichlorobenzene-d4 (IS)	ISTD										
2-Chlorotoluene	1.194	1.189	1.182	1.257	1.200	1.176	1.155	1.193	2.659		
Cyclohexanone	✓	✓	0.003	0.004	0.004	0.005	0.005	0.004	26.841	0.998	
1,2,3-Trichloropropane	0.183	0.191	0.176	0.188	0.187	0.184	0.185	0.185	2.539		
trans-1,4-Dichloro-2-butene	✓	0.024	0.020	0.030	0.039	0.048	0.059	0.036	40.718		1.000
3-Ethyltoluene	4.313	4.656	4.872	5.341	5.068	4.926	4.562	4.820	7.072		
4-Chlorotoluene	1.119	1.189	1.196	1.265	1.209	1.191	1.172	1.192	3.664		
1,3,5-Trimethylbenzene	3.832	4.086	4.301	4.643	4.419	4.266	3.951	4.214	6.625		
2-Ethyltoluene	4.490	4.696	4.876	5.215	4.986	4.834	4.547	4.806	5.265		
tert-Butylbenzene	2.306	2.418	2.453	2.612	2.432	2.375	2.227	2.403	5.043		
Pentachloroethane	0.331	0.324	0.326	0.354	0.368	0.394	0.401	0.357	9.040		
1,2,4-Trimethylbenzene	3.613	3.850	4.036	4.342	4.201	4.109	3.870	4.003	6.113		
sec-Butylbenzene	5.199	5.461	5.576	5.982	5.649	5.387	5.000	5.465	5.819		
p-Isopropyltoluene	3.657	4.088	4.389	4.771	4.586	4.475	4.125	4.299	8.659		
1,3-Dichlorobenzene	1.987	2.052	1.899	2.015	1.936	1.918	1.878	1.955	3.282		
1,4-Dichlorobenzene	2.130	2.038	1.880	1.999	1.901	1.886	1.845	1.954	5.327		
Benzyl chloride	✓	0.083	0.088	0.120	0.147	0.190	0.215	0.141	38.289	0.996	
n-Butylbenzene	0.832	0.895	0.980	1.105	1.078	1.071	1.014	0.996	10.198		
1,2-Dichlorobenzene	1.529	1.531	1.439	1.547	1.503	1.505	1.511	1.509	2.311		
1,3,5-Trichlorobenzene	1.069	1.112	1.062	1.169	1.164	1.179	1.053	1.115	4.917		
1,2-Dibromo-3-chloropropane (DBCP)	✓	✓	0.034	0.045	0.047	0.057	0.067	0.050	25.186	0.996	
Hexachlorobutadiene	0.478	0.483	0.455	0.476	0.474	0.472	0.444	0.469	2.957		
1,2,4-Trichlorobenzene	0.600	0.643	0.591	0.681	0.704	0.771	0.737	0.675	10.036		
Naphthalene	✓	0.517	0.497	0.675	0.820	1.072	1.118	0.783	34.322	0.998	
1,2,3-Trichlorobenzene	0.369	0.420	0.366	0.438	0.474	0.535	0.509	0.445	14.696		
Tue Mar 27 14:11:51 2007											

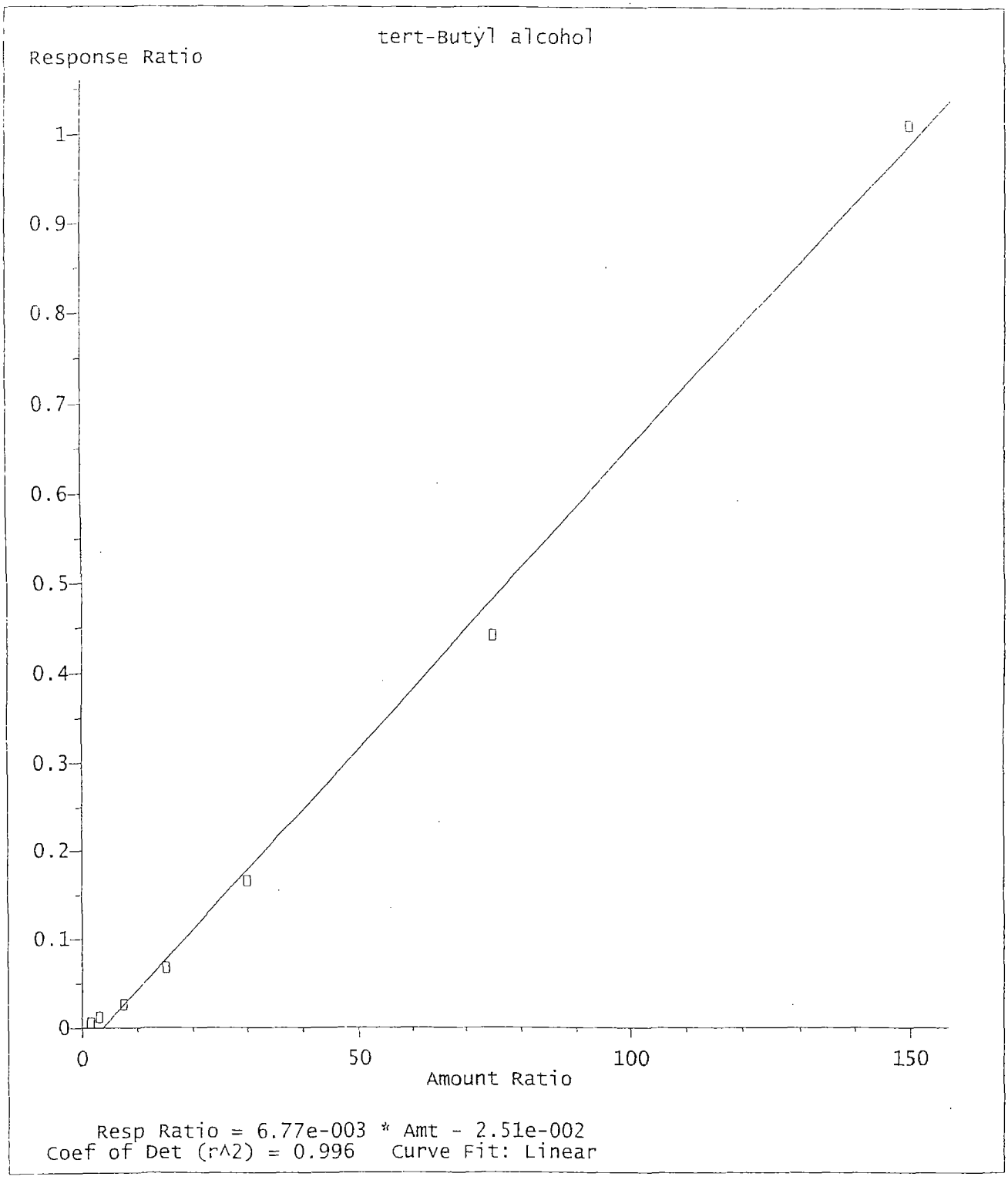
INITIAL CALIBRATION REVIEW FORM

Instrument	MSI
Date Analyzed	3/26/07
Matrix	Water

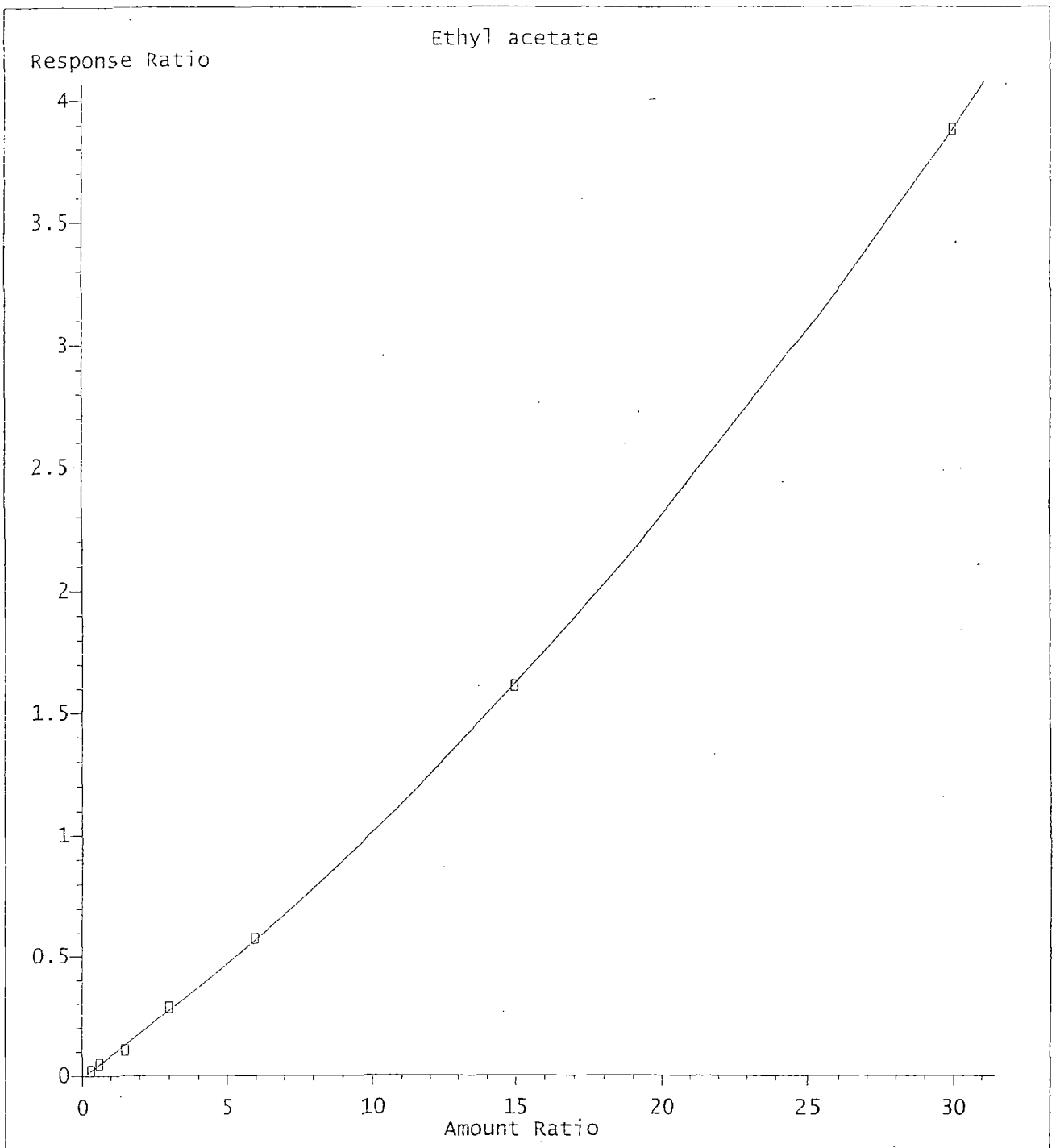
	Analyst check	Peer Reviewer check
Checked to be sure all CCC and SPCC compounds pass criteria.	✓	✓
Checked to be sure all other compounds pass one of the following criteria: RSD<20 for Avg RF, r^2>=0.995 for linear, r^2 >=0.990 for quadratic(minimum 6 points)	✓	✓
Checked to be sure correct levels were used (i.e. none inappropriately skipped).	✓	✓
Checked to be sure that there are at least 5 points for each compound.	✓	✓
Checked to be sure the internal standard concentration is correct (i.e. 16.7 for waters, 50.0 for soils).	✓	✓
Checked to be sure that lowest point matches SOP PQL.	✓	✓
Checked INITIAL CALIBRATION CHECK FORM to be sure all analytes were picked up (i.e. there were no RT values of 0).	✓	✓
Checked INITIAL CALIBRATION CHECK FORM to be sure all isomers have unique RTs (i.e. no analytes at same RT with same primary ion).	✓	✓
Checked that the quant reports for manually-integrated compounds are in the folder and the area counts match those in the method.	✓	✓
If additional compound(s) calibrated for separately, be sure they use appropriate additional levels (e.g. 1a,2a,3a,4a,5a).	N/A	✓
Included a tune file and sequence file in the ICAL folder.	✓	✓
Included a list of compounds form (shows fit) and plots for those analytes using linear regression (if applicable).	✓	✓
Print ICV form for data folder and instrument. Write NCM for failing ICVs and print NCM for data folder.	N/A	✓
Ran CALEXCEL and saved .csv file in data subdirectory.	✓	✓
Copy Data for Curve Date to Appropriate "DataForCurrentCurve" folder	✓	✓
Verify that (CCV and LCS) macro forms are picking up all analytes	✓	✓
Initial/Date	BM 3/27/07	DW 3-27-07

If new analyst or reviewing a new analyst, please take extra time and care.

Notes: BMD



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

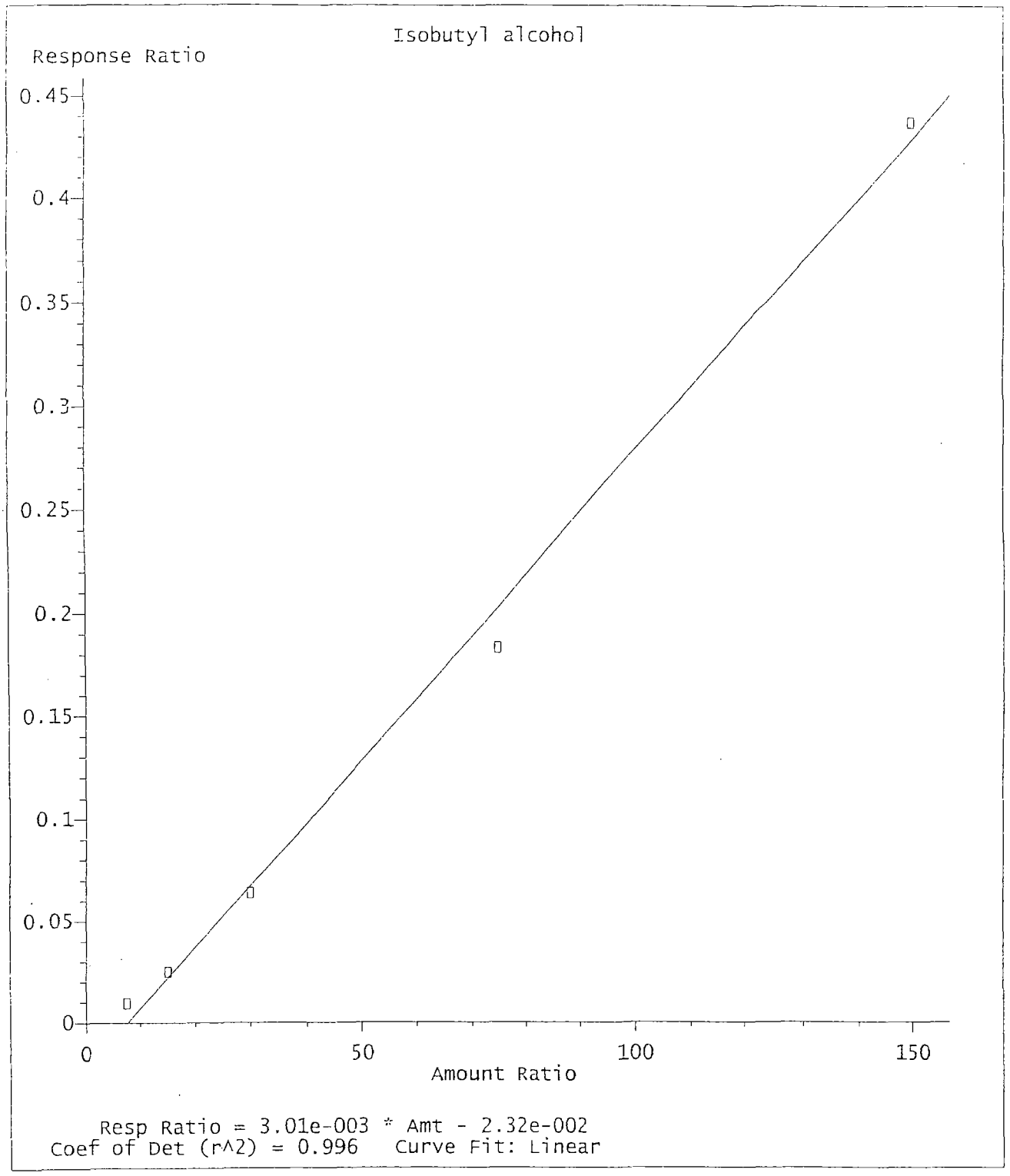


R = 1.43e-003 A*A + 8.69e-002 A - 6.69e-003
Curve Fit: Quadratic

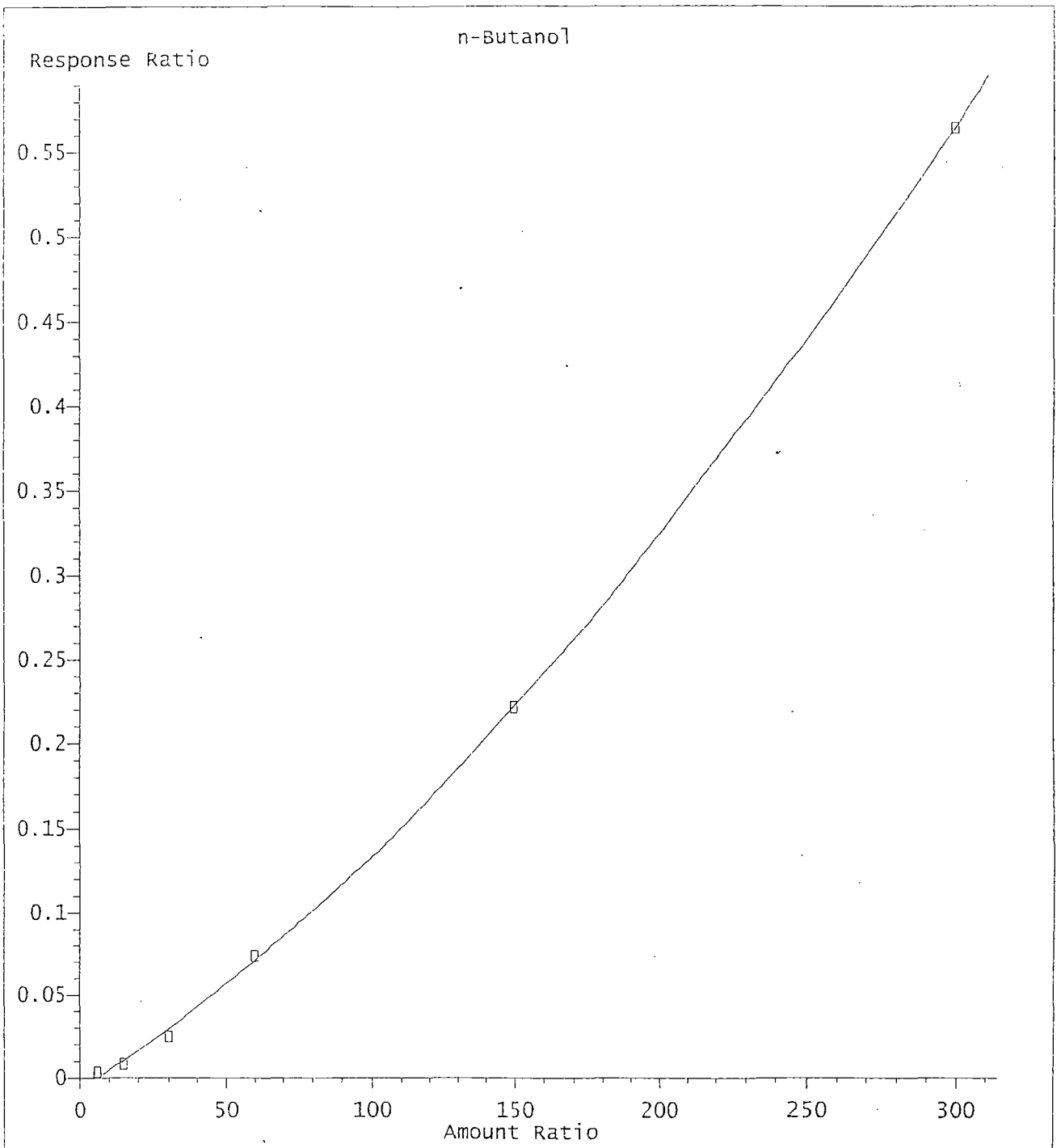
$R^2 = 1.000$
6 pts

BM
MAR 27 2007

Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



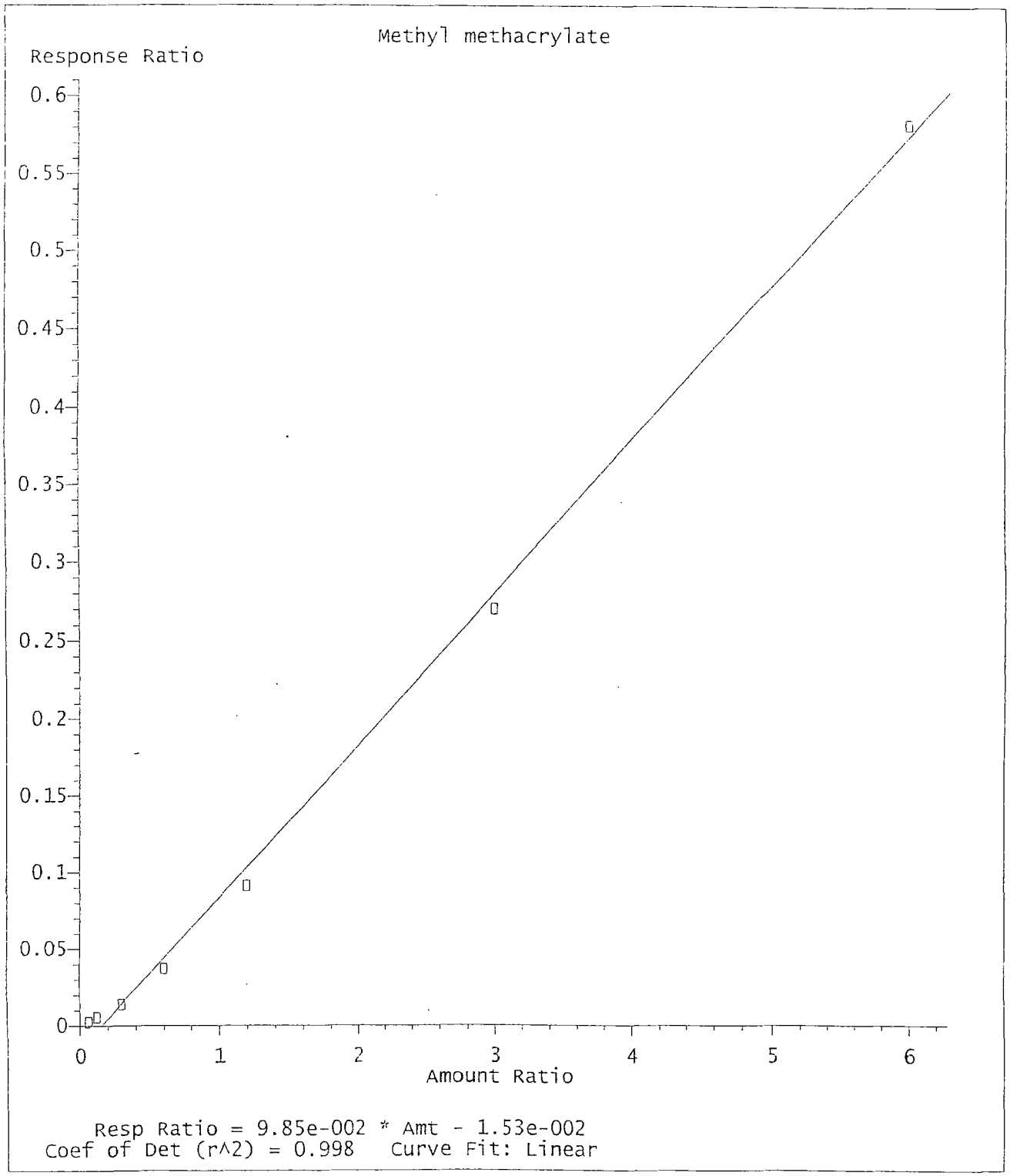
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



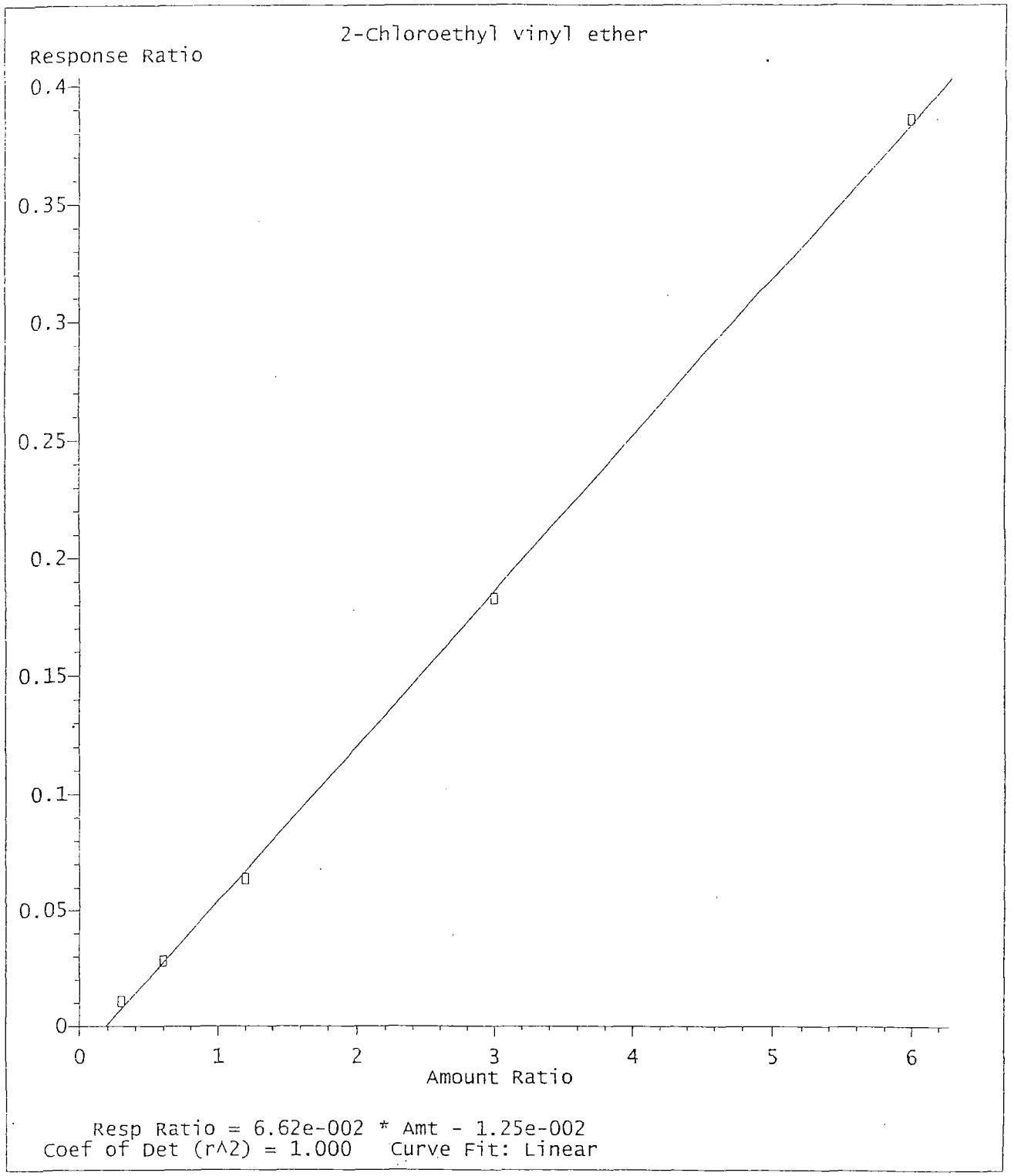
R = 2.54e-006 A*A + 1.15e-003 A - 7.24e-003
Curve Fit: Quadratic

R^2 = 1.000 ✓ 10 pts BM MAR 27 2007

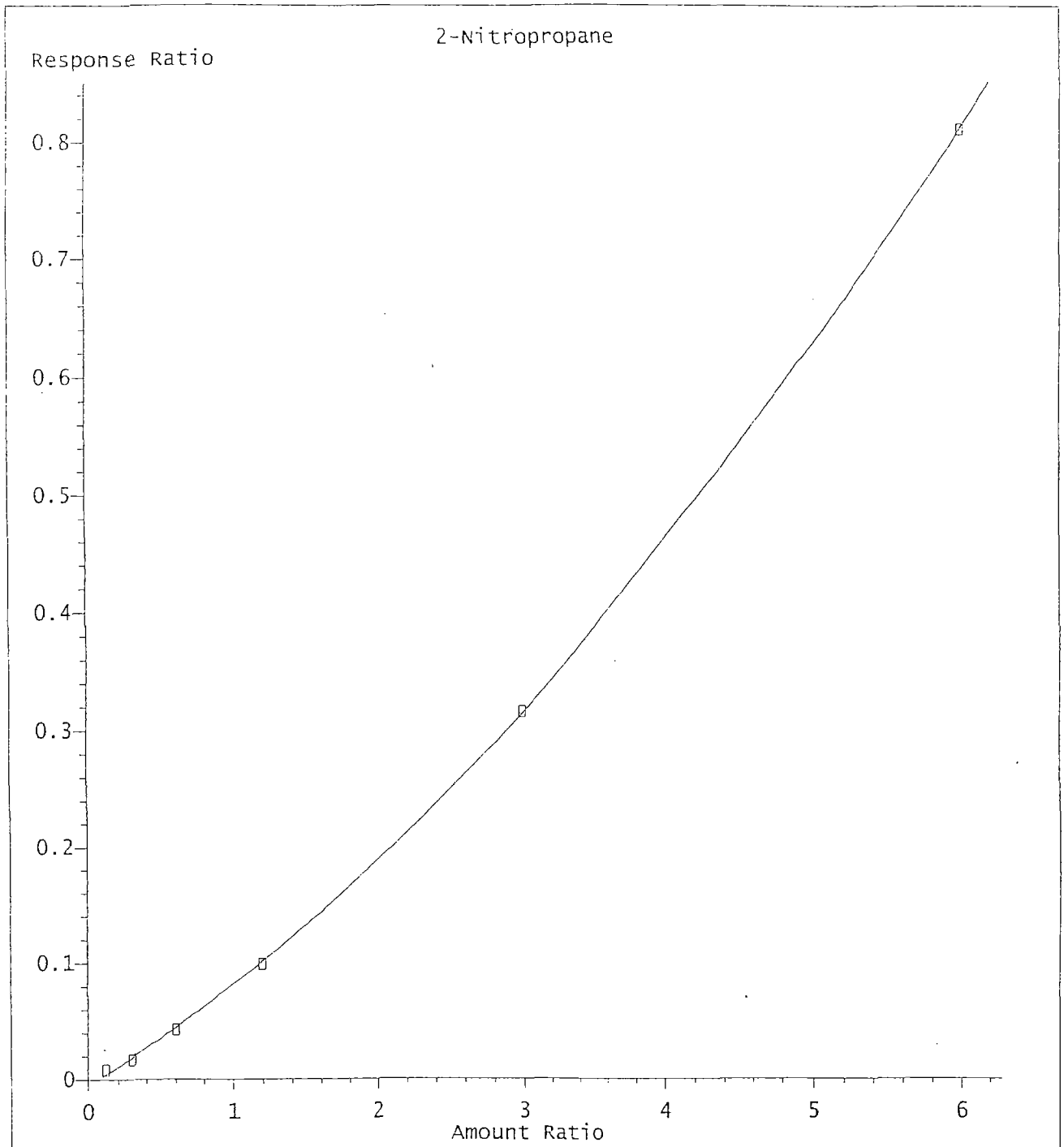
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

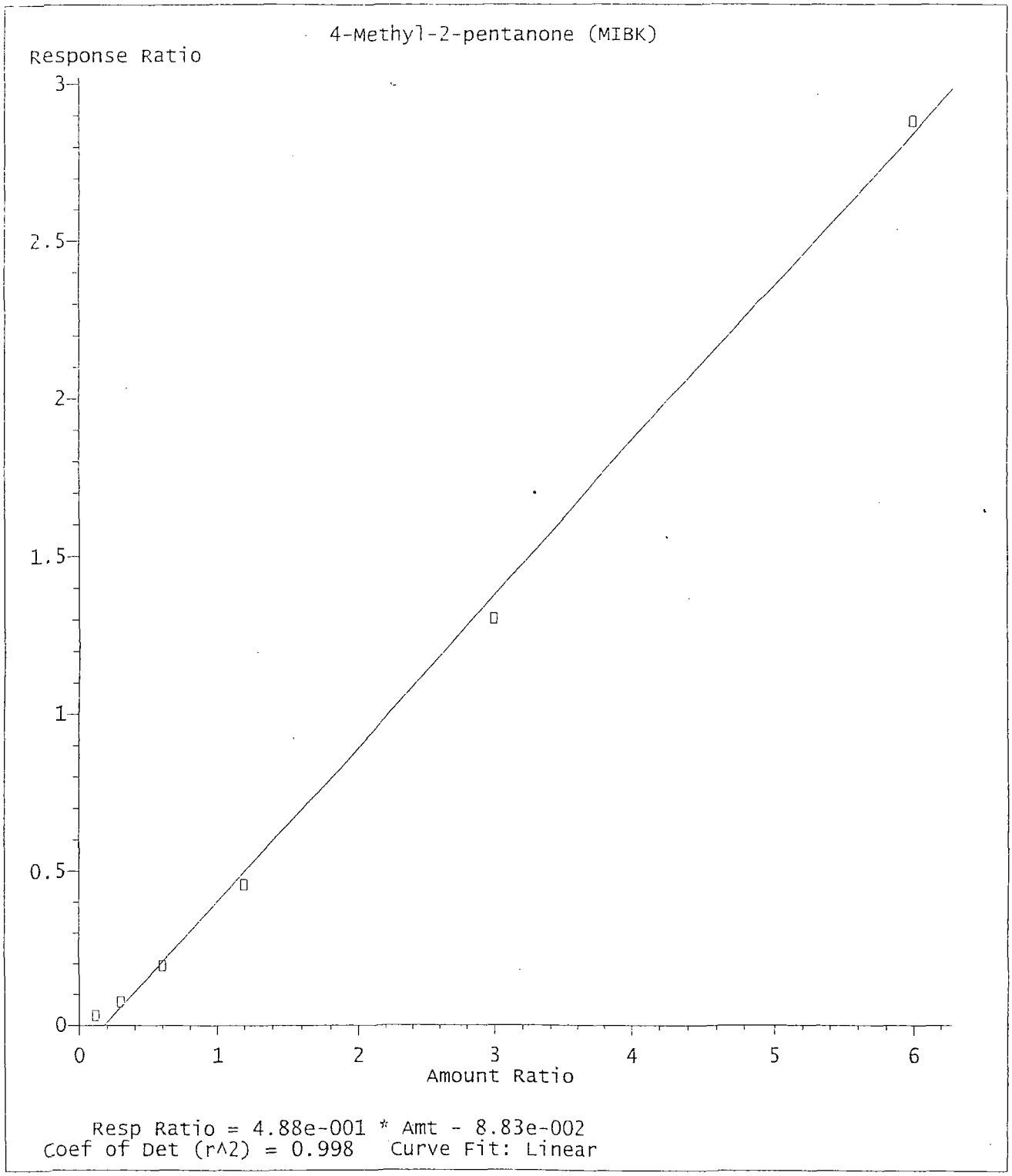


R = 1.00e-002 A*A + 7.65e-002 A - 5.00e-003
Curve Fit: Quadratic

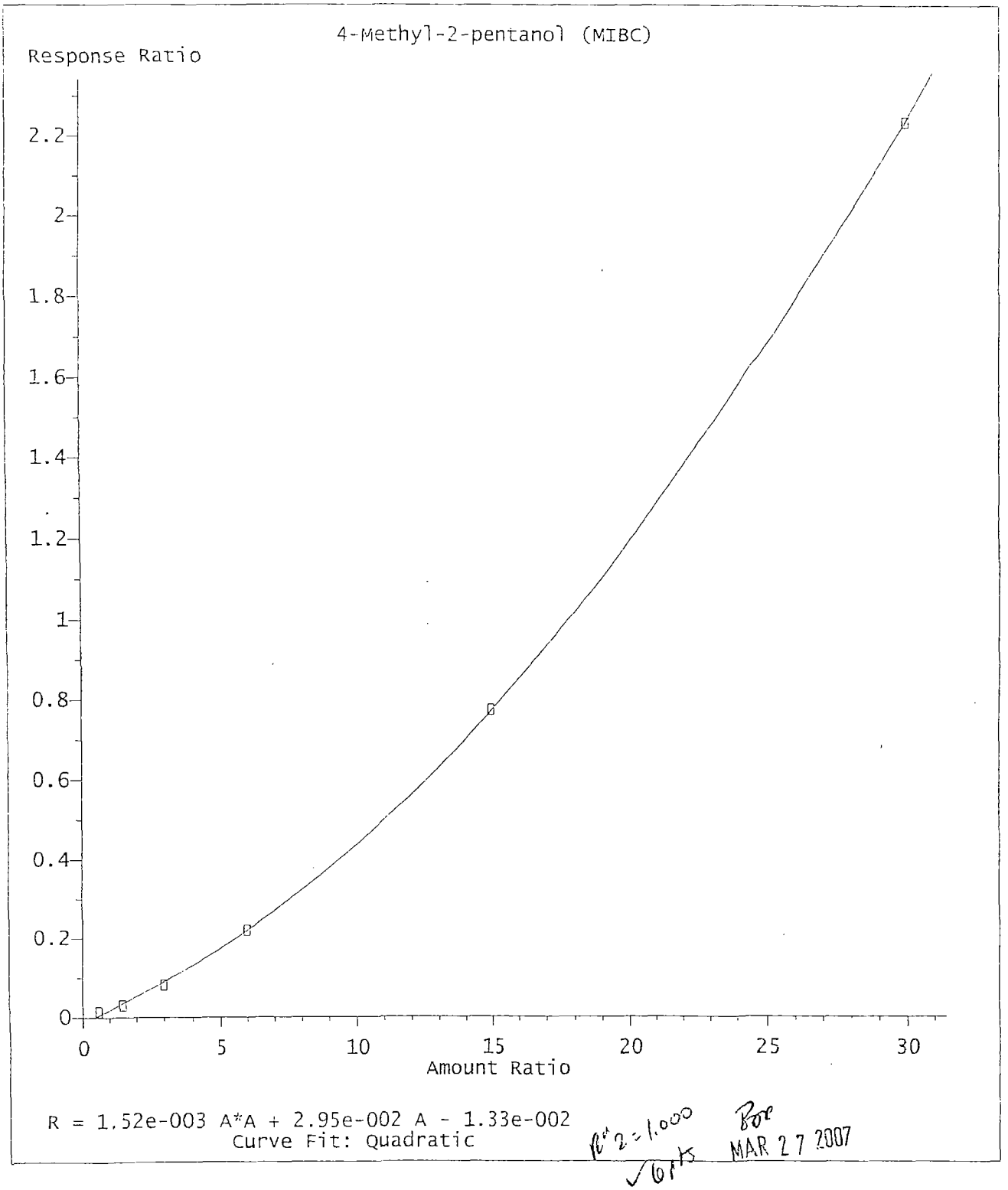
R^2 = 1.000
✓ 6 pts

BOP
MAR 27 2007

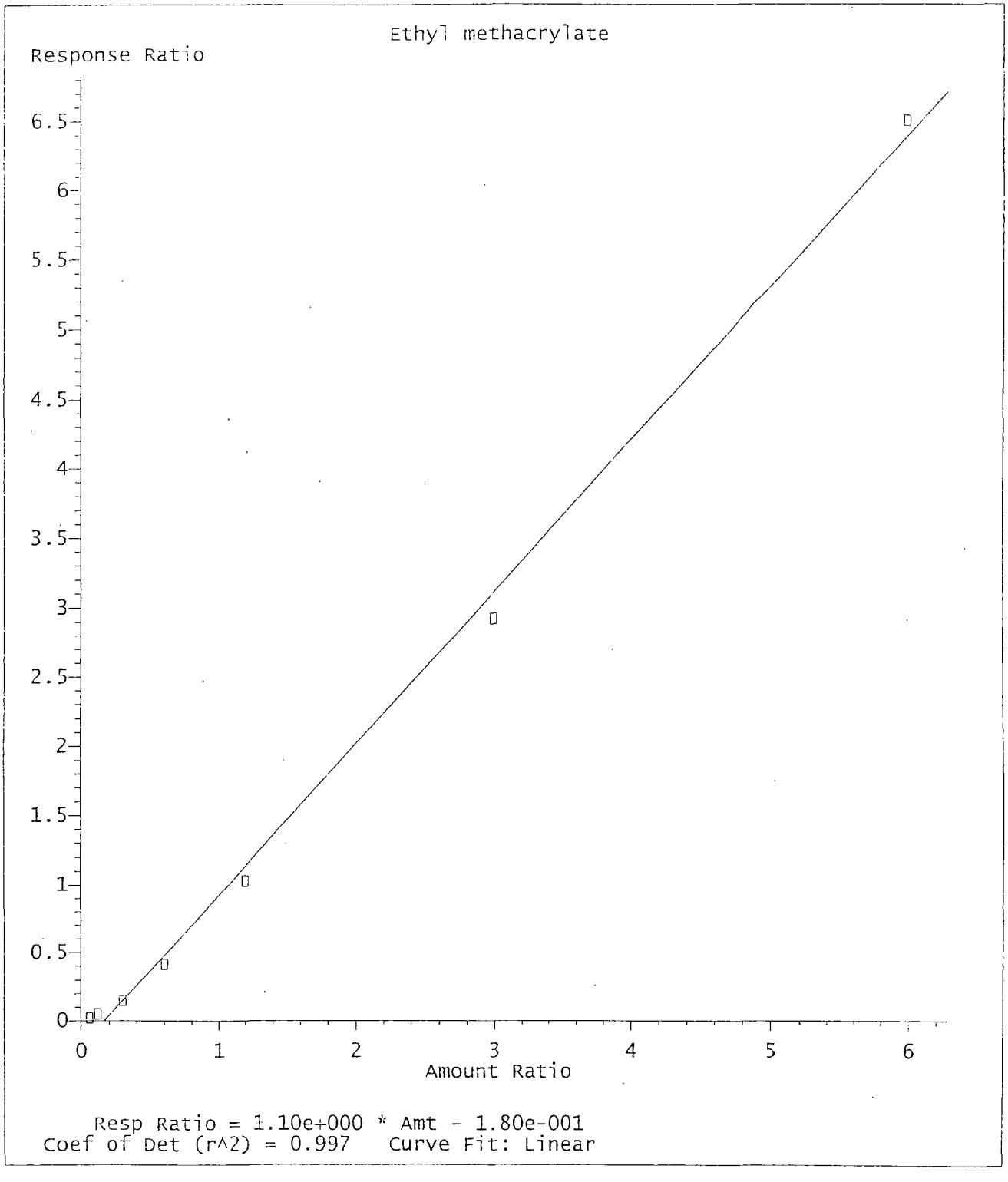
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



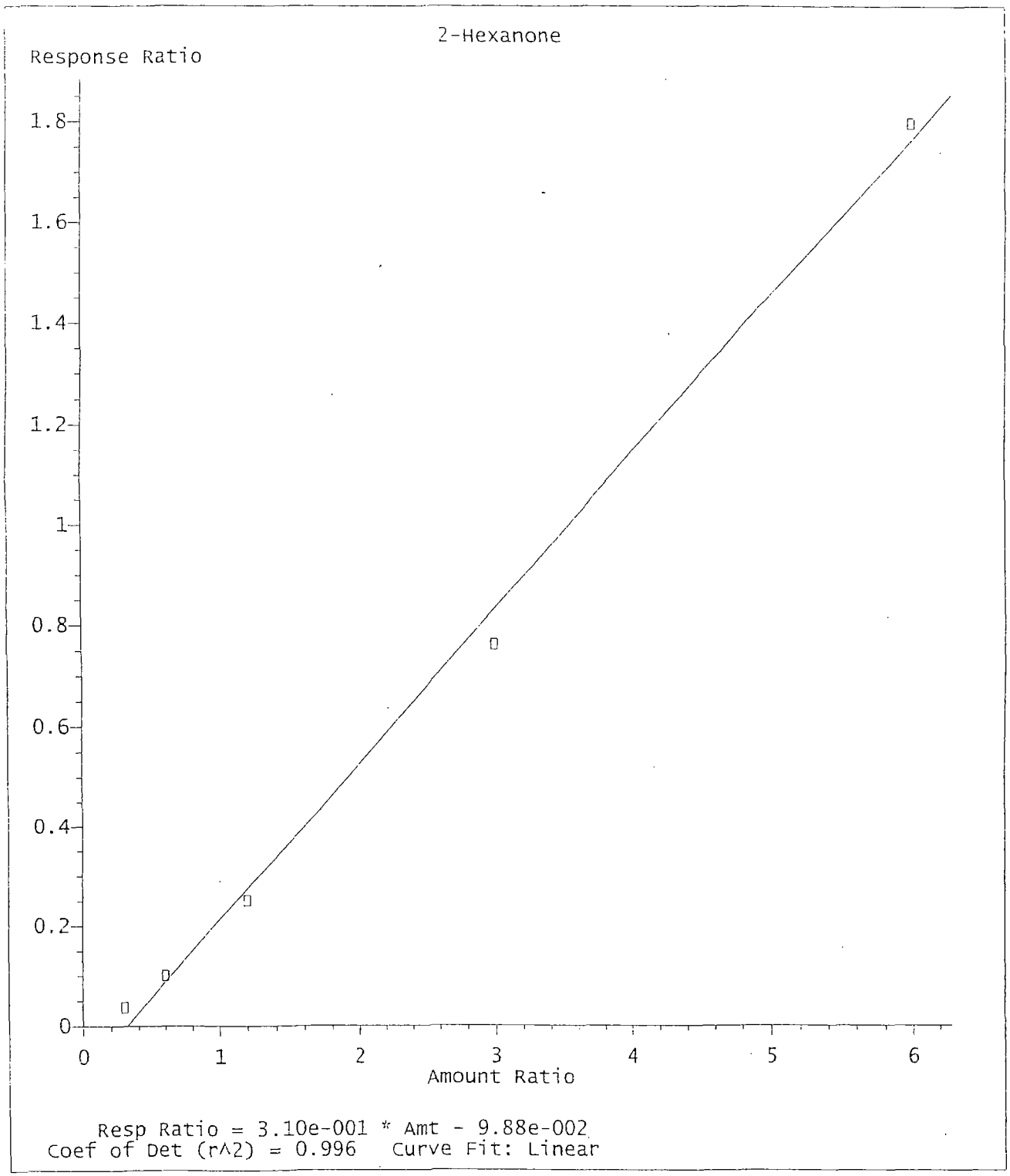
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



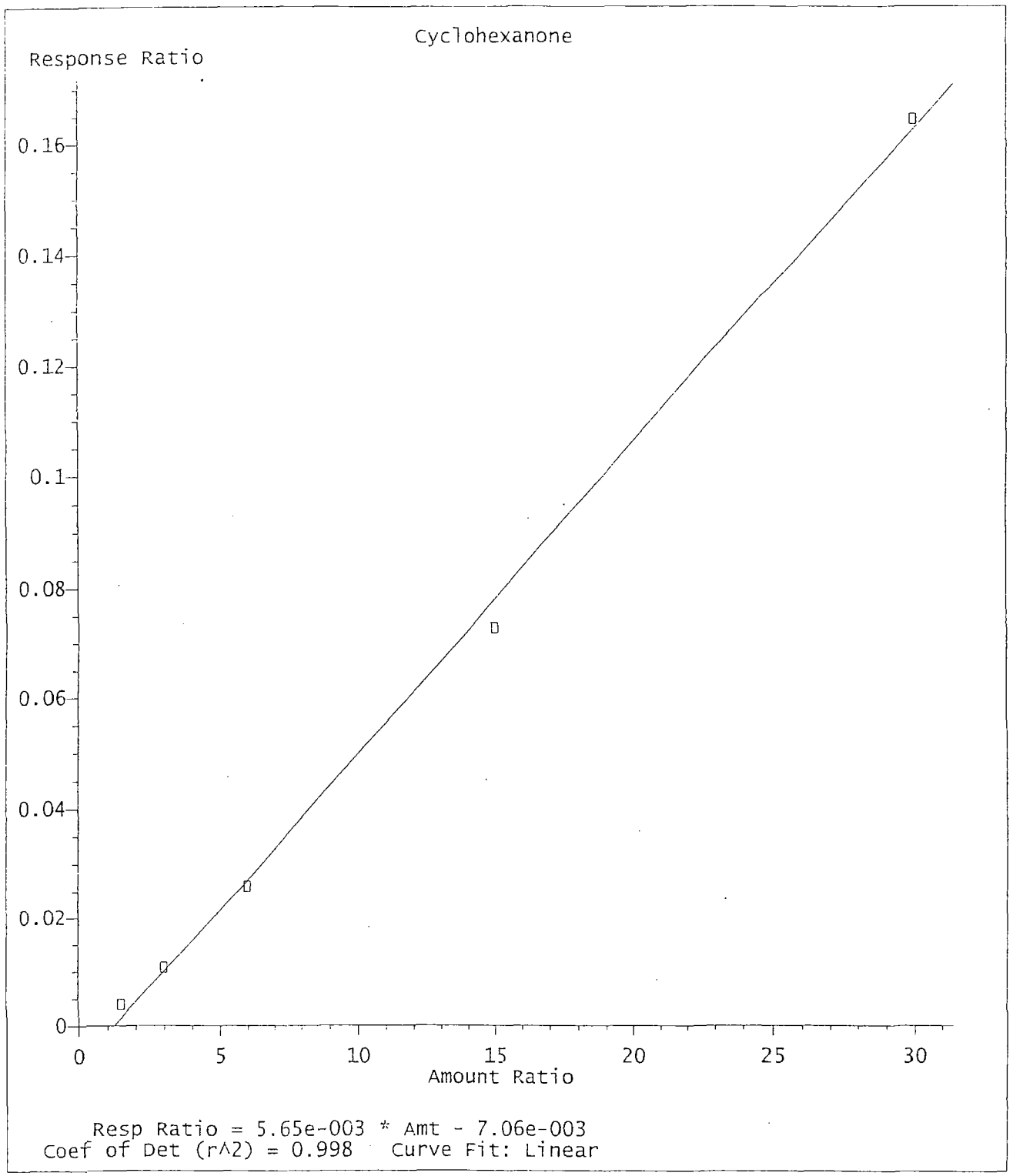
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



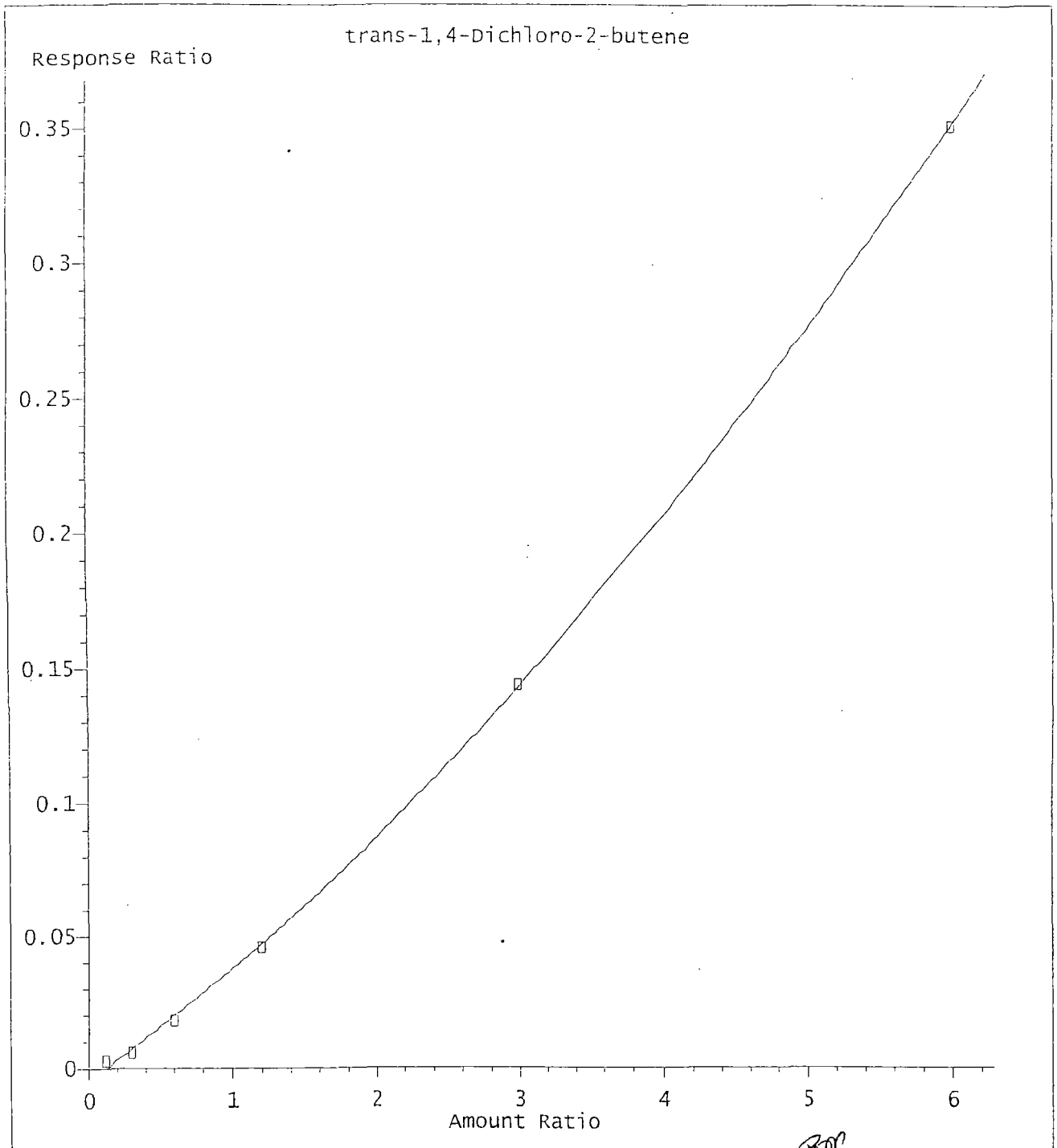
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



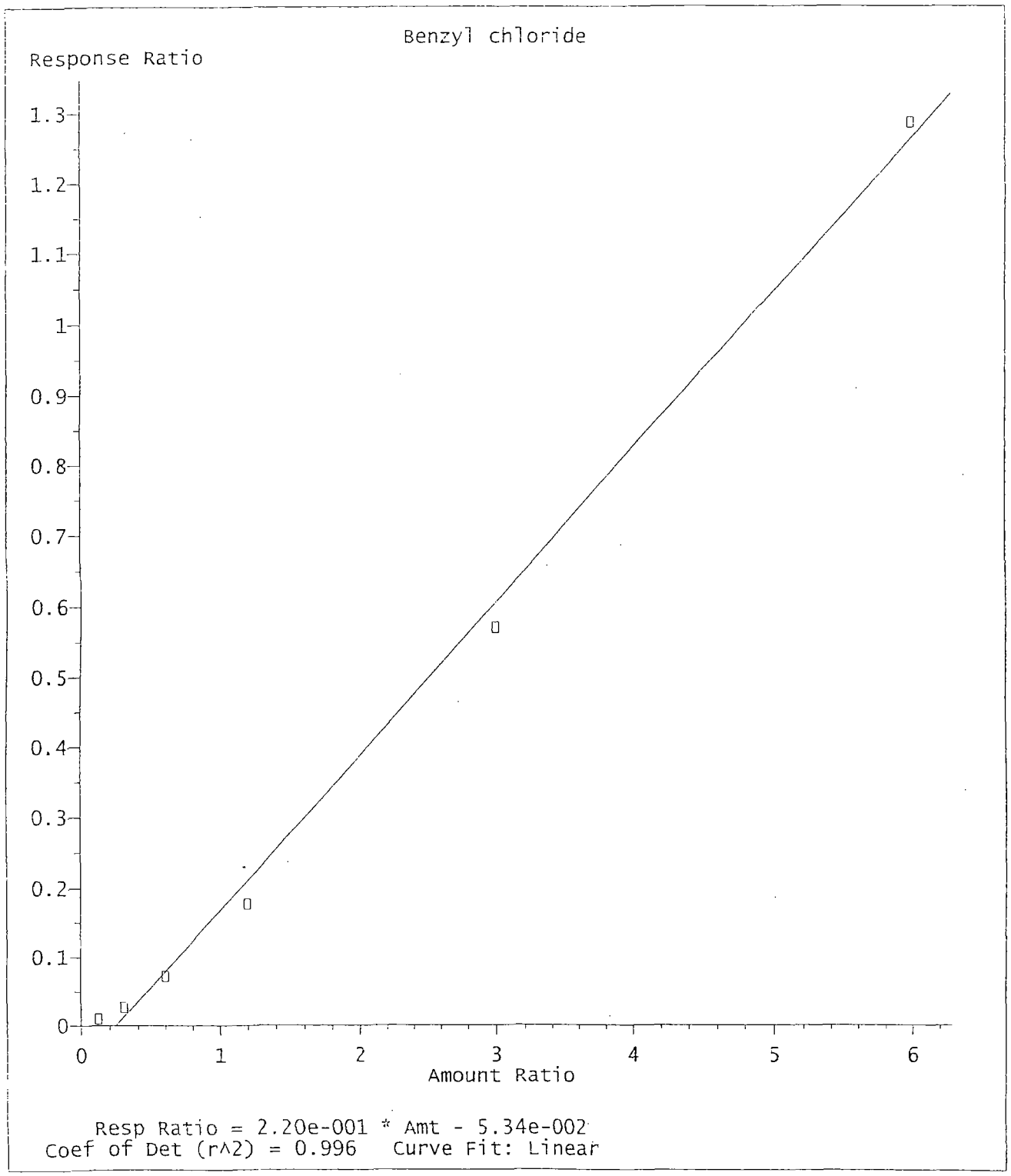
R = 3.44e-003 A*A + 3.89e-002 A - 4.81e-003
Curve Fit: Quadratic

R^2 = 1.000
6 pts

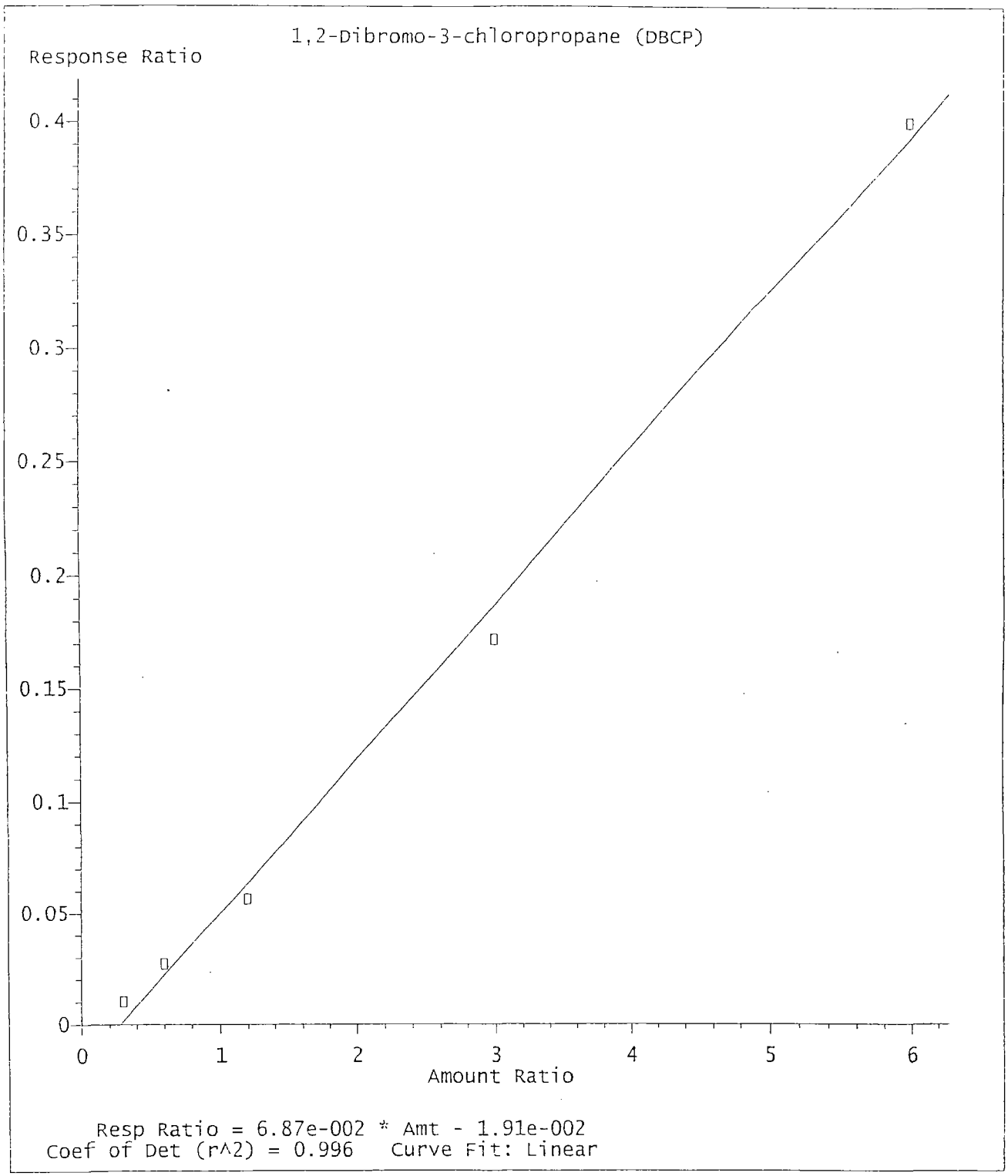
BDM

MAR 27 2007

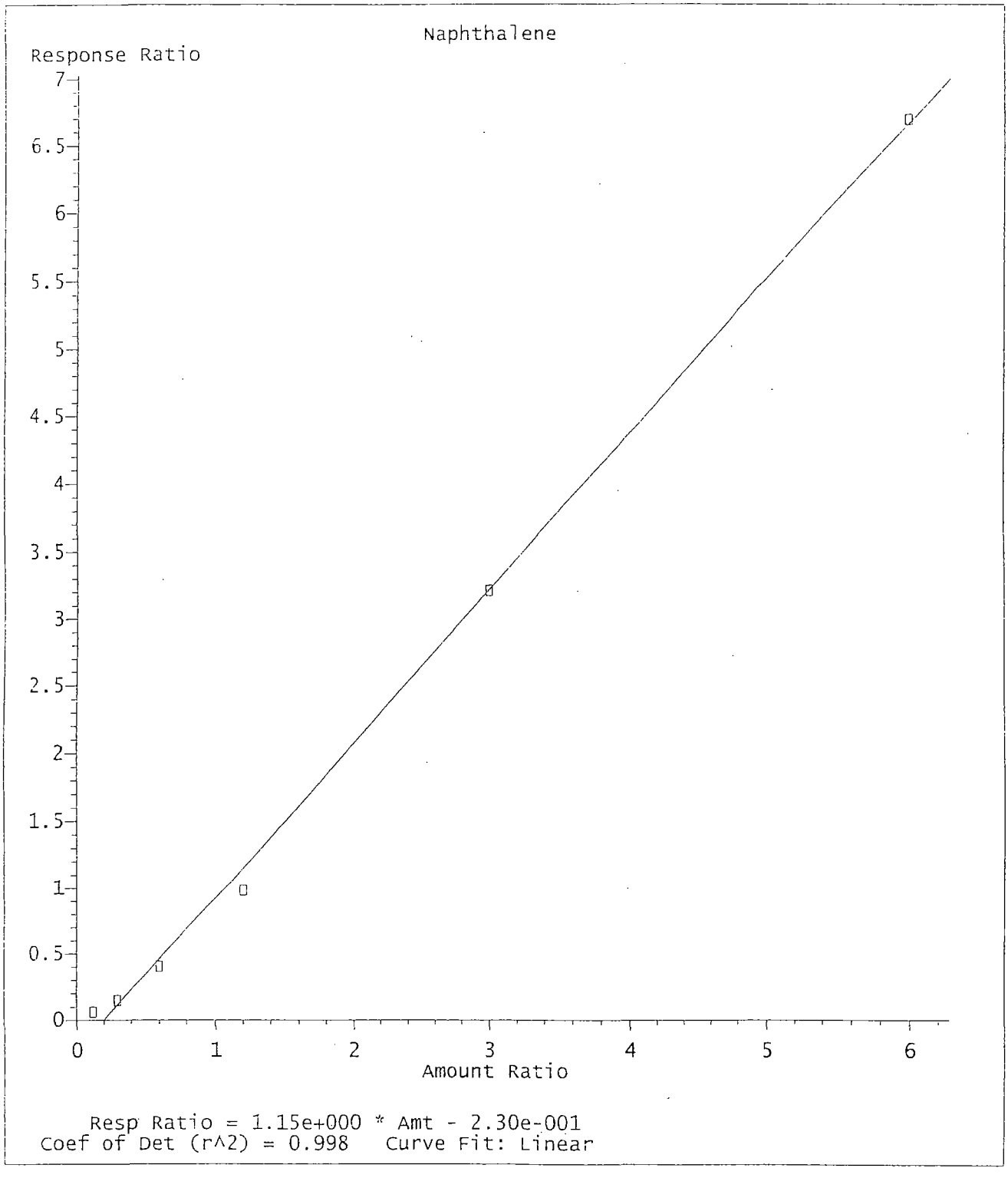
Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007



Method Name: H:\MSI.I\METHODS\I70326W.M
Calibration Table Last Updated: Tue Mar 27 13:31:08 2007

STL AUSTIN

INSTRUMENT GCMS-11
SHIFT (Circle): 1 2 3
COMPUTER CLOCK DATE / TIME: 3/26/07 17:12

ANALYST / DATE: BOM 3/26/07
METHOD / TEST: 8260B
SOP #: AUS-MS-0004, current revision

DAILY CHECK ✓	COLUMN CHANGED N	P&T MAINT. (Describe) N	
M PUMP OIL N	TURBO OIL N	FILAMENT CHANGE N	OTHER N

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, etc. Column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: Atune.u
Elect Mult. 1153 volts
Tuning Performance: BFB
Sampling Rate 2^N 4
Scan Range 35-300 amu
Interface: Open-Split

GC PROGRAM:

GC Meth. I70326W
Inj. Temp 150 C
Carrier Gas: Helium
Flow/Pressure 1.3
Initial Temp. 35 C
Init.Hold 2 min
Ramp 9 C/min
Final Temp. 85 C
Final Hold 0 min
2nd Ramp 30 C/min
2nd Temp 210 C
2nd Hold 4 min
3rd Ramp C/min
3rd Temp C
3rd Hold min

GC COLUMN:

Column ID#: MSVOAID 010
Phases/Loadings: RTXVMS
Capillary i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap Tekmar Velocity/Solatek
Split 120:1 Splitless

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

1 ~~I326701 I70326W BLANK;BLANK~~
2 ~~I326702 I70326W BLANK;BLANK~~
3 ~~I326703 I70326W BLANK;BLANK~~
4 ~~I326704 I70326W BLANK;BLANK~~
} not used warm up/stability check. BOM 3/27/07
5 I326705 I70326W STD 1 PPB;ALL ANALYTES 17:12
6 I326706 I70326W STD 2 PPB;ALL ANALYTES
7 I326707 I70326W STD 5 PPB;ALL ANALYTES
8 I326708 I70326W STD 10 PPB;ALL ANALYTES
9 I326709 I70326W STD 20 PPB;ALL ANALYTES
10 I326710 I70326W STD 50 PPB;ALL ANALYTES
11 I326711 I70326W STD 100 PPB;ALL ANALYTES
12 ~~I326712 I70326W BLANK;BLANK~~
13 ~~I326713 I70326W BLANK;BLANK~~
14 ~~I326714 I70326W BLANK;BLANK~~
15 ~~I326715 I70326W BLANK;BLANK~~
16 ~~I326716 I70326W BLANK;BLANK~~
} not used - clean up check BOM 3/27/07
17 I326717 I70326W ICV 50 PPB;COMPOSITE MIX,COMP
18 I326718 I70326W ICV 50 PPB;SUPELCO MIX 5,MIX5
19 I326719 I70326W ICV 50 PPB;ULTRA CUSTOM MIX,U
20 I326720 I70326W ICV 50 PPB;REACTIVES MIX;RC
21 I326721 I70326W ICV 50 PPB;SPECIAL ANALYTES Mix
22 I326722 I70326W ICV 50 PPB;t-1,4-dichloro-2-butene Rem

Sequence Name: H:\MSI.I\SEQUENCE\I032607.S
Comment:
Operator: BJP
Data Path: C:\HPCHEM\1\DATA\I032607.B\
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	Blank	~~1~~	~~I326701~~	~~I70326W~~	~~BLANK;BLANK~~
2	Blank	~~2~~	~~I326702~~	I70326W	BLANK;BLANK
3	Blank	3	I326703	I70326W	BLANK;~~BLANK~~
4	Blank	4	~~I326704~~	~~I70326W~~	~~BLANK;BLANK~~
5	Blank	5	I326705	I70326W	STD 1 PPB;ALL ANALYTES 17:12
6	Blank	6	I326706	I70326W	STD 2 PPB;ALL ANALYTES
7	Blank	7	I326707	I70326W	STD 5 PPB;ALL ANALYTES
8	Blank	8	I326708	I70326W	STD 10 PPB;ALL ANALYTES
9	Blank	9	I326709	I70326W	STD 20 PPB;ALL ANALYTES
10	Blank	10	I326710	I70326W	STD 50 PPB;ALL ANALYTES
11	Blank	11	I326711	I70326W	STD 100 PPB;ALL ANALYTES
12	Blank	~~12~~	~~I326712~~	~~I70326W~~	~~BLANK;BLANK~~
13	Blank	13	~~I326713~~	~~I70326W~~	~~BLANK;BLANK~~
14	Blank	14	~~I326714~~	~~I70326W~~	~~BLANK;BLANK~~
15	Blank	15	~~I326715~~	~~I70326W~~	~~BLANK;BLANK~~
16	Blank	~~16~~	~~I326716~~	~~I70326W~~	~~BLANK;BLANK~~
17	Blank	17	I326717	I70326W	ICV 50 PPB;COMPOSITE MIX,COMP
18	Blank	18	I326718	I70326W	ICV 50 PPB;SUPELCO MIX 5,MIX5
19	Blank	19	I326719	I70326W	ICV 50 PPB;ULTRA CUSTOM MIX,U
20	Blank	20	I326720	I70326W	ICV 50 PPB;REACTIVES MIX;RC
21	Blank	21	I326721	I70326W	ICV 50 PPB;SPECIAL ANALYTES MIX
22	Blank	22	I326722	I70326W	ICV 50 PPB;t-1,4-dichloro-2-butene Rerun
23					

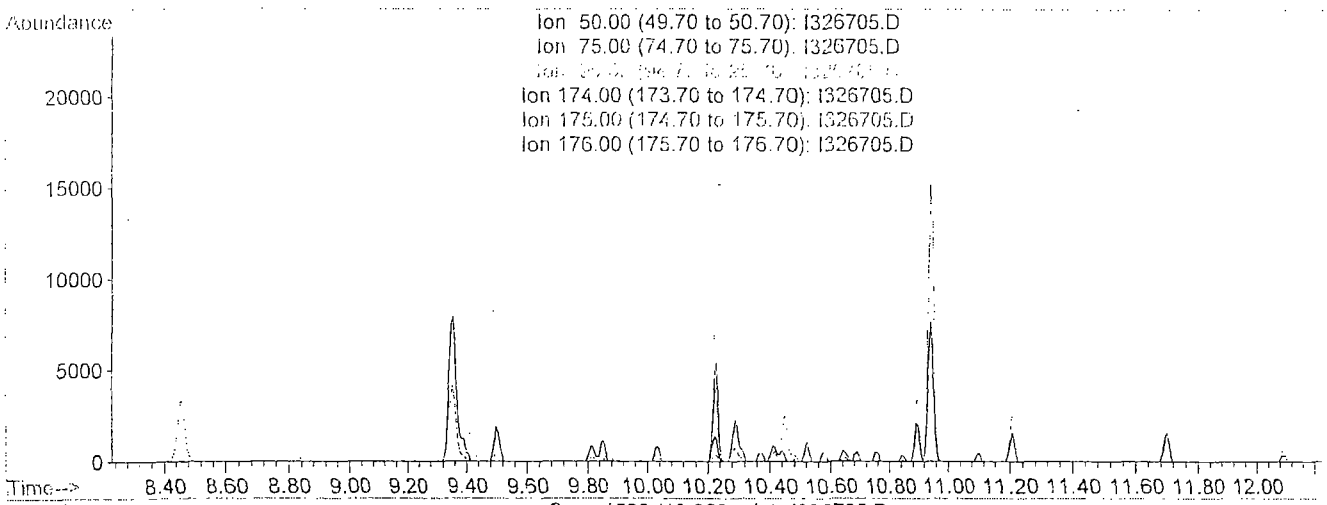
not used warm up/stability check.

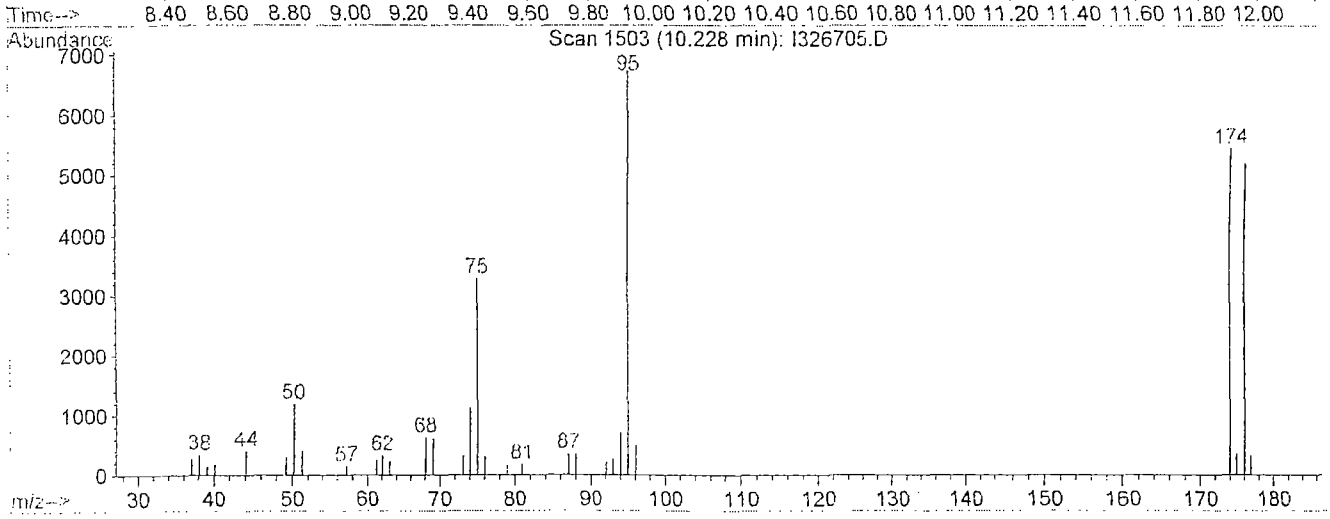
BM 3/27/07

Not used - clean up check.

BFB

Data File : C:\HPCHEM\1\DATA\I032607.B\I326705.D Vial: 5
Acq On : 26 Mar 2007 5:12 pm Operator: BJP
Sample : STD 1 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,1uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Method : C:\HPCHEM\1\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water





Spectrum Information: Scan 1503

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	1191	PASS
75	95	30	60	49.0	3290	PASS
95	95	100	100	100.0	6721	PASS
96	95	5	9	7.4	499	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.2	5460	PASS
175	174	5	9	6.6	362	PASS
176	174	95	101	95.2	5199	PASS
177	176	5	9	6.3	330	PASS

I326705.D I70326W.M Mon Mar 26 17:37:26 2007 MSI

Injection Log

Directory: h:\msi.i\i032607.b

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	I326701.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 11:2
2	2	I326702.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 11:5
3	3	I326703.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 12:1
4	4	I326704.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 16:3
5	5	I326705.D	1.	STD 1 PPB;ALL ANALYTES	1,1, 07MSV0245,1uL/50mL	26 Mar 07 17:1
6	6	I326706.D	1.	STD 2 PPB;ALL ANALYTES	1,1, 07MSV0245,2uL/50mL	26 Mar 07 17:3
7	7	I326707.D	1.	STD 5 PPB;ALL ANALYTES	1,1, 07MSV0245,5uL/50mL	26 Mar 07 18:0
8	8	I326708.D	1.	STD 10 PPB;ALL ANALYTES	1,1, 07MSV0245,10uL/50mL	26 Mar 07 18:3
9	9	I326709.D	1.	STD 20 PPB;ALL ANALYTES	1,1, 07MSV0245,20uL/50mL	26 Mar 07 18:5
10	10	I326710.D	1.	STD 50 PPB;ALL ANALYTES	1,1, 07MSV0245,50uL/50mL	26 Mar 07 19:2
11	11	I326711.D	1.	STD 100 PPB;ALL ANALYTES	1,1, 07MSV0245,100uL/50mL	26 Mar 07 19:5
12	12	I326712.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 20:1
13	13	I326713.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 20:4
14	14	I326714.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	26 Mar 07 21:0
15	15	I326715.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	27 Mar 07 10:0
16	16	I326716.D	1.	BLANK;BLANK	1,1, 07MSV0203IS 07MSV0204SUR	27 Mar 07 10:2
17	17	I326717.D	1.	ICV 50 PPB;COMPOSITE MIX,COMP	1,1, 07MSV0231,12.5uL/50mL	27 Mar 07 11:4
18	18	I326718.D	1.	ICV 50 PPB;SUPELCO MIX 5,MIX5	1,1, 07MSV0232,12.5uL/50mL	27 Mar 07 12:1
19	19	I326719.D	1.	ICV 50 PPB;ULTRA CUSTOM MIX,ULTRA	1,1, 07MSV0233,12.5uL/50mL	27 Mar 07 12:4
20	20	I326720.D	1.	ICV 50 PPB;REACTIVES MIX,RC	1,1, 07MSV0234,12.5uL/50mL	27 Mar 07 13:1
21	21	I326721.D	1.	ICV 50 PPB;SPECIAL ANALYTES MIX,SPECIAL	1,1, 07MSV0235,12.5uL/50mL	27 Mar 07 13:4
22	22	I326722.D	1.	ICV 50 PPB;t-14-dichloro-2-butene,T14DC	1,1, 07MSV0232,12.5uL/50mL	27 Mar 07 14:2

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.17	96	522464	16.7000	PPB		-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	95790	16.7000	PPB		-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	105461	16.7000	PPB		-0.02
System Monitoring Compounds							
42) Dibromofluoromethane (Surr	5.30	113	7358	1.0296	PPB		-0.03
Spiked Amount 16.700			Recovery	=	6.17%		
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	4370	1.1057	PPB		-0.04
Spiked Amount 16.700			Recovery	=	6.65%		
64) Toluene-d8 (Surr)	7.98	98	28580	0.9336	PPB		0.00
Spiked Amount 16.700			Recovery	=	5.57%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	9641	1.0480	PPB		-0.02
Spiked Amount 16.700			Recovery	=	6.29%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.48	85	14016	1.0373	PPB		99
3) Chloromethane (SPCC)	1.65	50	12868	1.0055	PPB		99
4) Vinyl chloride (CCC)	1.74	62	8941	1.0189	PPB		99
5) Bromomethane	2.06	94	2902	0.7033	PPB		95
6) Ethylene oxide	2.16	44	8834	19.1393	PPB		83
7) Chloroethane	2.19	64	8293	1.1150	PPB		95
8) Trichlorofluoromethane	2.34	101	15617	1.0814	PPB		91
9) Ethyl ether	2.67	59	4455	0.9114	PPB		95
11) 1,1-Dichloroethene (CCC)	2.85	96	8266	1.0403	PPB		98
12) Carbon disulfide	2.87	76	24190	1.0088	PPB		73
13) 1,1,2-Trichlorotrifluoroet	2.91	101	9562	1.0814	PPB		97
14) Propylene oxide	2.99	58	3146	4.3535	PPB	#	95
15) Iodomethane	2.98	142	7055	0.9394	PPB		98
16) Bromoethane	3.12	108	5828	1.0367	PPB		100
17) Acrolein	3.21	56	1205	3.7825	PPB		97
18) 3-Chloropropene	3.34	41	10200	0.9512	PPB		99
19) Methylene chloride	3.45	84	8374	1.0513	PPB	#	73
21) trans-1,2-Dichloroethene	3.61	96	9425	1.0334	PPB		99
22) Methyl acetate	3.65	74	1329	2.0375	PPB	#	100
23) Hexane	3.71	86	3461	0.9580	PPB		92
24) Methyl tert-butyl ether (M	3.74	73	11847	0.8717	PPB		86
25) tert-Butyl alcohol	3.86	59	2902	17.7041	PPB	#	96
26) Acetonitrile	3.99	40	1111	7.1644	PPB	#	100
27) Isopropyl ether	4.14	45	20260	0.8698	PPB		95
28) 2-Chloro-1,3-butadiene	4.23	88	5822	0.8511	PPB	#	54
29) 1,1-Dichloroethane (SPCC)	4.24	63	17244	1.0117	PPB		99
30) Acrylonitrile	4.31	53	4754	4.0745	PPB	#	54
31) Vinyl acetate	4.54	43	5001	0.6823	PPB	#	85
32) cis-1,2-Dichloroethene	4.81	96	9255	1.0238	PPB		84
33) 2,2-Dichloropropane	4.92	77	11296	0.9023	PPB	#	91
34) Cyclohexane	5.01	56	22630	0.8553	PPB		83
35) Bromochloromethane	5.01	130	3867	1.0475	PPB	#	80
36) 2-Methylhexane	5.02	43	17667	0.9372	PPB	#	85
37) Chloroform (CCC)	5.10	83	14993	1.0354	PPB	#	70
38) Carbon tetrachloride	5.23	117	9715	0.9695	PPB		98
39) 3-Methylhexane	5.22	57	7682	0.9469	PPB		92
40) Ethyl acetate	5.26	43	10243m	2.1317	PPB		
41) Tetrahydrofuran	5.26	42	1178m	0.3426	PPB		
43) 1,1,1-Trichloroethane	5.31	97	11998	0.9573	PPB		99
44) 1,1-Dichloropropene	5.44	75	12693	0.9584	PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D Vial: 5
Acq On : 26 Mar 2007 5:12 pm Operator: BJP
Sample : STD 1 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,1uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45) 2-Butanone (MEK)	5.45	43	1061	0.9283	PPB		97
46) Benzene	5.71	78	40983	1.0282	PPB		91
47) Heptane	5.69	57	6888	0.8828	PPB		95
49) Methacrylonitrile	5.77	67	5752	3.9024	PPB	#	77
51) 1,2-Dichloroethane	5.93	62	8511	1.0222	PPB		95
52) Isobutyl alcohol	6.01	43	756	136.5361	PPB	#	67
53) Methylcyclohexane	6.34	83	43705	2.5401	PPB		97
54) Trichloroethene	6.36	130	9345	1.0112	PPB		95
55) Dibromomethane	6.83	93	2999	1.0360	PPB		93
56) n-Butanol	6.82	56	546	118.7623	ug/L	#	75
57) 1,2-Dichloropropane (CCC)	6.96	63	8102	0.9651	PPB		92
58) Bromodichloromethane	7.04	83	8249	0.9296	PPB		99
60) Methyl methacrylate	7.25	69	1292	3.0060	PPB		85
61) 1-Bromo-2-chloroethane	7.59	63	7202	0.9151	PPB	#	90
62) cis-1,3-Dichloropropene	7.78	75	8287	0.7662	PPB		95
63) 2-Chloroethyl vinyl ether	7.75	63	898	0.5495	PPB	#	65
66) Toluene (CCC)	8.04	91	37555	0.9962	PPB		98
68) 2-Nitropropane	8.28	43	219	0.4396	PPB	#	100
69) Tetrachloroethene	8.41	164	7579	1.0057	PPB		98
70) 4-Methyl-2-pentanone (MIBK	8.44	43	1240	0.5772	PPB	#	68
71) trans-1,3-Dichloropropene	8.45	75	5808	0.7590	PPB		82
72) 1,1,2-Trichloroethane	8.59	97	4251	0.9838	PPB		88
74) Ethyl methacrylate	8.62	69	2089	3.0740	PPB		96
75) Dibromochloromethane	8.74	129	3366	0.8322	PPB		95
76) 1,3-Dichloropropane	8.83	76	8553	0.9765	PPB		97
77) 1,2-Dibromoethane (EDB)	8.93	107	3233	0.8920	PPB		97
79) Chlorobenzene (SPCC)	9.36	112	23103	1.0665	PPB		91
80) 1-Chlorohexane	9.35	55	10946	1.2414	PPB		82
81) Ethylbenzene (CCC)	9.39	106	12343	0.9807	PPB		70
82) 1,1,1,2-Tetrachloroethane	9.41	131	5892	0.9730	PPB	#	1
83) m&p-Xylene	9.50	106	29329	1.9301	PPB		97
84) o-Xylene	9.81	106	12139	0.8891	PPB		97
85) Bromoform (SPCC)	9.87	173	1298	0.7757	PPB		94
86) Styrene	9.85	104	12873	0.6734	PPB		92
87) Isopropylbenzene	10.03	105	31850	0.9044	PPB		97
88) Bromobenzene	10.29	156	5907	0.9279	PPB	#	89
89) n-Propylbenzene	10.31	120	8207	0.8742	PPB	#	74
90) 1,1,2,2-Tetrachloroethane	10.37	83	3528	0.9864	PPB		91
93) 2-Chlorotoluene	10.42	126	7540	1.0006	PPB		99
95) 1,2,3-Trichloropropane	10.45	110	1155	0.9893	PPB		89
96) trans-1,4-Dichloro-2-buten	10.48	89	150	2.6423	PPB	#	1
97) 3-Ethyltoluene	10.37	105	27239	0.8949	PPB	#	72
98) 4-Chlorotoluene	10.52	126	7065	0.9390	PPB	#	80
99) 1,3,5-Trimethylbenzene	10.44	105	24200	0.9094	PPB		71
100) 2-Ethyltoluene	10.58	105	28353	0.9342	PPB	#	38
101) tert-Butylbenzene	10.65	91	14564	0.9597	PPB		89
102) Pentachloroethane	10.66	167	2093	0.9173	PPB	#	1
103) 1,2,4-Trimethylbenzene	10.69	105	22817	0.9029	PPB		85
104) sec-Butylbenzene	10.76	105	32830	0.9512	PPB		98
105) p-Isopropyltoluene	10.84	119	23092	0.8507	PPB		97
106) 1,3-Dichlorobenzene	10.90	146	12546	1.0162	PPB		94
107) 1,4-Dichlorobenzene	10.95	146	13453	1.0901	PPB		93
108) Benzyl chloride	11.11	126	436	4.3754	PPB	#	1
109) n-Butylbenzene	11.10	134	5251	0.8346	PPB	#	68
110) 1,2-Dichlorobenzene	11.21	146	9653	1.0129	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
111) 1,3,5-Trichlorobenzene	11.70	180	16880	2.3799	PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	171	5.0464	PPB	#	1
113) Hexachlorobutadiene	12.06	225	3020	1.0197	PPB		99
114) 1,2,4-Trichlorobenzene	12.09	180	3791	0.8888	PPB		99
115) Naphthalene	12.31	128	3008	3.7531	PPB		92
116) 1,2,3-Trichlorobenzene	12.44	180	2333	0.8311	PPB		96

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

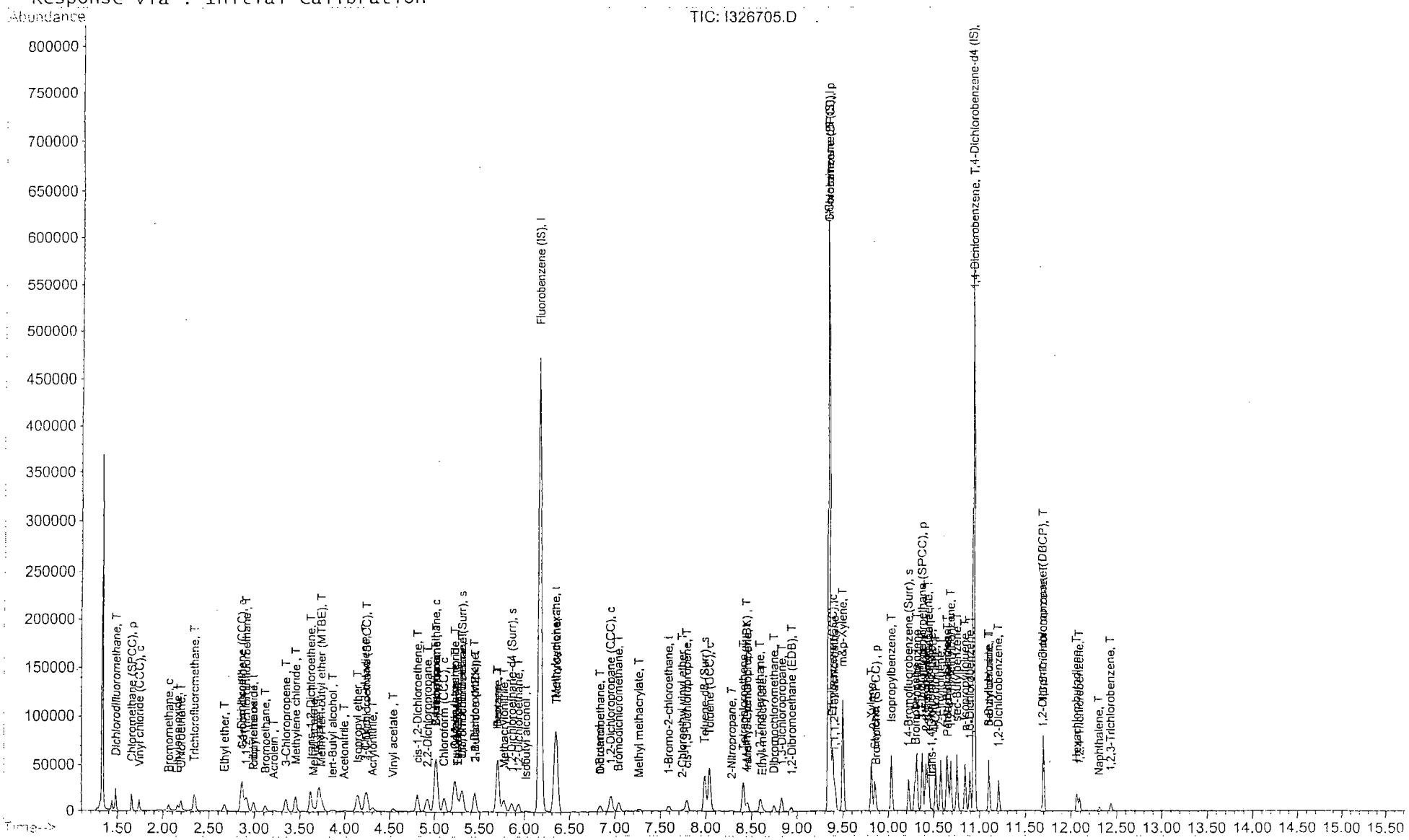
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326705.D
Acq On : 26 Mar 2007 5:12 pm
Sample : STD 1 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,1uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:47 19107

Vial: 5
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

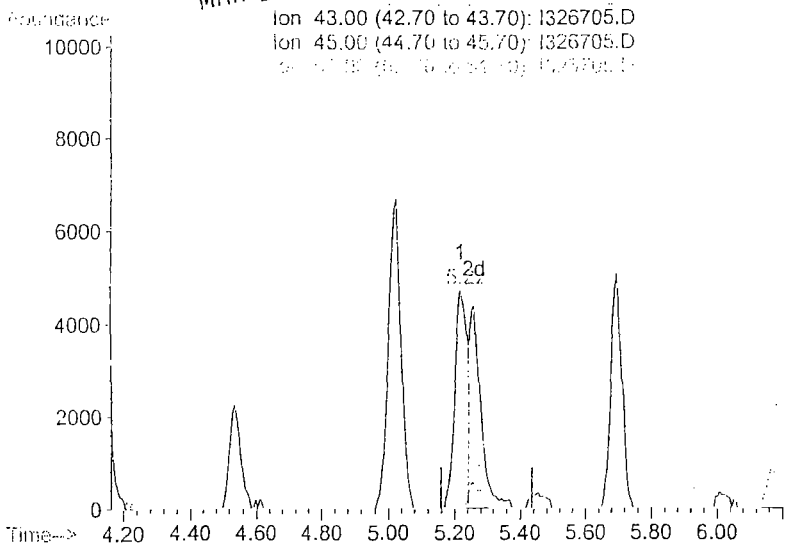


217

Ethyl acetate I326705.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 11:59:50 2007

MAR 27 2007

BEFORE



TIC: I326705.D

(40) Ethyl acetate (T)

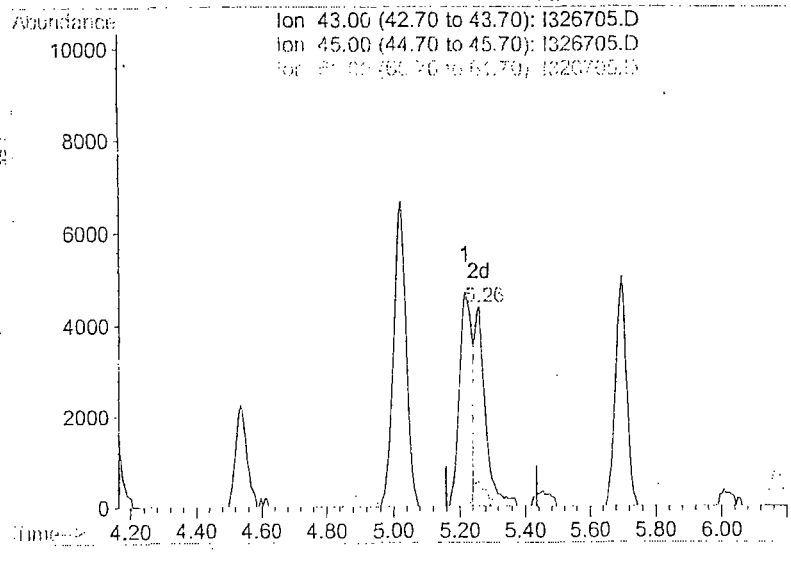
5.22min 2.62PPB

response 12589

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326705.D

(40) Ethyl acetate (T)

5.26min 2.13PPB m

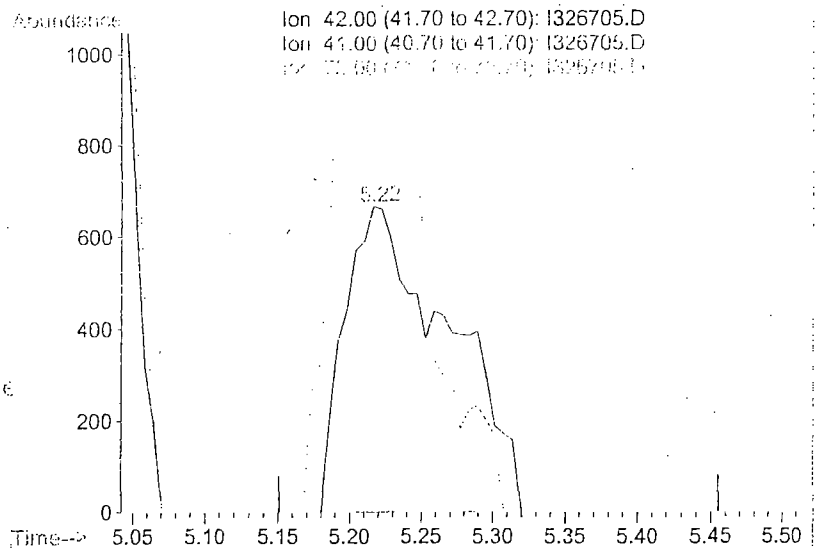
response 10243

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

Tetrahydrofuran I326705.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:02:04 2007

MAR 27 2007

BEFORE



TIC: I326705.D

(41) Tetrahydrofuran (T

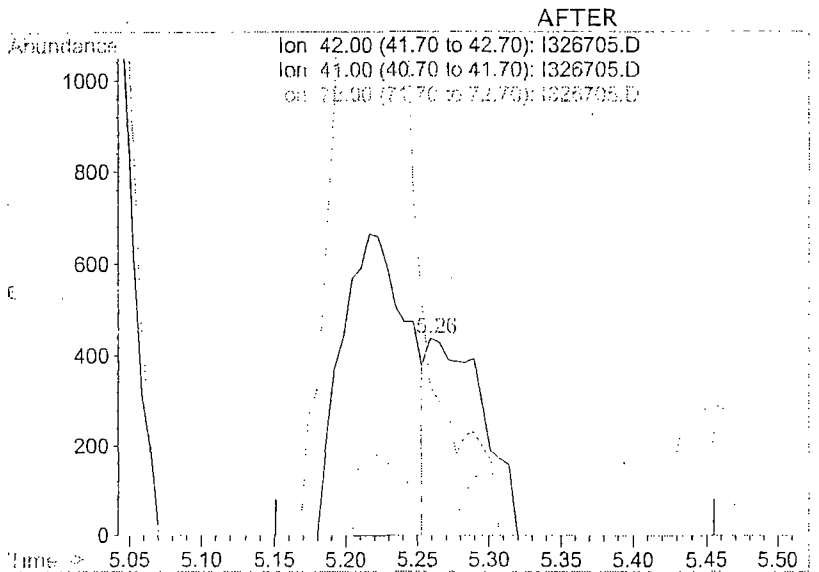
5.22min 0.97PPB

response 3335

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	240.
72.00	30.60	8.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326705.D

(41) Tetrahydrofuran (T

5.26min 0.34PPB m

response 1178

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	681.
72.00	30.60	24.7
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	533017	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	98473	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	111791	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.30	113	14732	2.0206 PPB	-0.03
Spiked Amount 16.700			Recovery	= 12.10%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	8886	2.2039 PPB	-0.04
Spiked Amount 16.700			Recovery	= 13.17%	
64) Toluene-d8 (Surr)	7.98	98	60907	1.9501 PPB	0.00
Spiked Amount 16.700			Recovery	= 11.68%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	18395	1.9451 PPB	-0.02
Spiked Amount 16.700			Recovery	= 11.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	29032	2.1061 PPB		100
3) Chloromethane (SPCC)	1.65	50	26830	2.0550 PPB		99
4) Vinyl chloride (CCC)	1.74	62	18046	2.0158 PPB		100
5) Bromomethane	2.06	94	6648	1.5792 PPB		98
6) Ethylene oxide	2.16	44	14457	30.7017 PPB		93
7) Chloroethane	2.19	64	16837	2.2190 PPB		97
8) Trichlorofluoromethane	2.34	101	31741	2.1544 PPB		91
9) Ethyl ether	2.67	59	10199	2.0453 PPB		99
11) 1,1-Dichloroethene (CCC)	2.85	96	16364	2.0187 PPB		98
12) Carbon disulfide	2.87	76	46514	1.9015 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	18973	2.1033 PPB		98
14) Propylene oxide	2.98	58	7010	9.5086 PPB	#	94
15) Iodomethane	2.98	142	14876	1.9415 PPB		99
16) Bromoethane	3.12	108	11857	2.0673 PPB		100
17) Acrolein	3.20	56	2682	8.2520 PPB		96
18) 3-Chloropropene	3.34	41	21341	1.9508 PPB		98
19) Methylene chloride	3.45	84	17155	2.1110 PPB	#	76
20) Acetone	3.51	43	1327	1.9957 PPB		67
21) trans-1,2-Dichloroethene	3.61	96	19536	2.0996 PPB		99
22) Methyl acetate	3.65	74	3466	5.2086 PPB	#	100
23) Hexane	3.71	86	7081	1.9213 PPB	#	90
24) Methyl tert-butyl ether (M	3.74	73	27010	1.9480 PPB		85
25) tert-Butyl alcohol	3.86	59	6480	38.7497 PPB	#	91
26) Acetonitrile	3.99	40	2443	15.4420 PPB	#	100
27) Isopropyl ether	4.14	45	45117	1.8986 PPB		94
28) 2-Chloro-1,3-butadiene	4.23	88	12509	1.7925 PPB		89
29) 1,1-Dichloroethane (SPCC)	4.24	63	36095	2.0758 PPB		100
30) Acrylonitrile	4.30	53	11191	9.4015 PPB	#	55
31) Vinyl acetate	4.53	43	12203	1.6319 PPB	#	88
32) cis-1,2-Dichloroethene	4.80	96	19078	2.0686 PPB		86
33) 2,2-Dichloropropane	4.91	77	23745	1.8591 PPB	#	90
34) Cyclohexane	5.01	56	46851	1.7356 PPB		81
35) Bromochloromethane	5.01	130	7931	2.1058 PPB	#	84
36) 2-Methylhexane	5.02	43	39638	2.0611 PPB	#	79
37) Chloroform (CCC)	5.11	83	30843	2.0879 PPB	#	70
38) Carbon tetrachloride	5.23	117	19775	1.9343 PPB		99
39) 3-Methylhexane	5.22	57	16818	2.0319 PPB		92
40) Ethyl acetate	5.25	43	25813m	5.2656 PPB		
41) Tetrahydrofuran	5.27	42	2789m	0.7952 PPB		
43) 1,1,1-Trichloroethane	5.31	97	25436	1.9894 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) 1,1-Dichloropropene	5.44	75	26406	1.9543	PPB		97
45) 2-Butanone (MEK)	5.45	43	2596	2.2262	PPB		85
46) Benzene	5.71	78	85328	2.0983	PPB		98
47) Heptane	5.69	57	15386	1.9329	PPB		96
48) Propionitrile	5.76	54	3396	12.6033	PPB	#	11
49) Methacrylonitrile	5.78	67	13932	9.2649	PPB	#	87
51) 1,2-Dichloroethane	5.93	62	17811	2.0968	PPB		98
52) Isobutyl alcohol	6.01	43	2364	153.0943	PPB	#	73
53) Methylcyclohexane	6.34	83	90031	5.1290	PPB		97
54) Trichloroethene	6.36	130	19409	2.0587	PPB		98
55) Dibromomethane	6.83	93	5984	2.0262	PPB		98
56) n-Butanol	6.80	56	1953	155.5714	ug/L	#	96
57) 1,2-Dichloropropane (CCC)	6.95	63	16994	1.9843	PPB		87
58) Bromodichloromethane	7.04	83	17050	1.8833	PPB		99
60) Methyl methacrylate	7.26	69	2922	3.5160	PPB		81
61) 1-Bromo-2-chloroethane	7.59	63	15824	1.9708	PPB		93
62) cis-1,3-Dichloropropene	7.79	75	19016	1.7235	PPB		97
63) 2-Chloroethyl vinyl ether	7.74	63	2153	1.2915	PPB		92
66) Toluene (CCC)	8.04	91	79023	2.0391	PPB		98
67) Epichlorohydrin	8.06	57	1884	7.7046	PPB	#	57
68) 2-Nitropropane	8.28	43	824	1.6089	PPB	#	100
69) Tetrachloroethene	8.40	164	15751	2.0331	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.43	43	3155	1.4285	PPB	#	73
71) trans-1,3-Dichloropropene	8.45	75	13434	1.7078	PPB		83
72) 1,1,2-Trichloroethane	8.59	97	8956	2.0162	PPB		92
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	1436	5.8097	PPB	#	100
74) Ethyl methacrylate	8.62	69	5062	3.5247	PPB		92
75) Dibromochloromethane	8.74	129	7540	1.8134	PPB		99
76) 1,3-Dichloropropane	8.83	76	18609	2.0668	PPB		99
77) 1,2-Dibromoethane (EDB)	8.93	107	7139	1.9160	PPB		98
78) 2-Hexanone	9.15	43	1414	6.0846	PPB		80
79) Chlorobenzene (SPCC)	9.36	112	47107	2.1154	PPB		94
80) 1-Chlorohexane	9.35	55	20135	2.2213	PPB		88
81) Ethylbenzene (CCC)	9.39	106	25915	2.0030	PPB		80
82) 1,1,1,2-Tetrachloroethane	9.41	131	12341	1.9825	PPB	#	1
83) m&p-Xylene	9.50	106	64224	4.1113	PPB		97
84) o-Xylene	9.81	106	26731	1.9044	PPB		96
85) Bromoform (SPCC)	9.86	173	2907	1.6900	PPB		98
86) Styrene	9.85	104	32232m	1.6403	PPB		
87) Isopropylbenzene	10.03	105	70952	1.9599	PPB		99
88) Bromobenzene	10.29	156	13148	2.0091	PPB		92
89) n-Propylbenzene	10.31	120	18838	1.9519	PPB	#	79
90) 1,1,2,2-Tetrachloroethane	10.36	83	7553	2.0542	PPB		92
93) 2-Chlorotoluene	10.41	126	15920	1.9931	PPB		93
95) 1,2,3-Trichloropropane	10.45	110	2557	2.0662	PPB		95
96) trans-1,4-Dichloro-2-buten	10.48	89	328	3.2721	PPB	#	1
97) 3-Ethyltoluene	10.37	105	62332	1.9318	PPB	#	72
98) 4-Chlorotoluene	10.52	126	15925	1.9966	PPB		88
99) 1,3,5-Trimethylbenzene	10.44	105	54702	1.9391	PPB		68
100) 2-Ethyltoluene	10.57	105	62871	1.9542	PPB	#	38
101) tert-Butylbenzene	10.64	91	32373	2.0124	PPB		93
102) Pentachloroethane	10.66	167	4335	1.7924	PPB	#	1
103) 1,2,4-Trimethylbenzene	10.69	105	51539	1.9240	PPB		78
104) sec-Butylbenzene	10.76	105	73116	1.9985	PPB		99
105) p-Isopropyltoluene	10.84	119	54736	1.9022	PPB		96

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
106) 1,3-Dichlorobenzene	10.90	146	27477	2.0995 PPB		95
107) 1,4-Dichlorobenzene	10.95	146	27285	2.0857 PPB		98
108) Benzyl chloride	11.10	126	1115	4.8195 PPB	#	1
109) n-Butylbenzene	11.10	134	11981	1.7964 PPB	#	63
110) 1,2-Dichlorobenzene	11.21	146	20498	2.0290 PPB		99
111) 1,3,5-Trichlorobenzene	11.70	180	37211	4.9493 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	484	5.7048 PPB	#	1
113) Hexachlorobutadiene	12.06	225	6464	2.0590 PPB		98
114) 1,2,4-Trichlorobenzene	12.09	180	8608	1.9039 PPB		99
115) Naphthalene	12.31	128	6915	4.2371 PPB		97
116) 1,2,3-Trichlorobenzene	12.44	180	5628	1.8913 PPB		98

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

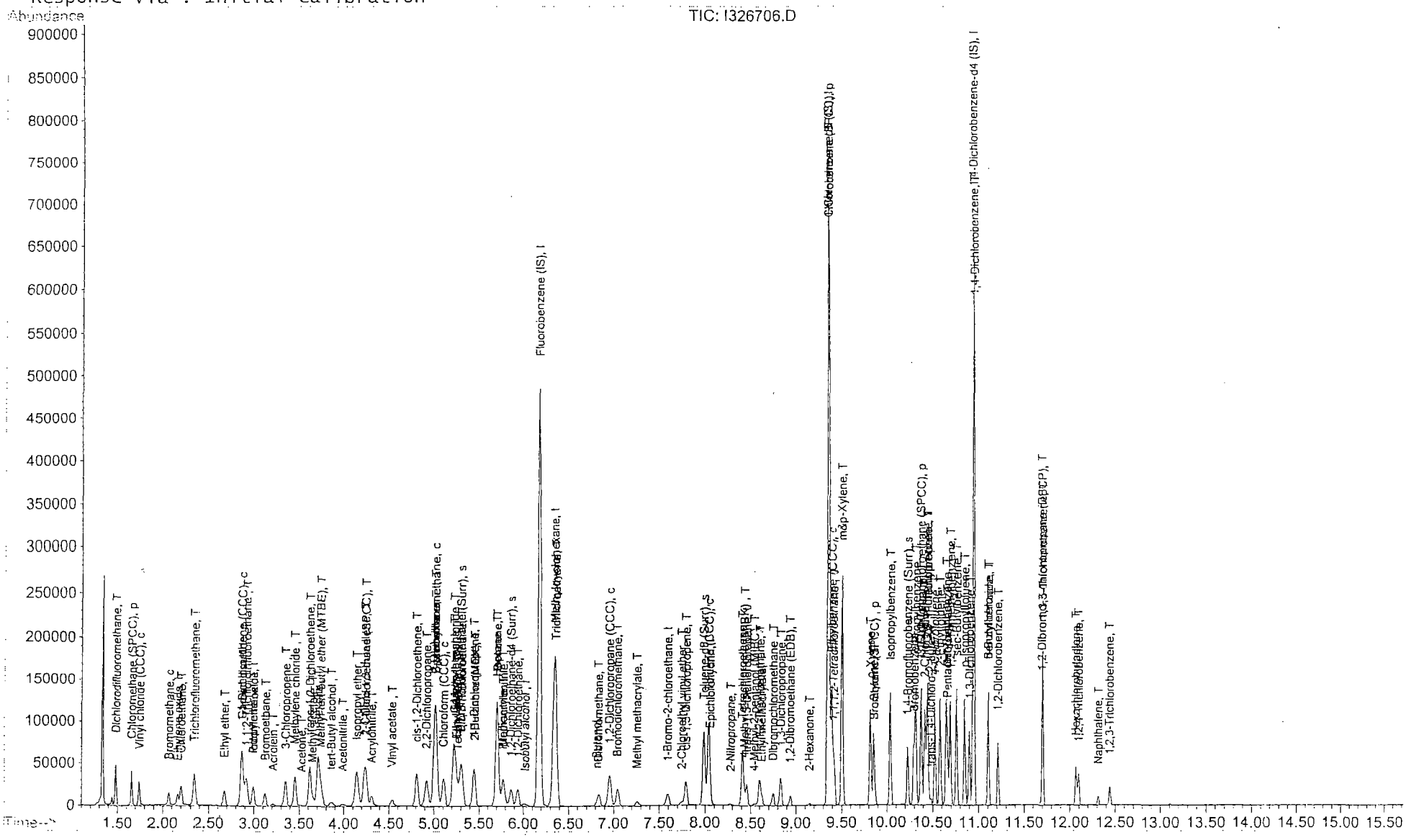
 Quantitation Report

Data File : H:\MSI.I\I032607.B\I326706.D
Acq On : 26 Mar 2007 5:39 pm
Sample : STD 2 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,2uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 6
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

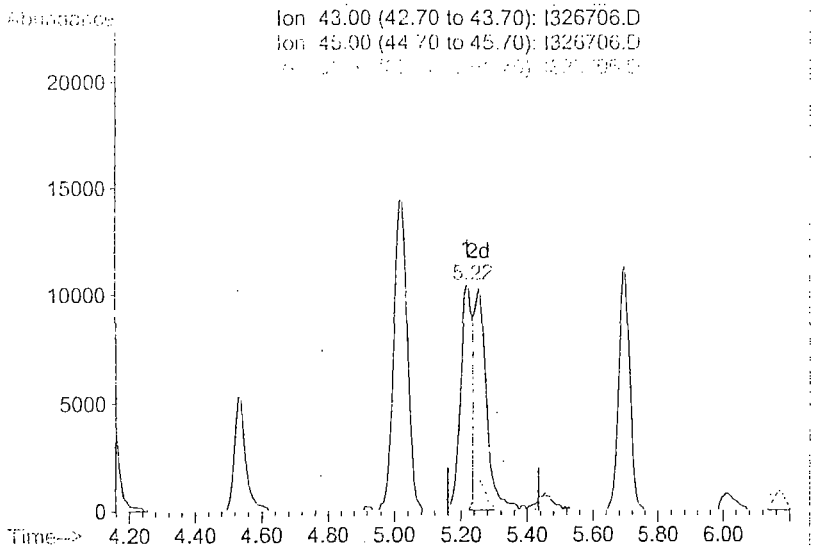


223

Ethyl acetate I326706.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:00:27 2007

MAR 27 2007

BEFORE



TIC: I326706.D

(40) Ethyl acetate (T)

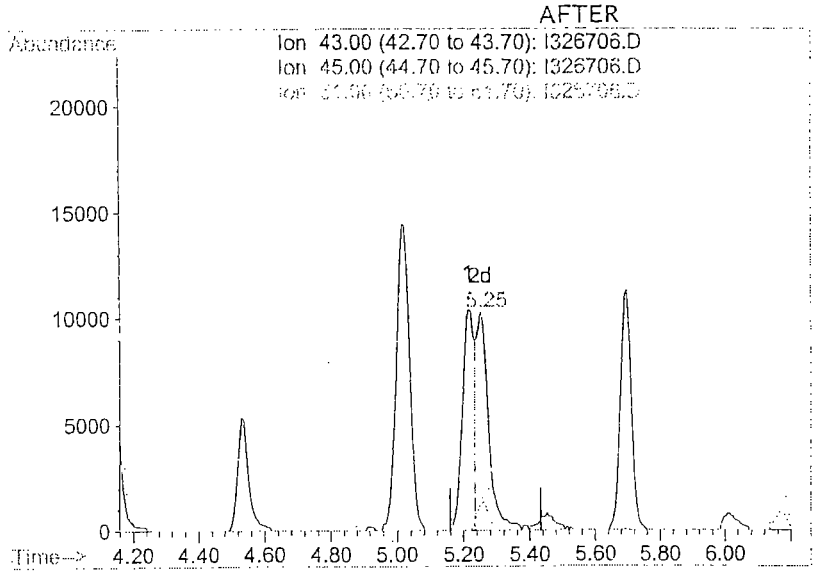
5.22min 5.27PPB

response 25856

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326706.D

(40) Ethyl acetate (T)

5.25min 5.27PPB m

response 25813

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0
0.00	0.00	0.00

Tetrahydrofuran I326706.D

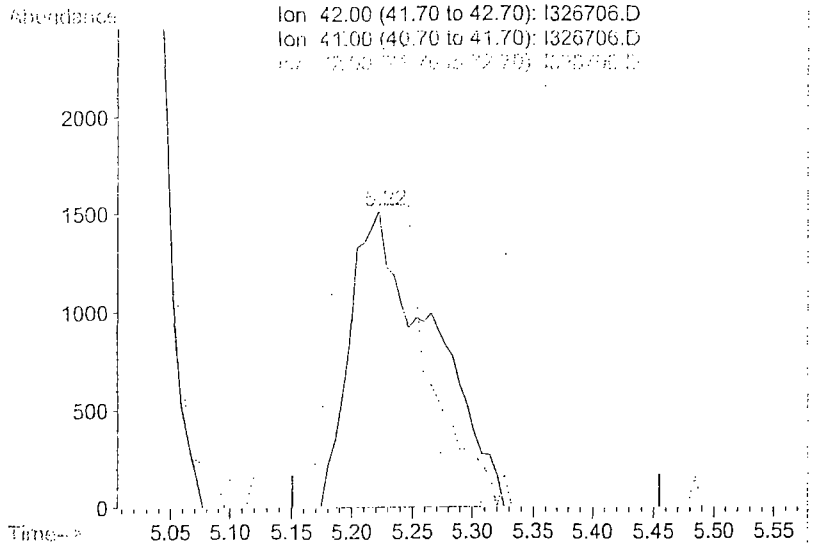
REASON FOR MANUAL INTEGRATION:

TAILING (WRONG PEAK) TWO PEAKS POOR INTEGRATION MISSED OTHER

ANALYST: ~~BJP~~ Tue Mar 27 13:02:25 2007

MAR 27 2007

BEFORE



TIC: I326706.D

(41) Tetrahydrofuran (T

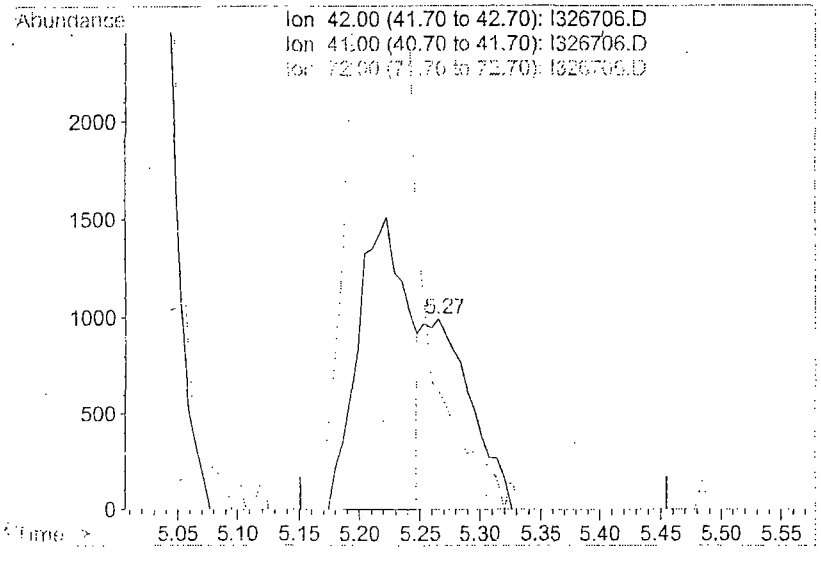
5.22min 2.04PPB

response 7148

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	237.
72.00	30.60	16.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326706.D

(41) Tetrahydrofuran (T

5.27min 0.80PPB m

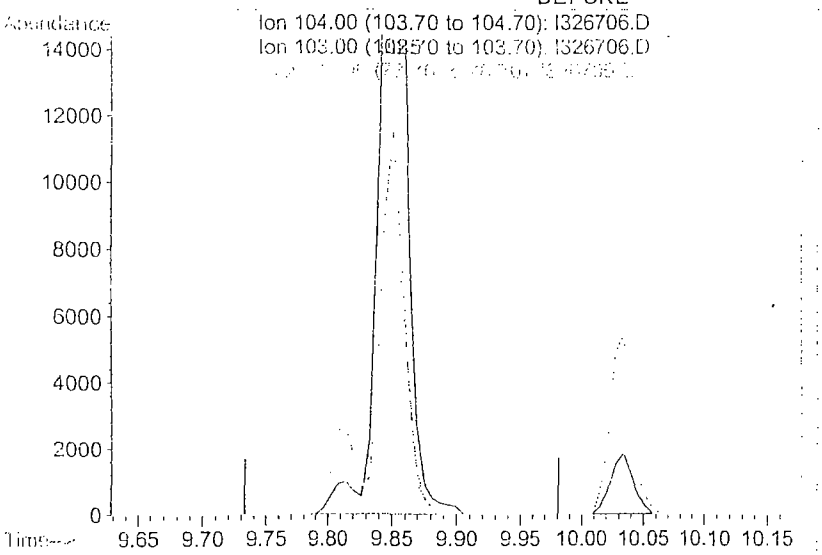
response 2789

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	607.
72.00	30.60	42.9
0.00	0.00	0.00

Styrene I326706.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:02:20 2007

MAR 27 2007

BEFORE



TIC: I326706.D

(86) Styrene (T)

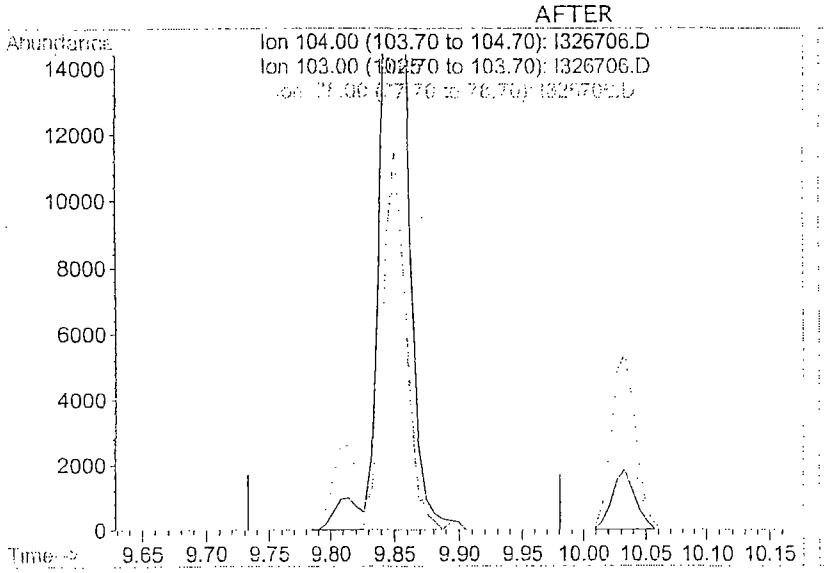
9.85min 1.71PPB

response 33638

Ion	Exp%	Act%
104.00	100	100
103.00	53.10	53.(
78.00	50.90	51.8
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326706.D

(86) Styrene (T)

9.85min 1.64PPB m

response 32232

Ion	Exp%	Act%
104.00	100	100
103.00	53.10	56.(
78.00	50.90	54.1
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	540159	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	100055	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	108630	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	35803	4.8458 PPB	-0.04
Spiked Amount 16.700			Recovery	= 29.04%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	19162	4.6896 PPB	-0.03
Spiked Amount 16.700			Recovery	= 28.08%	
64) Toluene-d8 (Surr)	7.98	98	151972	4.8015 PPB	0.00
Spiked Amount 16.700			Recovery	= 28.74%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	44685	4.6504 PPB	-0.01
Spiked Amount 16.700			Recovery	= 27.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	70110	5.0188 PPB		99
3) Chloromethane (SPCC)	1.65	50	63622	4.8086 PPB		99
4) Vinyl chloride (CCC)	1.74	62	44166	4.8682 PPB		99
5) Bromomethane	2.06	94	19180	4.4958 PPB		99
6) Ethylene oxide	2.16	44	30314	63.5254 PPB		96
7) Chloroethane	2.20	64	41219	5.3606 PPB		95
8) Trichlorofluoromethane	2.34	101	76606	5.1310 PPB		91
9) Ethyl ether	2.66	59	23225	4.5959 PPB		99
10) Ethanol	2.86	45	1566	94.9046 PPB		88
11) 1,1-Dichloroethene (CCC)	2.85	96	39745	4.8383 PPB		96
12) Carbon disulfide	2.86	76	115497	4.6590 PPB		96
13) 1,1,2-Trichlorotrifluoroet	2.91	101	44565	4.8751 PPB		99
14) Propylene oxide	2.99	58	16200	21.6837 PPB	#	92
15) Iodomethane	2.99	142	40688	5.2401 PPB		98
16) Bromoethane	3.12	108	28435	4.8922 PPB		100
17) Acrolein	3.20	56	6975	21.1771 PPB		95
18) 3-Chloropropene	3.34	41	55208	4.9800 PPB		98
19) Methylene chloride	3.45	84	39623	4.8114 PPB	#	75
20) Acetone	3.51	43	3030	4.4966 PPB		82
21) trans-1,2-Dichloroethene	3.61	96	46414	4.9224 PPB		98
22) Methyl acetate	3.64	74	7789	11.5503 PPB		100
23) Hexane	3.71	86	18317	4.9042 PPB		95
24) Methyl tert-butyl ether (M	3.74	73	62414	4.4419 PPB	#	72
25) tert-Butyl alcohol	3.85	59	14118	83.3078 PPB	#	96
26) Acetonitrile	3.98	40	2932m	18.2879 PPB		
27) Isopropyl ether	4.14	45	111007	4.6096 PPB		97
28) 2-Chloro-1,3-butadiene	4.22	88	32826	4.6418 PPB		98
29) 1,1-Dichloroethane (SPCC)	4.24	63	85831	4.8708 PPB		100
30) Acrylonitrile	4.31	53	27034	22.4109 PPB	#	99
31) Vinyl acetate	4.53	43	29978	3.9559 PPB	#	93
32) cis-1,2-Dichloroethene	4.80	96	46317	4.9557 PPB		96
33) 2,2-Dichloropropane	4.92	77	59838	4.6231 PPB	#	97
34) Cyclohexane	5.01	56	118352	4.3265 PPB		83
35) Bromochloromethane	5.01	130	18165	4.7592 PPB		96
36) 2-Methylhexane	5.02	43	99273	5.0938 PPB	#	80
37) Chloroform (CCC)	5.10	83	72565	4.8473 PPB	#	71
38) Carbon tetrachloride	5.23	117	49759	4.8028 PPB		98
39) 3-Methylhexane	5.22	57	41207	4.9127 PPB		93
40) Ethyl acetate	5.25	43	57339m	11.5420 PPB		
41) Tetrahydrofuran	5.26	42	5686m	1.5997 PPB		

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 1,1,1-Trichloroethane	5.30	97	62855	4.8510	PPB		98
44) 1,1-Dichloropropene	5.44	75	65848	4.8089	PPB		98
45) 2-Butanone (MEK)	5.44	43	5638	4.7710	PPB		94
46) Benzene	5.71	78	203831	4.9461	PPB		98
47) Heptane	5.69	57	40248	4.9893	PPB		96
48) Propionitrile	5.75	54	7000m	25.6351	PPB		
49) Methacrylonitrile	5.77	67	34168	22.4216	PPB	#	54
51) 1,2-Dichloroethane	5.93	62	41514	4.8226	PPB		99
52) Isobutyl alcohol	6.01	43	5060	180.4266	PPB	#	75
53) Methylcyclohexane	6.34	83	220585	12.4004	PPB		97
54) Trichloroethene	6.36	130	46334	4.8496	PPB		97
55) Dibromomethane	6.84	93	14061	4.6982	PPB		97
56) n-Butanol	6.81	56	4470	219.5547	ug/L	#	91
57) 1,2-Dichloropropane (CCC)	6.95	63	41170	4.7436	PPB		92
58) Bromodichloromethane	7.04	83	41470	4.5202	PPB		98
59) 1,4-Dioxane	7.30	88	1520	85.6268	PPB		92
60) Methyl methacrylate	7.25	69	7472	4.9315	PPB		84
61) 1-Bromo-2-chloroethane	7.59	63	36651	4.5044	PPB		92
62) cis-1,3-Dichloropropene	7.78	75	48972	4.3797	PPB		98
63) 2-Chloroethyl vinyl ether	7.74	63	5795	3.4301	PPB		98
66) Toluene (CCC)	8.03	91	191542	4.8643	PPB		99
67) Epichlorohydrin	8.06	57	4594	18.4901	PPB	#	51
68) 2-Nitropropane	8.26	43	1695	3.2572	PPB	#	100
69) Tetrachloroethene	8.40	164	37653	4.7834	PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.43	43	7610	3.3911	PPB	#	78
71) trans-1,3-Dichloropropene	8.45	75	33728	4.2198	PPB		83
72) 1,1,2-Trichloroethane	8.59	97	21133	4.6822	PPB		93
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	2992	11.9135	PPB	#	100
74) Ethyl methacrylate	8.62	69	14804	4.9952	PPB		88
75) Dibromochloromethane	8.74	129	17736	4.1980	PPB		99
76) 1,3-Dichloropropane	8.83	76	42952	4.6950	PPB		98
77) 1,2-Dibromoethane (EDB)	8.93	107	17136	4.5264	PPB		98
78) 2-Hexanone	9.15	43	3688	7.2950	PPB		83
79) Chlorobenzene (SPCC)	9.36	112	110527	4.8848	PPB		97
80) 1-Chlorohexane	9.35	55	45169	4.9042	PPB		95
81) Ethylbenzene (CCC)	9.39	106	64744	4.9251	PPB		90
82) 1,1,1,2-Tetrachloroethane	9.41	131	28554	4.5144	PPB	#	1
83) m&p-Xylene	9.50	106	159747	10.0644	PPB		98
84) o-Xylene	9.81	106	68141	4.7779	PPB		96
85) Bromoform (SPCC)	9.86	173	6794	3.8873	PPB		98
86) Styrene	9.85	104	92029	4.6093	PPB		98
87) Isopropylbenzene	10.03	105	181377	4.9308	PPB		98
88) Bromobenzene	10.29	156	31277	4.7036	PPB		92
89) n-Propylbenzene	10.31	120	48680	4.9642	PPB	#	83
90) 1,1,2,2-Tetrachloroethane	10.36	83	16945	4.5357	PPB		90
93) 2-Chlorotoluene	10.41	126	38437	4.9521	PPB		92
94) Cyclohexanone	10.48	42	425	15.1647	PPB	#	71
95) 1,2,3-Trichloropropane	10.45	110	5730	4.7650	PPB		92
96) trans-1,4-Dichloro-2-buten	10.48	89	635	4.4738	PPB	#	1
97) 3-Ethyltoluene	10.37	105	158448	5.0536	PPB	#	35
98) 4-Chlorotoluene	10.52	126	38904	5.0196	PPB	#	87
99) 1,3,5-Trimethylbenzene	10.44	105	139883	5.1030	PPB	#	1
100) 2-Ethyltoluene	10.58	105	158587	5.0726	PPB	#	1
101) tert-Butylbenzene	10.64	91	79767	5.1028	PPB		91
102) Pentachloroethane	10.66	167	10587	4.5049	PPB	#	1

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.68	105	131254	5.0423	PPB		80
104) sec-Butylbenzene	10.76	105	181357	5.1013	PPB		100
105) p-Isopropyltoluene	10.84	119	142749	5.1052	PPB		96
106) 1,3-Dichlorobenzene	10.89	146	61775	4.8575	PPB	#	33
107) 1,4-Dichlorobenzene	10.95	146	61158	4.8111	PPB	#	21
108) Benzyl chloride	11.10	126	2855	6.0597	PPB	#	1
109) n-Butylbenzene	11.10	134	31886	4.9201	PPB	#	66
110) 1,2-Dichlorobenzene	11.21	146	46799	4.7672	PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	86367	11.8217	PPB		98
112) 1,2-Dibromo-3-chloropropan	11.69	157	1095	7.1030	PPB	#	1
113) Hexachlorobutadiene	12.07	225	14811	4.8551	PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	19231	4.3772	PPB		99
115) Naphthalene	12.31	128	16176	5.5011	PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	11912	4.1195	PPB		97

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

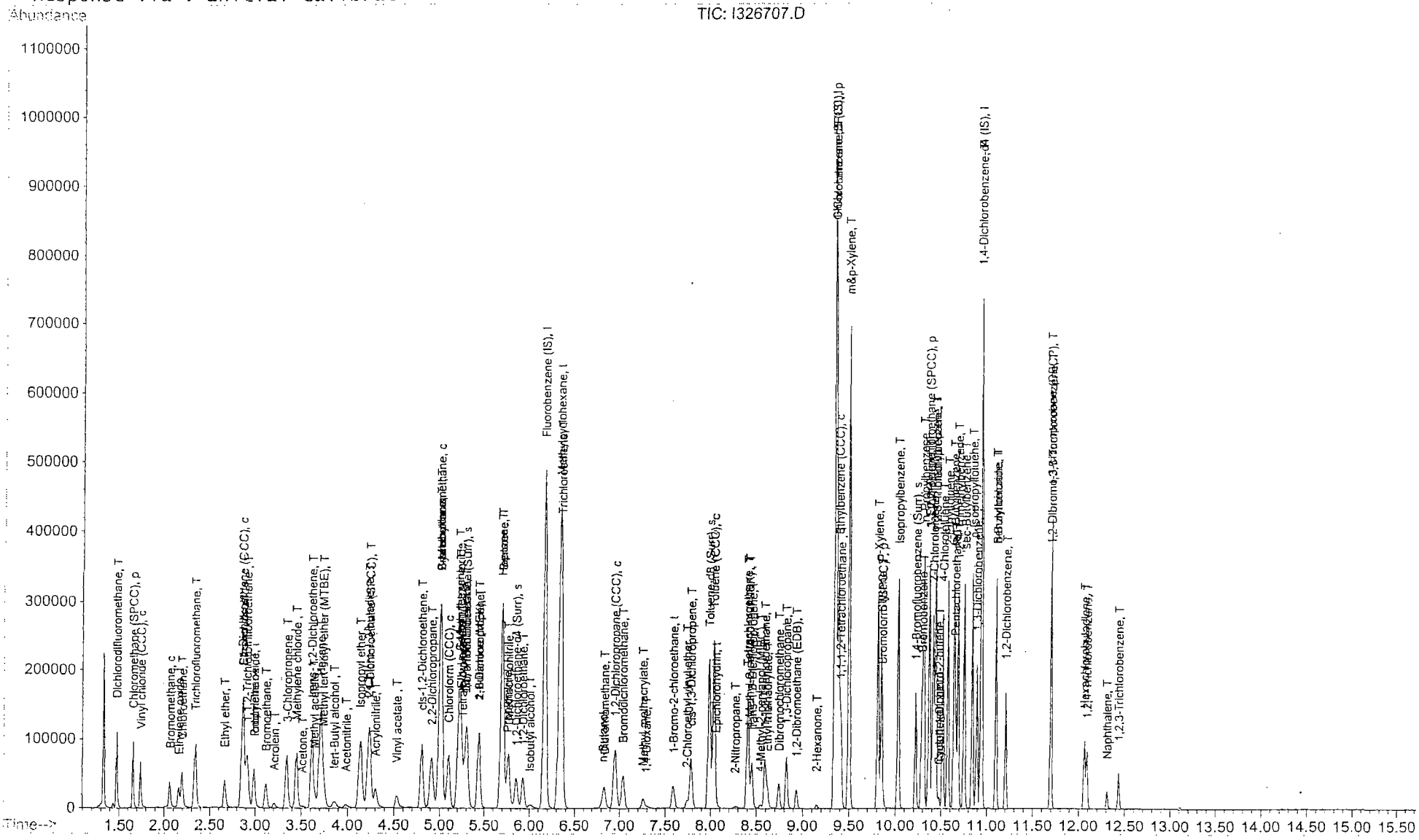
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326707.D
Acq On : 26 Mar 2007 6:05 pm
Sample : STD 5 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,5uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:48 19107

Vial: 7
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

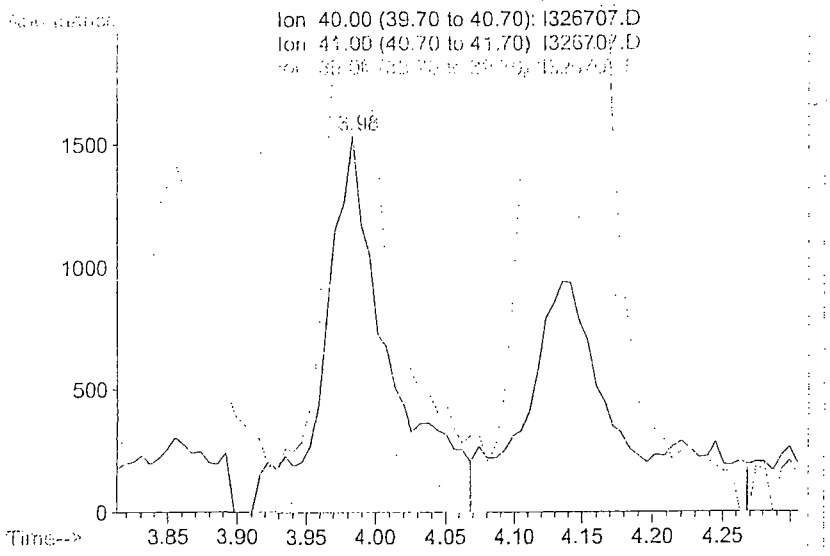


230

Acetonitrile I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:28:09 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(26) Acetonitrile (T)

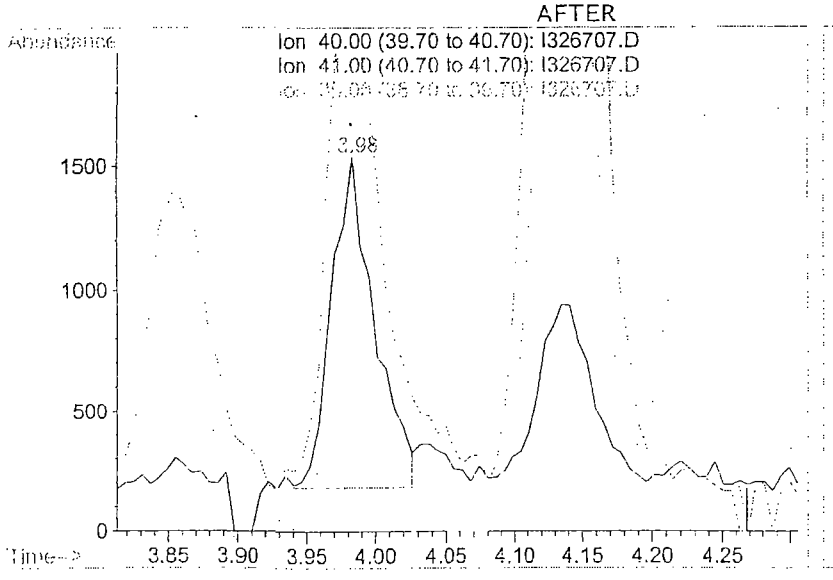
3.98min 30.96PPB

response 4964

Ion	Exp%	Act%
40.00	100	100
41.00	0.00	0.00
39.00	0.00	34.9
0.00	0.00	0.00

3.27.07

AFTER



TIC: I326707.D

(26) Acetonitrile (T)

3.98min 18.29PPB m

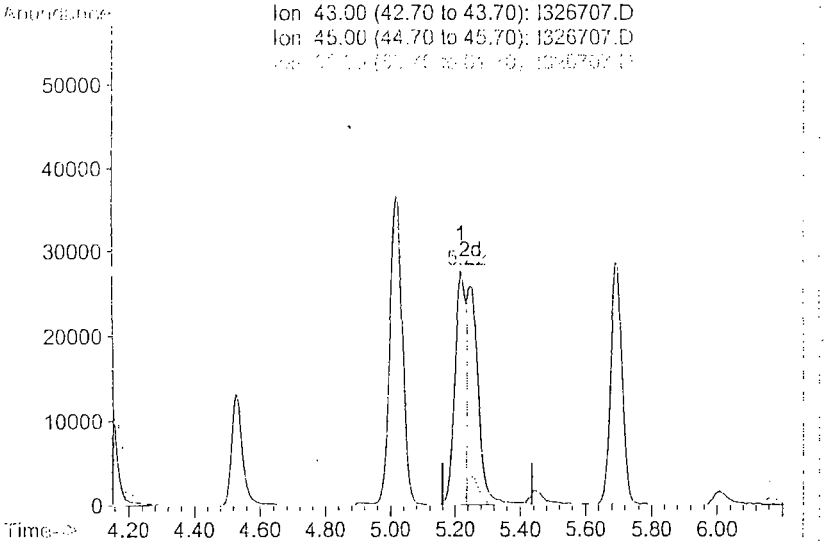
response 2932

Ion	Exp%	Act%
40.00	100	100
41.00	0.00	0.00
39.00	0.00	59.1
0.00	0.00	0.00

Ethyl acetate I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:03:04 2007

MAR 27 2007

BEFORE



TIC: I326707.D

(40) Ethyl acetate (T)

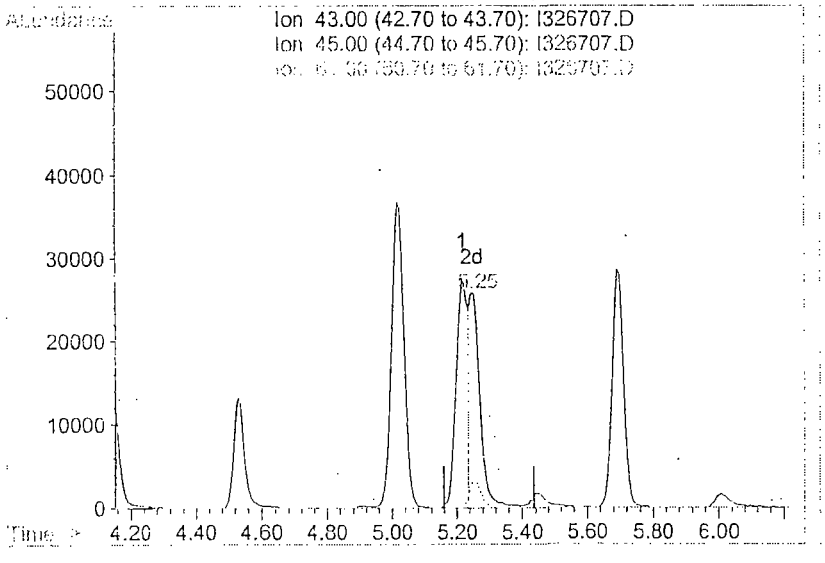
5.22min 13.86PPB

response 68846

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326707.D

(40) Ethyl acetate (T)

5.25min 11.54PPB m

response 57339

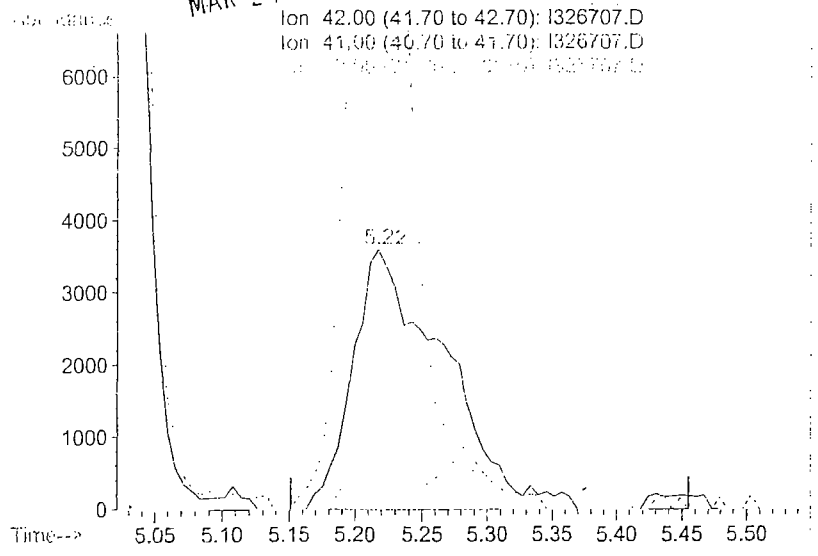
Ion	Exp%	Act%
43.00	100	100
45.00	7.50	0.00
61.00	29.70	0.0(
0.00	0.00	0.00

Tetrahydrofuran I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJR Tue Mar 27 13:02:50 2007

Poor

MAR 27 2007

BEFORE



TIC: I326707.D

(41) Tetrahydrofuran (T

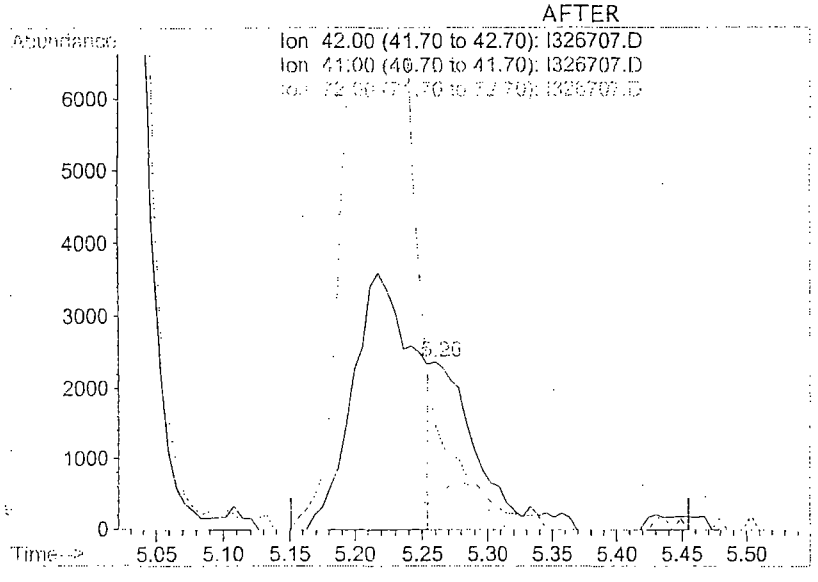
5.22min 4.85PPB

response 17245

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	233.
72.00	30.60	26.1
0.00	0.00	0.00

DW 3.27.07

AFTER



TIC: I326707.D

(41) Tetrahydrofuran (T

5.26min 1.60PPB m

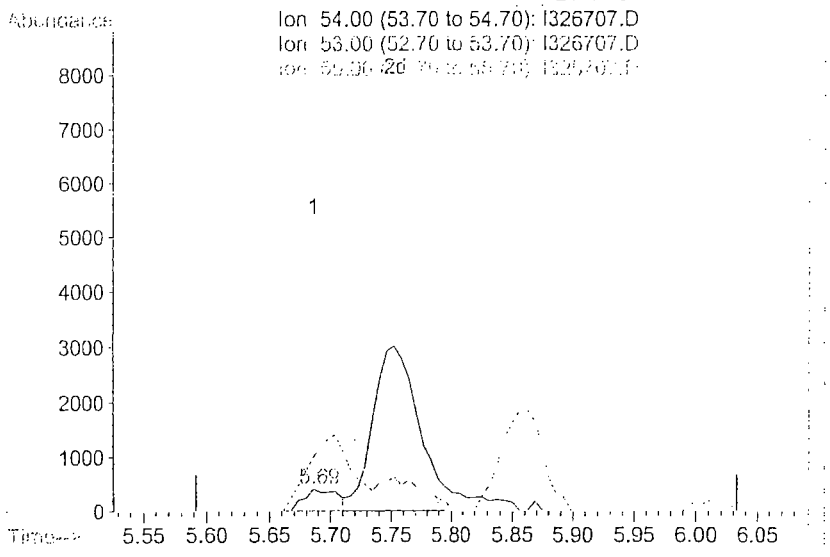
response 5686

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	709.
72.00	30.60	79.2
0.00	0.00	0.00

Propionitrile I326707.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:04:54 2007

BOP
MAR 27 2007

BEFORE



TIC: I326707.D

(48) Propionitrile (T)

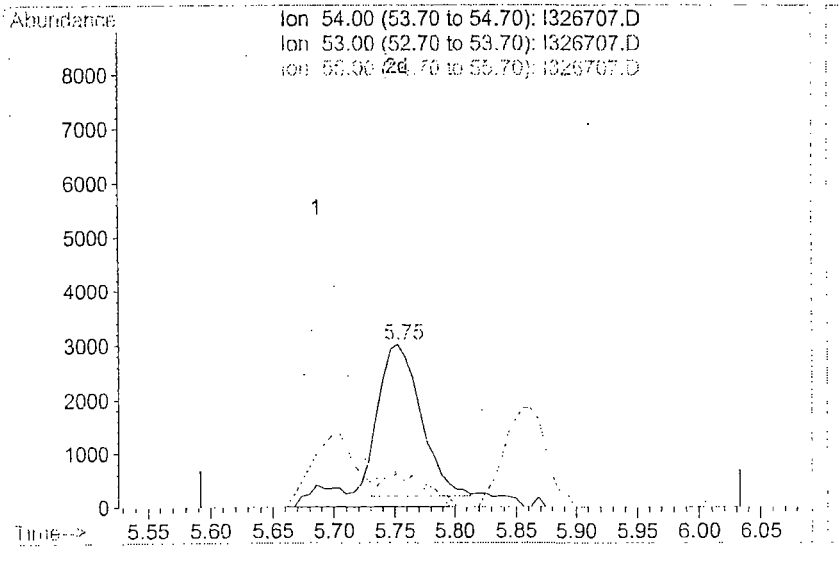
5.69min 2.82PPB

response 769

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	660.6
55.00	108.20	165[illegible]
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326707.D

(48) Propionitrile (T)

5.75min 25.64PPB m

response 7000

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	72.6
55.00	108.20	182.
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	541797	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	101525	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	112635	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.29	113	77335	10.4354 PPB	-0.04
Spiked Amount 16.700			Recovery = 62.51%		
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	41368	10.0937 PPB	-0.04
Spiked Amount 16.700			Recovery = 60.42%		
64) Toluene-d8 (Surr)	7.98	98	339420	10.6915 PPB	0.00
Spiked Amount 16.700			Recovery = 64.01%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	101158	10.3751 PPB	-0.01
Spiked Amount 16.700			Recovery = 62.16%		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	145289	10.3691 PPB		99
3) Chloromethane (SPCC)	1.65	50	138373	10.4267 PPB		99
4) Vinyl chloride (CCC)	1.74	62	97464	10.7104 PPB		99
5) Bromomethane	2.06	94	47320	11.0584 PPB		98
6) Ethylene oxide	2.16	44	65298	136.4235 PPB		96
7) Chloroethane	2.19	64	85510	11.0871 PPB		97
8) Trichlorofluoromethane	2.34	101	158590	10.5900 PPB		92
9) Ethyl ether	2.66	59	51904	10.2400 PPB		99
10) Ethanol	2.83	45	3711	224.2186 PPB		99
11) 1,1-Dichloroethene (CCC)	2.86	96	85678	10.3984 PPB		97
12) Carbon disulfide	2.87	76	256428	10.3127 PPB		98
13) 1,1,2-Trichlorotrifluoroet	2.91	101	93413	10.1879 PPB		99
14) Propylene oxide	2.99	58	37064	49.4602 PPB	#	97
15) Iodomethane	2.99	142	89414	11.4806 PPB		99
16) Bromoethane	3.12	108	60185	10.3234 PPB		99
17) Acrolein	3.20	56	16146	48.8733 PPB		98
18) 3-Chloropropene	3.34	41	121147	10.8950 PPB		99
19) Methylene chloride	3.45	84	84975	10.2873 PPB	#	78
20) Acetone	3.51	43	6792	10.0490 PPB		89
21) trans-1,2-Dichloroethene	3.61	96	100157	10.5900 PPB		98
22) Methyl acetate	3.64	74	16943	25.0489 PPB	#	100
23) Hexane	3.71	86	39465	10.5344 PPB		95
24) Methyl tert-butyl ether (M	3.74	73	142608	10.1185 PPB		79
25) tert-Butyl alcohol	3.85	59	36574	215.1641 PPB	#	84
26) Acetonitrile	3.98	40	6890	42.8454 PPB	#	100
27) Isopropyl ether	4.13	45	254069	10.5183 PPB		98
28) 2-Chloro-1,3-butadiene	4.22	88	75238	10.6069 PPB		99
29) 1,1-Dichloroethane (SPCC)	4.24	63	186847	10.5714 PPB		99
30) Acrylonitrile	4.30	53	60871	50.3089 PPB	#	98
31) Vinyl acetate	4.53	43	73730	9.6999 PPB	#	96
32) cis-1,2-Dichloroethene	4.80	96	99516	10.6155 PPB		98
33) 2,2-Dichloropropane	4.91	77	134757	10.3798 PPB	#	98
34) Cyclohexane	5.01	56	253449m	9.2371 PPB		
35) Bromochloromethane	5.01	130	38671	10.1012 PPB		89
36) 2-Methylhexane	5.02	43	210347	10.7605 PPB	#	96
37) Chloroform (CCC)	5.10	83	155898	10.3823 PPB	#	75
38) Carbon tetrachloride	5.23	117	107960	10.3890 PPB		100
39) 3-Methylhexane	5.22	57	89674	10.6586 PPB		95
40) Ethyl acetate	5.25	43	152573m	30.6191 PPB		
41) Tetrahydrofuran	5.25	42	14118m	3.9600 PPB		

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43) 1,1,1-Trichloroethane	5.30	97	136500	10.5028 PPB		99
44) 1,1-Dichloropropene	5.44	75	145897	10.6227 PPB		99
45) 2-Butanone (MEK)	5.44	43	11274	9.5115 PPB		93
46) Benzene	5.71	78	433226	10.4807 PPB		98
47) Heptane	5.69	57	88122	10.8909 PPB		97
48) Propionitrile	5.75	54	15605m	56.9752 PPB		
49) Methacrylonitrile	5.77	67	80570	52.7115 PPB	#	91
51) 1,2-Dichloroethane	5.93	62	88686	10.2713 PPB		100
52) Isobutyl alcohol	6.01	43	13406	265.6294 PPB		97
53) Methylcyclohexane	6.34	83	474575	26.5981 PPB		97
54) Trichloroethene	6.36	130	99691	10.4027 PPB		98
55) Dibromomethane	6.83	93	31000	10.3267 PPB		99
56) n-Butanol	6.80	56	13460	441.4128 ug/L	#	86
57) 1,2-Dichloropropane (CCC)	6.95	63	90631	10.4110 PPB		93
58) Bromodichloromethane	7.04	83	94153	10.2315 PPB		98
59) 1,4-Dioxane	7.29	88	4008	225.1018 PPB		96
60) Methyl methacrylate	7.25	69	20120	8.8814 PPB		91
61) 1-Bromo-2-chloroethane	7.59	63	83082	10.1798 PPB		91
62) cis-1,3-Dichloropropene	7.78	75	117512	10.4777 PPB		99
63) 2-Chloroethyl vinyl ether	7.74	63	15170	8.9521 PPB		98
66) Toluene (CCC)	8.04	91	423028	10.5875 PPB		99
67) Epichlorohydrin	8.06	57	12171	48.2771 PPB	#	74
68) 2-Nitropropane	8.28	43	4335	8.2096 PPB	#	100
69) Tetrachloroethene	8.41	164	82371	10.3129 PPB		99
70) 4-Methyl-2-pentanone (MIBK	8.43	43	19524	8.5740 PPB	#	82
71) trans-1,3-Dichloropropene	8.45	75	83952	10.3514 PPB		97
72) 1,1,2-Trichloroethane	8.59	97	46851	10.2300 PPB		94
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	8170	32.0601 PPB	#	100
74) Ethyl methacrylate	8.62	69	41936	9.0327 PPB		91
75) Dibromochloromethane	8.74	129	43257	10.0905 PPB		99
76) 1,3-Dichloropropane	8.82	76	95538	10.2919 PPB		99
77) 1,2-Dibromoethane (EDB)	8.93	107	39539	10.2928 PPB		100
78) 2-Hexanone	9.15	43	10191	10.7118 PPB		86
79) Chlorobenzene (SPCC)	9.36	112	239617	10.4366 PPB		99
80) 1-Chlorohexane	9.35	55	95588	10.2281 PPB		98
81) Ethylbenzene (CCC)	9.39	106	141694	10.6226 PPB		92
82) 1,1,1,2-Tetrachloroethane	9.41	131	65753	10.2450 PPB	#	1
83) m&p-Xylene	9.50	106	349273	21.6864 PPB		98
84) o-Xylene	9.81	106	156968	10.8468 PPB		98
85) Bromoform (SPCC)	9.86	173	17101	9.6430 PPB		97
86) Styrene	9.85	104	224662	11.0892 PPB		99
87) Isopropylbenzene	10.03	105	409439	10.9697 PPB		98
88) Bromobenzene	10.29	156	69854	10.3530 PPB	#	62
89) n-Propylbenzene	10.31	120	108055	10.8594 PPB	#	85
90) 1,1,2,2-Tetrachloroethane	10.36	83	38270	10.0955 PPB		98
93) 2-Chlorotoluene	10.41	126	84771	10.5333 PPB		91
94) Cyclohexanone	10.48	42	1207m	41.5364 PPB		
95) 1,2,3-Trichloropropane	10.45	110	12695	10.1815 PPB		92
96) trans-1,4-Dichloro-2-buten	10.48	89	2014	9.2931 PPB	#	1
97) 3-Ethyltoluene	10.37	105	360233	11.0808 PPB	#	72
98) 4-Chlorotoluene	10.52	126	85344	10.6200 PPB	#	86
99) 1,3,5-Trimethylbenzene	10.44	105	313152	11.0178 PPB		58
100) 2-Ethyltoluene	10.57	105	351710	10.8499 PPB	#	4
101) tert-Butylbenzene	10.64	91	176139	10.8672 PPB		91
102) Pentachloroethane	10.66	167	23899	9.8076 PPB	#	1

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00
Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.69	105	292821	10.8492 PPB		80
104) sec-Butylbenzene	10.76	105	403485	10.9459 PPB		99
105) p-Isopropyltoluene	10.84	119	321771	11.0984 PPB		96
106) 1,3-Dichlorobenzene	10.90	146	135873	10.3042 PPB	#	34
107) 1,4-Dichlorobenzene	10.95	146	134851	10.2311 PPB	#	21
108) Benzyl chloride	11.10	126	8088	9.5219 PPB	#	1
109) n-Butylbenzene	11.10	134	74506	11.0876 PPB	#	64
110) 1,2-Dichlorobenzene	11.21	146	104348	10.2515 PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	197071	26.0154 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	3045	11.2252 PPB	#	1
113) Hexachlorobutadiene	12.06	225	32107	10.1506 PPB		98
114) 1,2,4-Trichlorobenzene	12.10	180	45950	10.0870 PPB		100
115) Naphthalene	12.31	128	45530	9.2082 PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	29544	9.8538 PPB		99

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

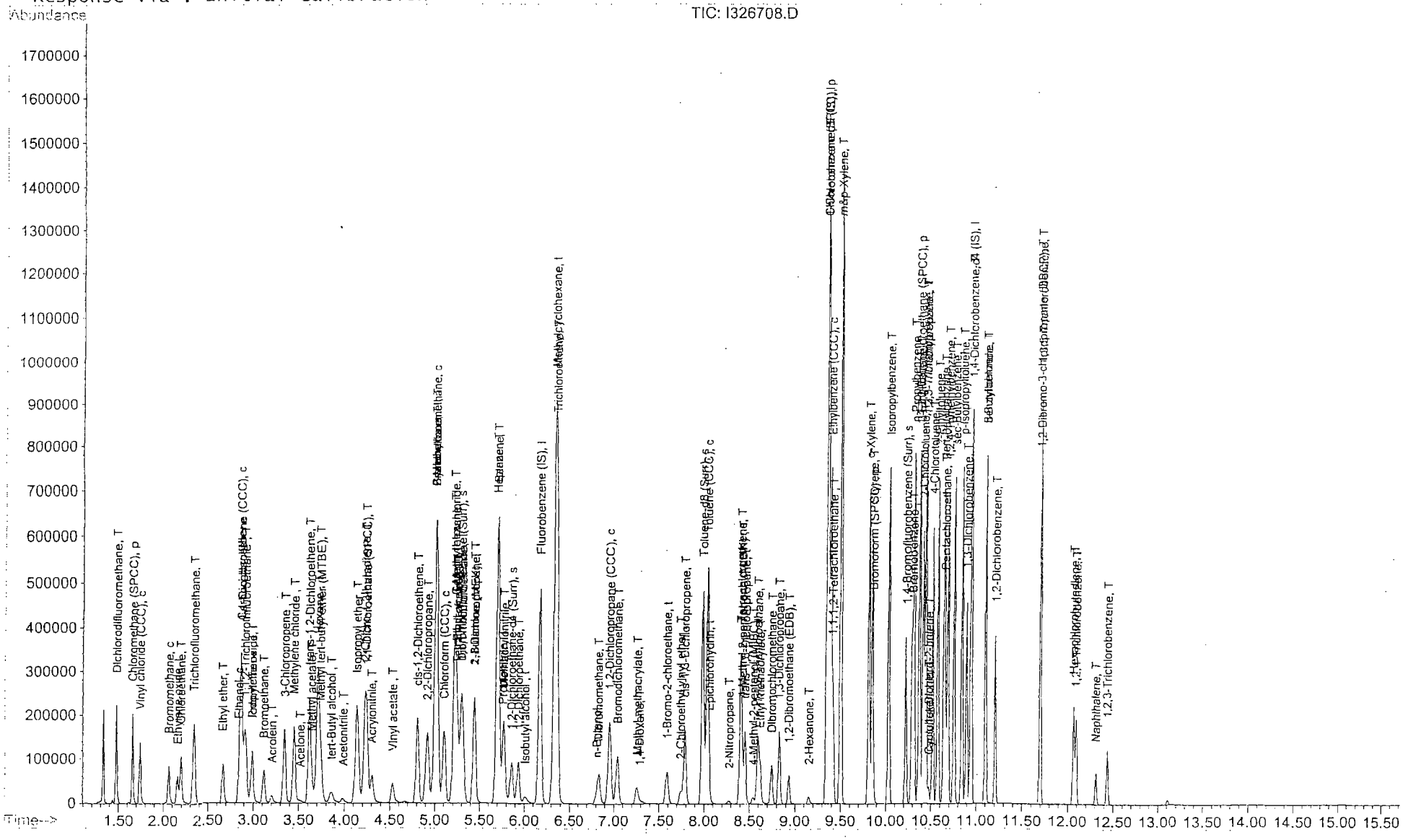
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326708.D
Acq On : 26 Mar 2007 6:30 pm
Sample : STD 10 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,10uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:56 19107

Vial: 8
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration

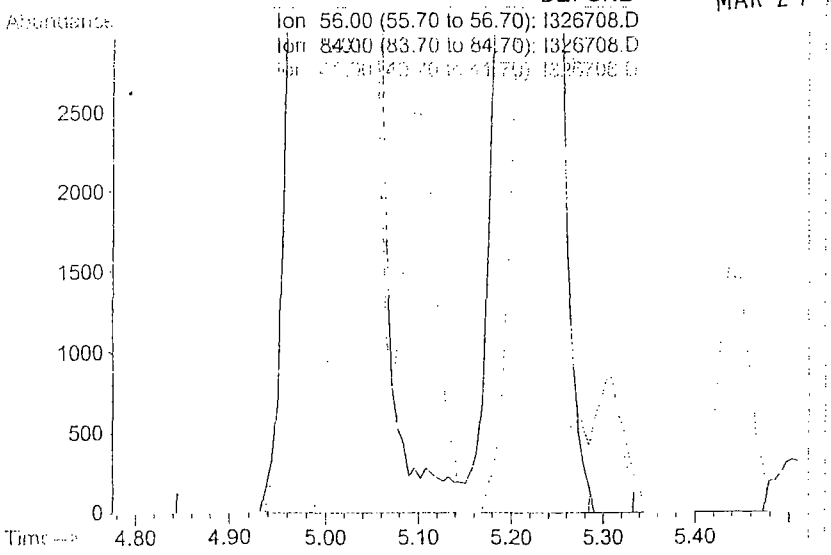


Cyclohexane I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:27:08 2007

BJP

MAR 27 2007

BEFORE



TIC: I326708.D

(34) Cyclohexane (T)

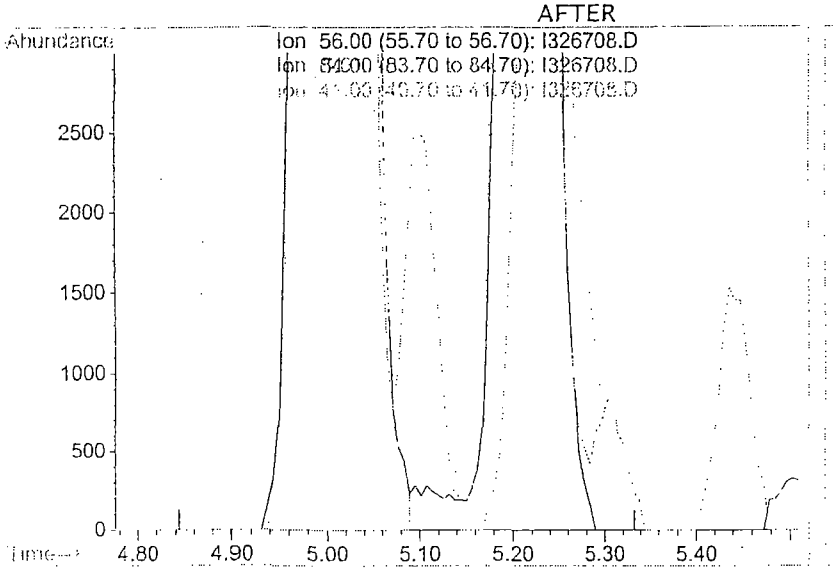
5.01min 11.86PPB

response 325409

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	62.7
41.00	82.10	105.(
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326708.D

(34) Cyclohexane (T)

5.01min 9.24PPB m

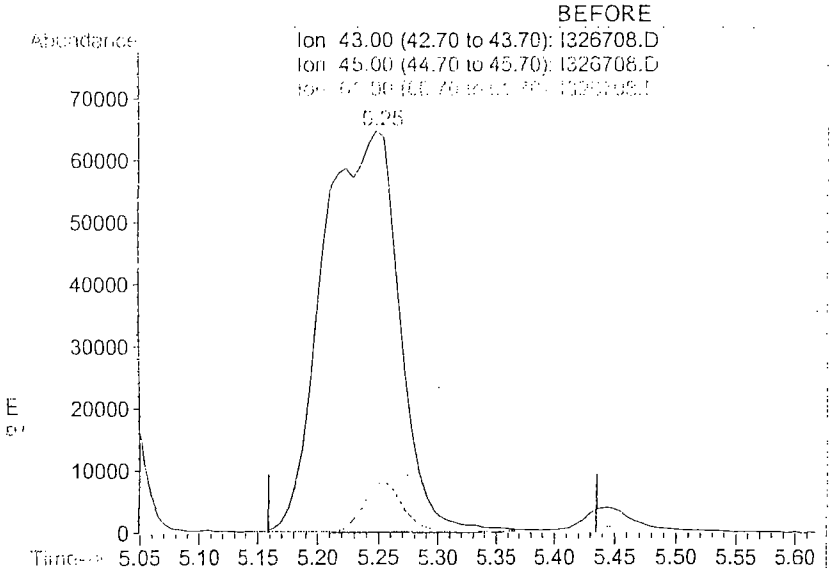
response 253449

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	80.6
41.00	82.10	135.(
0.00	0.00	0.00

Ethyl acetate I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:05:18 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(40) Ethyl acetate (T)

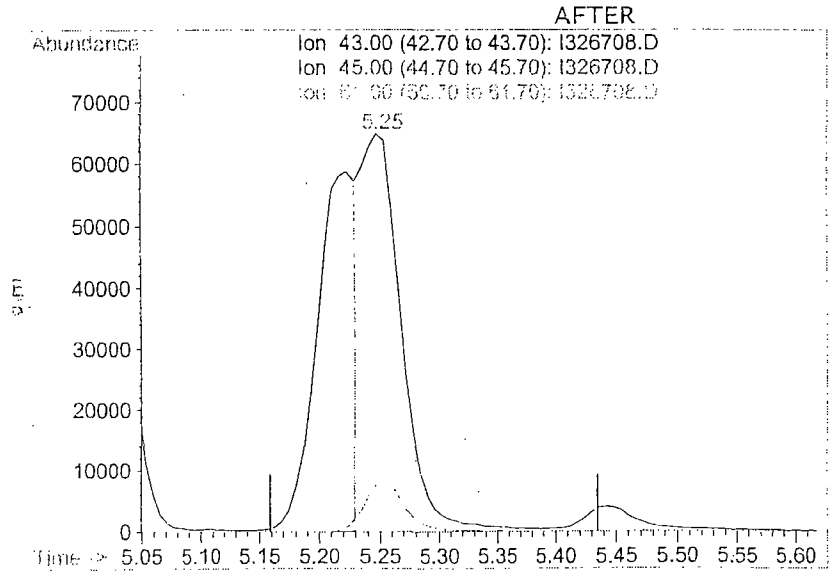
5.25min 56.42PPB

response 281153

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	6.77
61.00	29.70	29.7
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326708.D

(40) Ethyl acetate (T)

5.25min 30.62PPB m

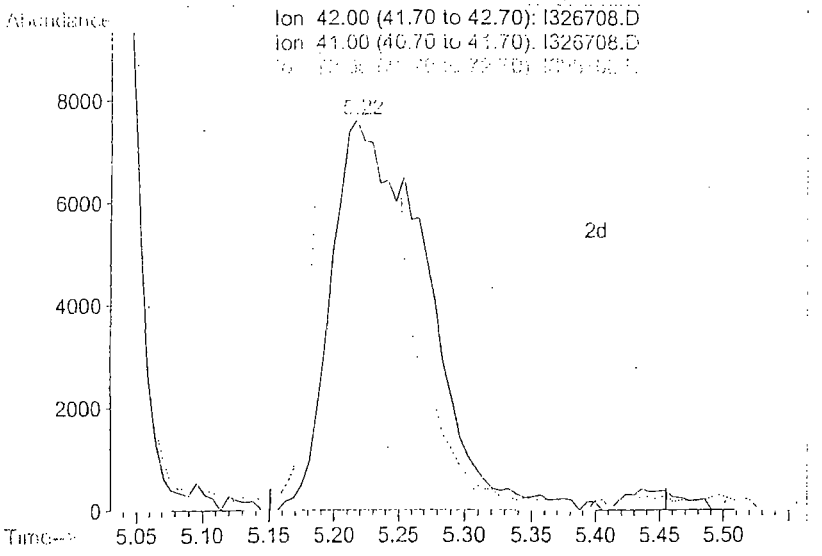
response 152573

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	12.4
61.00	29.70	54.8
0.00	0.00	0.00

Tetrahydrofuran I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJR Tue Mar 27 13:03:06 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(41) Tetrahydrofuran (T

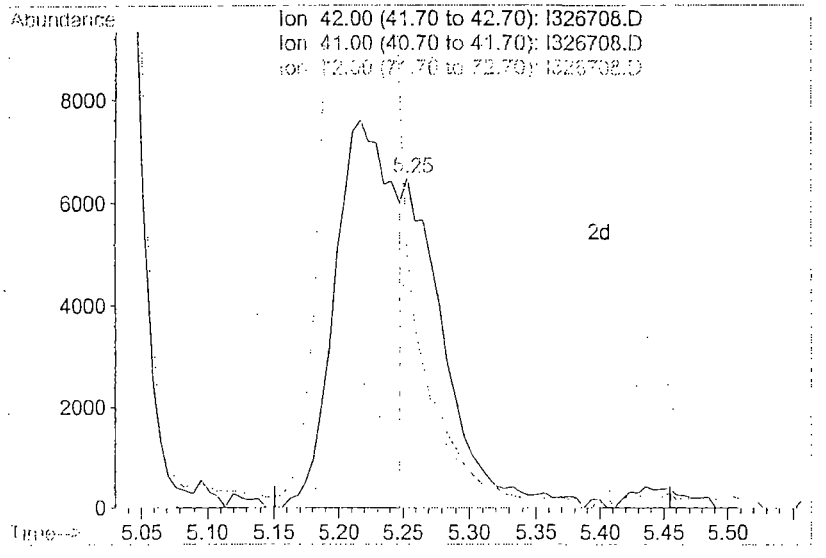
5.22min 10.72PPB

response 38235

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	227.
72.00	30.60	27.5
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326708.D

(41) Tetrahydrofuran (T

5.25min 3.96PPB m

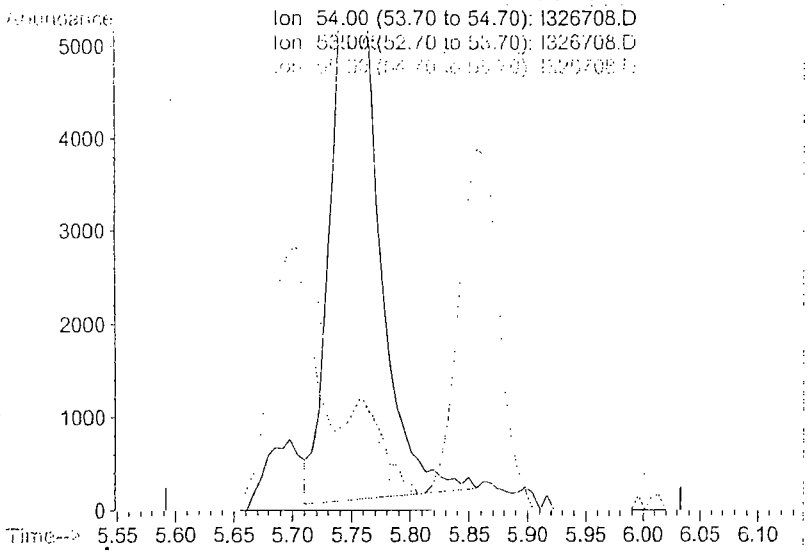
response 14118

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	616.
72.00	30.60	74.5
0.00	0.00	0.00

Propionitrile I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:07:36 2007

BJP
MAR 27 2007

BEFORE



TIC: I326708.D

(48) Propionitrile (T)

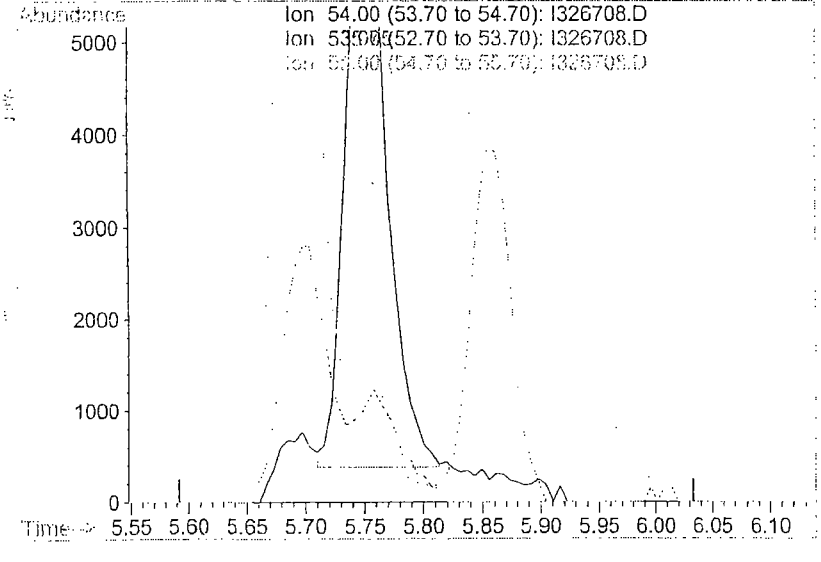
5.75min 64.03PPB

response 17538

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	0.0
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326708.D

(48) Propionitrile (T)

5.75min 56.98PPB m

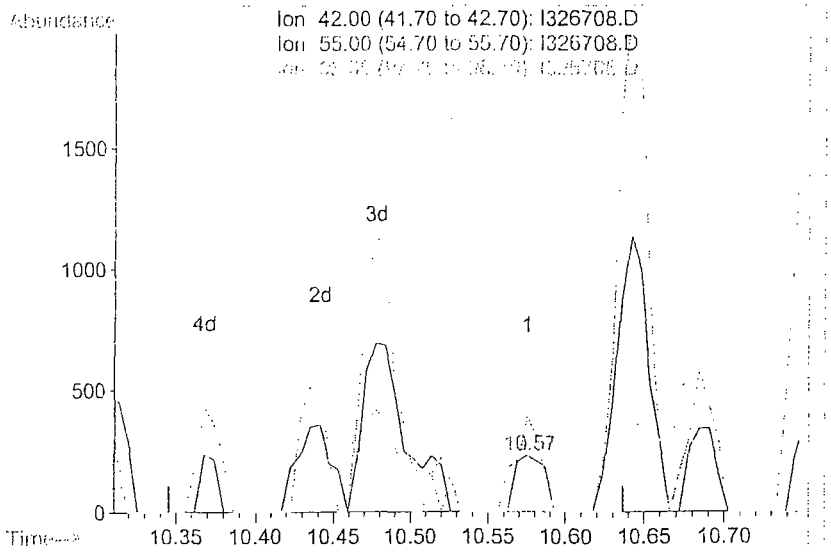
response 15605

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	0.0
0.00	0.00	0.00

Cyclohexanone I326708.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:10:20 2007

MAR 27 2007

BEFORE



TIC: I326708.D

(94) Cyclohexanone (T)

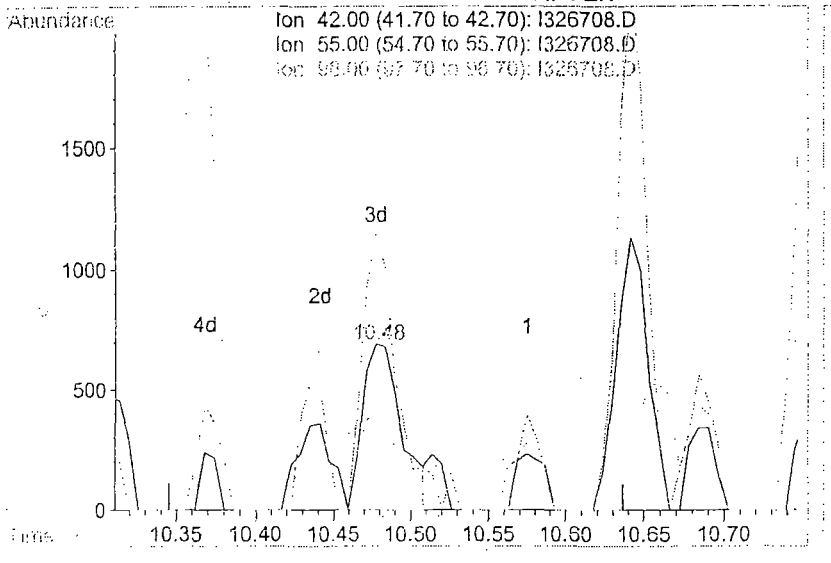
10.57min 10.39PPB

response 302

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	150.
98.00	112.90	112.
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326708.D

(94) Cyclohexanone (T)

10.48min 41.54PPB m

response 1207

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	37.(
98.00	112.90	28.(
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BM
MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	547153	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	104910	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	117043	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.30	113	150803	20.1498 PPB	-0.03
Spiked Amount 16.700			Recovery	= 120.66%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	81448	19.6785 PPB	-0.04
Spiked Amount 16.700			Recovery	= 117.84%	
64) Toluene-d8 (Surr)	7.98	98	667083	20.8070 PPB	0.00
Spiked Amount 16.700			Recovery	= 124.61%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	202917	20.1403 PPB	-0.01
Spiked Amount 16.700			Recovery	= 120.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	282009	19.9296 PPB		99
3) Chloromethane (SPCC)	1.65	50	264195	19.7128 PPB		99
4) Vinyl chloride (CCC)	1.74	62	183104	19.9245 PPB		100
5) Bromomethane	2.06	94	91247	21.1151 PPB		99
6) Ethylene oxide	2.16	44	120872	250.0591 PPB		100
7) Chloroethane	2.19	64	155774	19.9997 PPB		99
8) Trichlorofluoromethane	2.34	101	300084	19.8422 PPB		98
9) Ethyl ether	2.66	59	106477	20.8009 PPB		99
10) Ethanol	2.83	45	9864	590.1489 PPB		89
11) 1,1-Dichloroethene (CCC)	2.85	96	166211	19.9748 PPB		97
12) Carbon disulfide	2.86	76	515719	20.5375 PPB		99
13) 1,1,2-Trichlorotrifluoroet	2.91	101	180303	19.4718 PPB		99
14) Propylene oxide	2.99	58	76495	101.0798 PPB	#	100
15) Iodomethane	2.99	142	164096	20.8634 PPB		100
16) Bromoethane	3.12	108	116504	19.7881 PPB		100
17) Acrolein	3.20	56	33897	101.6004 PPB		99
18) 3-Chloropropene	3.34	41	234546	20.8866 PPB		99
19) Methylene chloride	3.45	84	163351	19.5821 PPB	#	79
20) Acetone	3.51	43	12909	18.9124 PPB		99
21) trans-1,2-Dichloroethene	3.61	96	190749	19.9712 PPB		97
22) Methyl acetate	3.64	74	33527	49.0818 PPB	#	100
23) Hexane	3.71	86	78243	20.6810 PPB		96
24) Methyl tert-butyl ether (M	3.73	73	299438	21.0382 PPB		88
25) tert-Butyl alcohol	3.85	59	90690	528.3049 PPB	#	90
26) Acetonitrile	3.98	40	14907	91.7915 PPB	#	100
27) Isopropyl ether	4.13	45	521307	21.3706 PPB		99
28) 2-Chloro-1,3-butadiene	4.22	88	153321	21.4033 PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	357492	20.0281 PPB		100
30) Acrylonitrile	4.30	53	125882	103.0211 PPB	#	100
31) Vinyl acetate	4.53	43	163817	21.3408 PPB	#	98
32) cis-1,2-Dichloroethene	4.80	96	188594	19.9207 PPB		99
33) 2,2-Dichloropropane	4.91	77	272496	20.7839 PPB	#	98
34) Cyclohexane	5.01	56	485984m	17.5386 PPB		
35) Bromochloromethane	5.01	130	76151	19.6965 PPB		90
36) 2-Methylhexane	5.02	43	411087	20.8237 PPB	#	94
37) Chloroform (CCC)	5.10	83	300593	19.8226 PPB	#	95
38) Carbon tetrachloride	5.23	117	213155	20.3111 PPB		100
39) 3-Methylhexane	5.22	57	176680	20.7945 PPB		96
40) Ethyl acetate	5.25	43	313858m	62.3700 PPB		
41) Tetrahydrofuran	5.25	42	31348m	8.7068 PPB		

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-Trichloroethane	5.30	97	266683	20.3187	PPB		100
44)	1,1-Dichloropropene	5.44	75	283732	20.4563	PPB		98
45)	2-Butanone (MEK)	5.44	43	23560	19.6823	PPB		95
46)	Benzene	5.71	78	830677	19.8993	PPB		99
47)	Heptane	5.69	57	173465	21.2284	PPB		98
48)	Propionitrile	5.75	54	33467m	120.9948	PPB		
49)	Methacrylonitrile	5.77	67	169914	110.0751	PPB	#	95
51)	1,2-Dichloroethane	5.93	62	175933	20.1766	PPB		100
52)	Isobutyl alcohol	6.01	43	34925	482.2209	PPB		97
53)	Methylcyclohexane	6.34	83	913145	50.6773	PPB		98
54)	Trichloroethene	6.36	130	193267	19.9698	PPB		98
55)	Dibromomethane	6.83	93	62190	20.5139	PPB		99
56)	n-Butanol	6.80	56	40241	1034.5337	ug/L	#	95
57)	1,2-Dichloropropane (CCC)	6.95	63	179884	20.4614	PPB		94
58)	Bromodichloromethane	7.04	83	192123	20.6734	PPB		100
59)	1,4-Dioxane	7.28	88	10045	558.6361	PPB		95
60)	Methyl methacrylate	7.25	69	49822	18.0211	PPB		94
61)	1-Bromo-2-chloroethane	7.59	63	166596	20.2127	PPB		93
62)	cis-1,3-Dichloropropene	7.78	75	248805	21.9671	PPB		99
63)	2-Chloroethyl vinyl ether	7.74	63	34886	20.3853	PPB		99
66)	Toluene (CCC)	8.04	91	823359	19.9421	PPB		99
67)	Epichlorohydrin	8.06	57	26972	103.5343	PPB		87
68)	2-Nitropropane	8.28	43	10365	18.9959	PPB	#	100
69)	Tetrachloroethene	8.40	164	161499	19.5673	PPB		100
70)	4-Methyl-2-pentanone (MIBK	8.43	43	47958	20.3813	PPB	#	89
71)	trans-1,3-Dichloropropene	8.45	75	182896	21.8237	PPB		99
72)	1,1,2-Trichloroethane	8.59	97	94785	20.0286	PPB		97
73)	4-Methyl-2-pentanol (MIBC)	8.54	45	22936	87.0998	PPB	#	100
74)	Ethyl methacrylate	8.62	69	107958	18.4141	PPB		99
75)	Dibromochloromethane	8.74	129	94314	21.2906	PPB		99
76)	1,3-Dichloropropane	8.82	76	190869	19.8981	PPB		99
77)	1,2-Dibromoethane (EDB)	8.93	107	82223	20.7137	PPB		99
78)	2-Hexanone	9.15	43	26289	18.7918	PPB		82
79)	Chlorobenzene (SPCC)	9.36	112	466386	19.6582	PPB		99
80)	1-Chlorohexane	9.35	55	183533	19.0047	PPB		98
81)	Ethylbenzene (CCC)	9.39	106	276579	20.0658	PPB		93
82)	1,1,1,2-Tetrachloroethane	9.41	131	134068	20.2152	PPB	#	1
83)	m&p-Xylene	9.50	106	696306	41.8387	PPB		99
84)	o-Xylene	9.81	106	313795	20.9843	PPB		98
85)	Bromoform (SPCC)	9.86	173	37359	20.3864	PPB		99
86)	Styrene	9.85	104	476932	22.7816	PPB		100
87)	Isopropylbenzene	10.03	105	805820	20.8929	PPB		98
88)	Bromobenzene	10.29	156	142134	20.3859	PPB		94
89)	n-Propylbenzene	10.31	120	213912	20.8043	PPB	#	89
90)	1,1,2,2-Tetrachloroethane	10.36	83	80164	20.4647	PPB		98
93)	2-Chlorotoluene	10.41	126	168270	20.1211	PPB		92
94)	Cyclohexanone	10.48	42	3026	100.2118	PPB	#	48
95)	1,2,3-Trichloropropane	10.45	110	26169	20.1974	PPB		94
96)	trans-1,4-Dichloro-2-buten	10.48	89	5351	19.6615	PPB	#	1
97)	3-Ethyltoluene	10.37	105	710320	21.0266	PPB	#	72
98)	4-Chlorotoluene	10.52	126	169339	20.2785	PPB	#	85
99)	1,3,5-Trimethylbenzene	10.44	105	619479	20.9747	PPB		57
100)	2-Ethyltoluene	10.57	105	698903	20.7485	PPB	#	4
101)	tert-Butylbenzene	10.64	91	340845	20.2371	PPB		89
102)	Pentachloroethane	10.66	167	51628	20.3891	PPB	#	1

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326709.D Vial: 9
Acq On : 26 Mar 2007 6:57 pm Operator: BJP
Sample : STD 20 PPB;ALL ANALYTES Inst : MSI
Misc : 1,1, 07MSV0245,20uL/50mL Multiplr: 1.00
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107 Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.68	105	588797	20.9937 PPB		81
104) sec-Butylbenzene	10.76	105	791871	20.6732 PPB	#	83
105) p-Isopropyltoluene	10.84	119	642827	21.3372 PPB		96
106) 1,3-Dichlorobenzene	10.90	146	271427	19.8089 PPB	#	34
107) 1,4-Dichlorobenzene	10.95	146	266421	19.4521 PPB	#	21
108) Benzyl chloride	11.10	126	20655	17.4817 PPB	#	1
109) n-Butylbenzene	11.10	134	151083	21.6367 PPB	#	62
110) 1,2-Dichlorobenzene	11.21	146	210617	19.9125 PPB		99
111) 1,3,5-Trichlorobenzene	11.70	180	407806	51.8072 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	6604	18.3709 PPB	#	1
113) Hexachlorobutadiene	12.06	225	66442	20.2146 PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	98678	20.8460 PPB		100
115) Naphthalene	12.31	128	114905	17.5934 PPB		99
116) 1,2,3-Trichlorobenzene	12.44	180	66393	21.3102 PPB		100

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

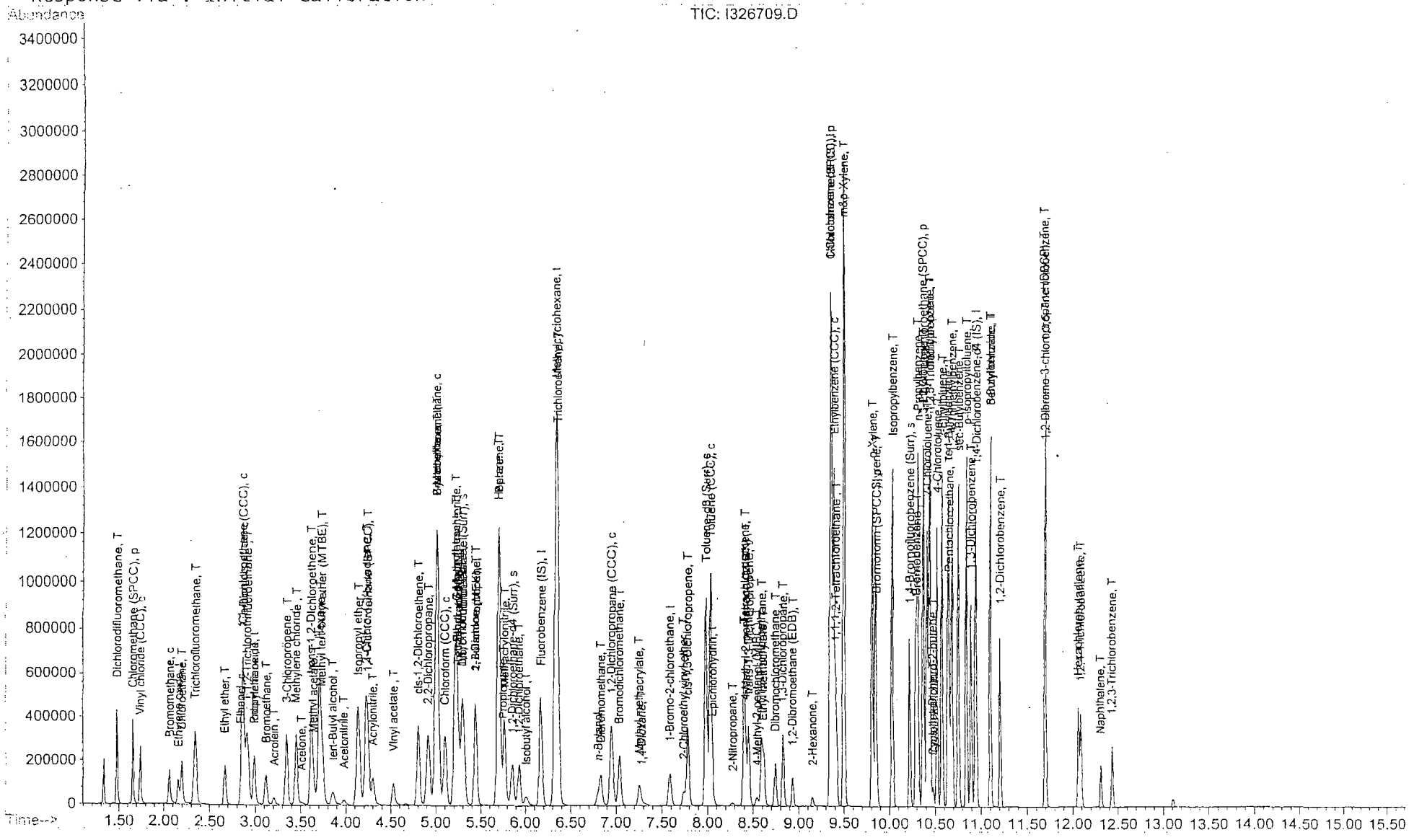
Quantitation Report

Data File : H:\MSI.I\I032607.B\I326709.D
Acq On : 26 Mar 2007 6:57 pm
Sample : STD 20 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,20uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:49 19107

Vial: 9
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

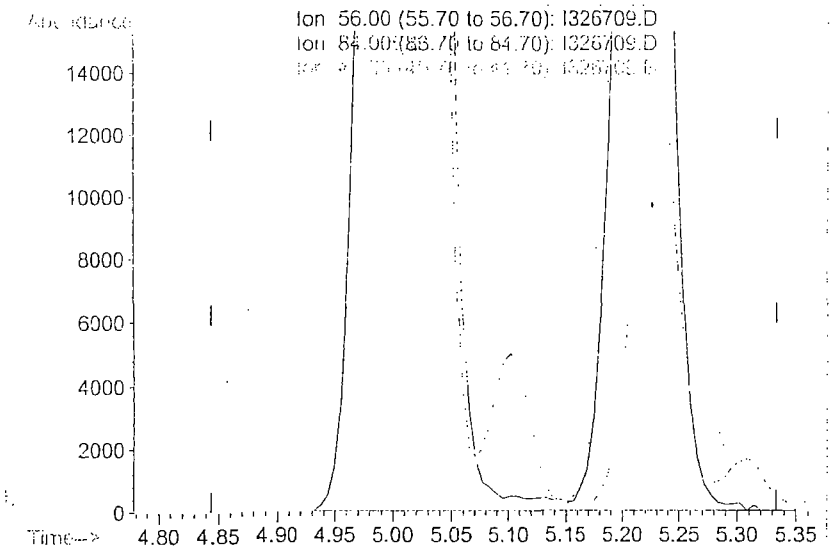
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



Cyclohexane I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:09:28 2007

BJP
MAR 27 2007

BEFORE



TIC: I326709.D

(34) Cyclohexane (T)

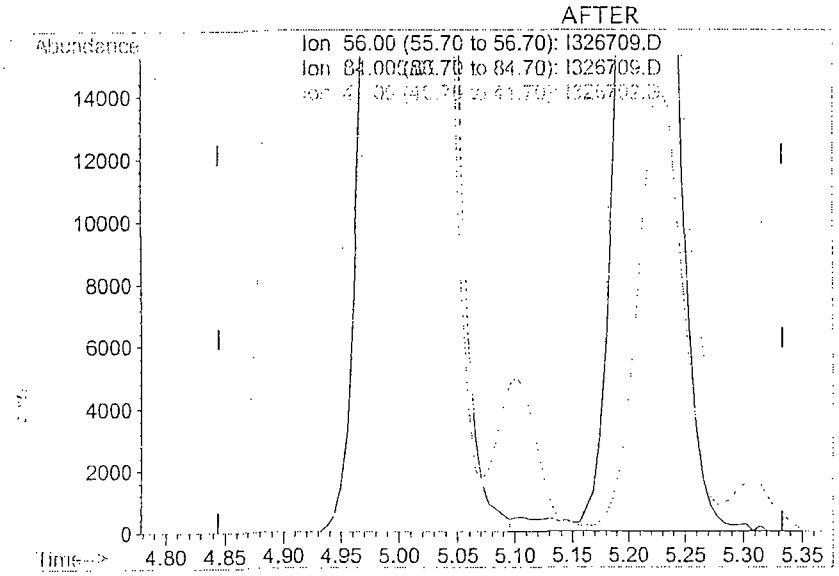
5.01min 22.56PPB

response 625157

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	69.6
41.00	82.10	81.0
0.00	0.00	0.00

BJ
3-27-07

AFTER



TIC: I326709.D

(34) Cyclohexane (T)

5.01min 17.54PPB m

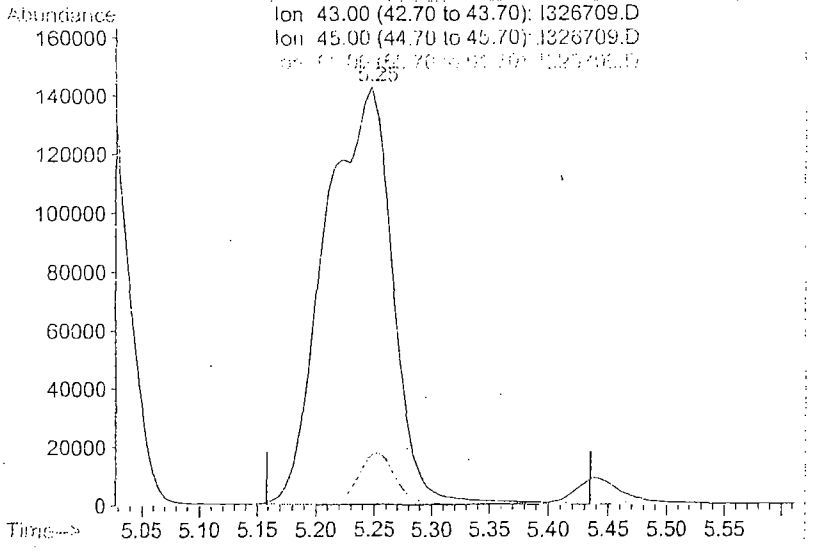
response 485984

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	89.5
41.00	82.10	104.2
0.00	0.00	0.00

Ethyl acetate I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:10:24 2007

MAR 27 2007

BEFORE



TIC: I326709.D

(40) Ethyl acetate (T)

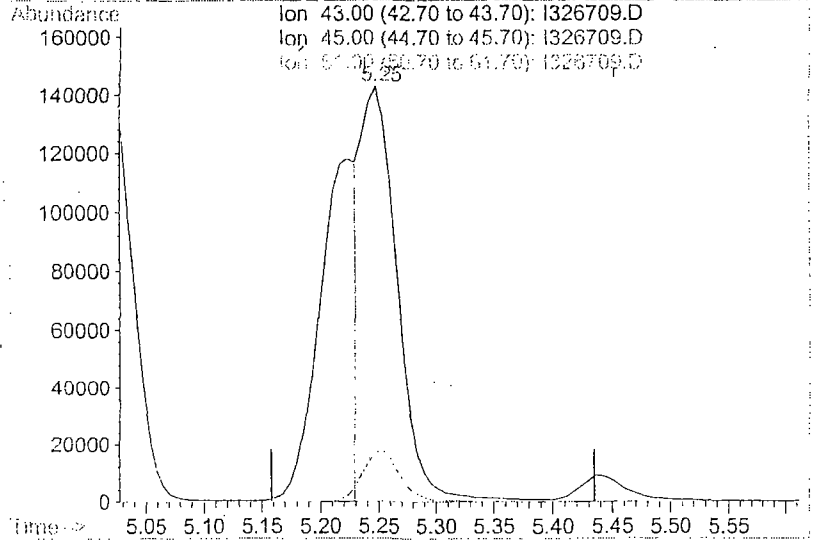
5.25min 113.07PPB

response 568972

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.13
61.00	29.70	28.8
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326709.D

(40) Ethyl acetate (T)

5.25min 62.37PPB m

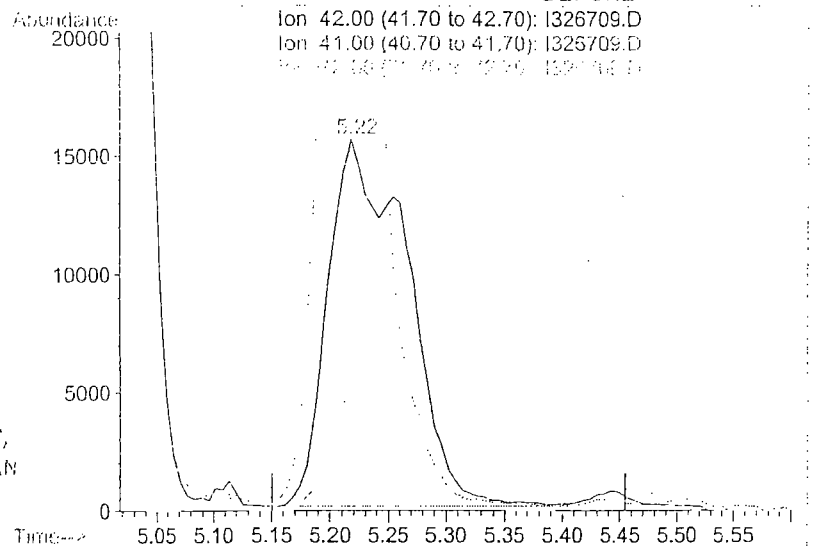
response 313858

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	12.9
61.00	29.70	52.2
0.00	0.00	0.00

Tetrahydrofuran I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:03:29 2007

MAR 27 2007

BEFORE



TIC: I326709.D

(41) Tetrahydrofuran (T

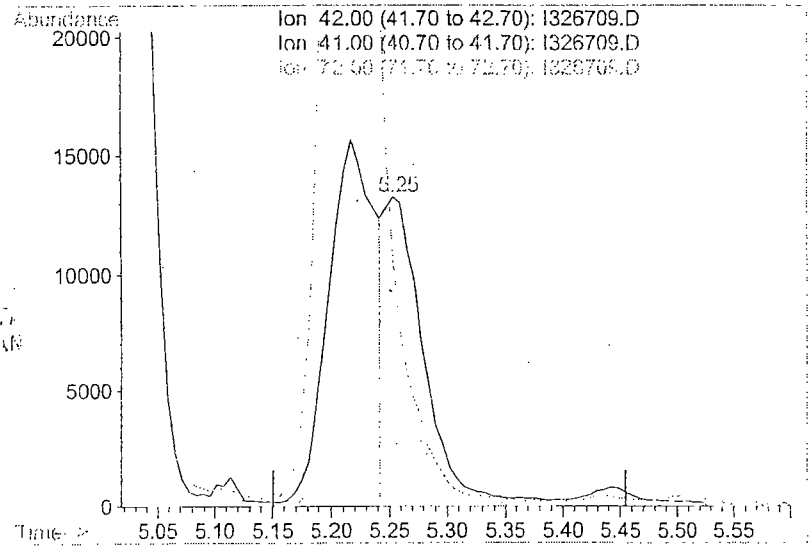
5.22min 20.30PPB

response 73082

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	225.
72.00	30.60	28.6
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326709.D

(41) Tetrahydrofuran (T

5.25min 8.71PPB m

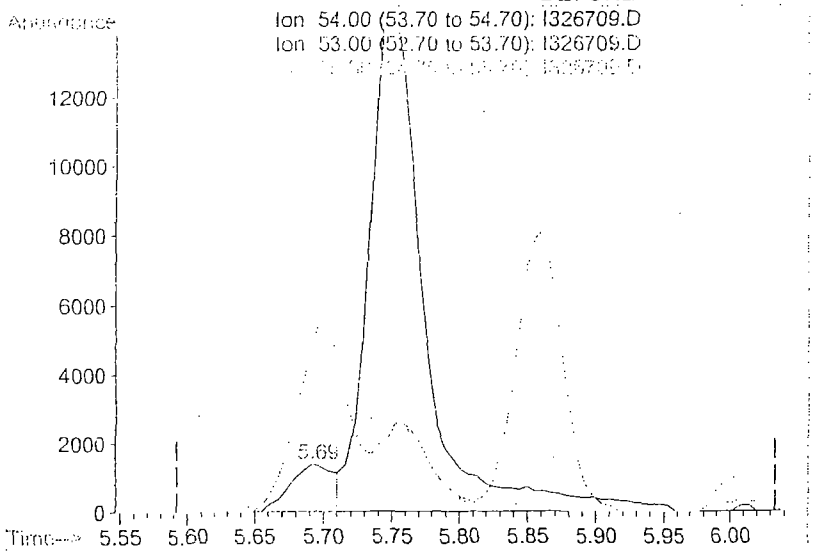
response 31348

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	525.
72.00	30.60	66.8
0.00	0.00	0.00

Propionitrile I326709.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJR Tue Mar 27 12:10:43 2007

Poor
MAR 27 2007

BEFORE



TIC: I326709.D

(48) Propionitrile (T)

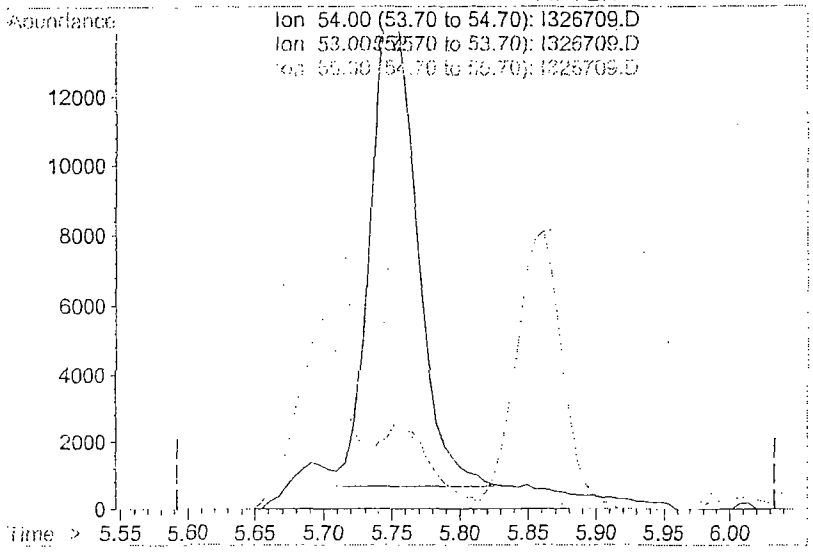
5.69min 11.01PPB

response 3046

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	176:
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326709.D

(48) Propionitrile (T)

5.75min 120.99PPB m

response 33467

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	160.
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP
MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.17	96	555195	16.7000 PPB		-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	107272	16.7000 PPB		-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	119765	16.7000 PPB		-0.02
System Monitoring Compounds						
42) Dibromofluoromethane (Surr	5.29	113	376013	49.5139 PPB		-0.04
Spiked Amount 16.700			Recovery	= 296.47%		
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	196872	46.8770 PPB		-0.04
Spiked Amount 16.700			Recovery	= 280.72%		
64) Toluene-d8 (Surr)	7.98	98	1676645	51.5388 PPB		0.00
Spiked Amount 16.700			Recovery	= 308.62%		
91) 1,4-Bromofluorobenzene (Su	10.22	95	515918	50.0794 PPB		-0.01
Spiked Amount 16.700			Recovery	= 299.88%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	695683	48.4518 PPB		99
3) Chloromethane (SPCC)	1.65	50	672610	49.4595 PPB		100
4) Vinyl chloride (CCC)	1.74	62	458593	49.1790 PPB		100
5) Bromomethane	2.06	94	242171	55.2280 PPB		100
6) Ethylene oxide	2.16	44	304491	620.8042 PPB		99
7) Chloroethane	2.20	64	378864	47.9375 PPB		99
8) Trichlorofluoromethane	2.34	101	730221	47.5845 PPB		98
9) Ethyl ether	2.66	59	273343	52.6257 PPB		100
10) Ethanol	2.83	45	21736	1281.5968 PPB		97
11) 1,1-Dichloroethene (CCC)	2.85	96	417620	49.4615 PPB		99
12) Carbon disulfide	2.86	76	1321865	51.8783 PPB		100
13) 1,1,2-Trichlorotrifluoroet	2.91	101	452100	48.1173 PPB		100
14) Propylene oxide	2.99	58	203923	265.5588 PPB	#	99
15) Iodomethane	2.99	142	390206	48.8928 PPB		99
16) Bromoethane	3.12	108	293494	49.1277 PPB		100
17) Acrolein	3.20	56	95703	282.6982 PPB		99
18) 3-Chloropropene	3.34	41	577605	50.6915 PPB		99
19) Methylene chloride	3.45	84	411246	48.5849 PPB		98
20) Acetone	3.51	43	35093	50.6686 PPB		100
21) trans-1,2-Dichloroethene	3.62	96	463445	47.8194 PPB		98
22) Methyl acetate	3.64	74	88130	127.1489 PPB	#	100
23) Hexane	3.70	86	195213	50.8509 PPB		98
24) Methyl tert-butyl ether (M	3.73	73	790372	54.7263 PPB		96
25) tert-Butyl alcohol	3.86	59	245286	1408.1898 PPB	#	94
26) Acetonitrile	3.98	40	40006	242.7732 PPB	#	100
27) Isopropyl ether	4.13	45	1340458	54.1550 PPB		100
28) 2-Chloro-1,3-butadiene	4.22	88	399663	54.9840 PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	891717	49.2337 PPB		100
30) Acrylonitrile	4.30	53	329404	265.6774 PPB	#	99
31) Vinyl acetate	4.52	43	453864	58.2695 PPB	#	98
32) cis-1,2-Dichloroethene	4.80	96	462663	48.1620 PPB		99
33) 2,2-Dichloropropane	4.91	77	720180	54.1342 PPB	#	99
34) Cyclohexane	5.01	56	1185675m	42.1699 PPB		
35) Bromochloromethane	5.01	130	193874	49.4192 PPB		95
36) 2-Methylhexane	5.02	43	991401	49.4922 PPB	#	97
37) Chloroform (CCC)	5.10	83	754123	49.0104 PPB	#	99
38) Carbon tetrachloride	5.23	117	552172	51.8533 PPB		99
39) 3-Methylhexane	5.22	57	433850	50.3227 PPB		97
40) Ethyl acetate	5.25	43	892920m	174.8711 PPB		
41) Tetrahydrofuran	5.25	42	85186m	23.3173 PPB		

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,1,1-Trichloroethane	5.31	97	677967	50.9064	PPB		100
44)	1,1-Dichloropropene	5.44	75	718844	51.0759	PPB		100
45)	2-Butanone (MEK)	5.44	43	63760	52.4942	PPB		97
46)	Benzene	5.71	78	2060562	48.6468	PPB		100
47)	Heptane	5.69	57	428613	51.6933	PPB		99
48)	Propionitrile	5.75	54	85005m	302.8710	PPB		
49)	Methacrylonitrile	5.77	67	444355	283.6961	PPB	#	99
51)	1,2-Dichloroethane	5.94	62	438143	49.5198	PPB		100
52)	Isobutyl alcohol	6.00	43	101844	1145.0030	PPB		99
53)	Methylcyclohexane	6.34	83	2245628	122.8217	PPB		99
54)	Trichloroethene	6.36	130	489109	49.8064	PPB		99
55)	Dibromomethane	6.84	93	155085	50.4150	PPB		99
56)	n-Butanol	6.80	56	122818	2498.3738	ug/L	#	98
57)	1,2-Dichloropropane (CCC)	6.95	63	458352	51.3814	PPB		100
58)	Bromodichloromethane	7.04	83	511084	54.1985	PPB		100
59)	1,4-Dioxane	7.29	88	25092	1375.2370	PPB		99
60)	Methyl methacrylate	7.25	69	149950	48.3666	PPB		100
61)	1-Bromo-2-chloroethane	7.59	63	434003	51.8939	PPB		93
62)	cis-1,3-Dichloropropene	7.78	75	671687	58.4445	PPB		99
63)	2-Chloroethyl vinyl ether	7.74	63	101291	58.3311	PPB		99
66)	Toluene (CCC)	8.03	91	2070319	49.0398	PPB		100
67)	Epichlorohydrin	8.06	57	72917	273.7349	PPB		94
68)	2-Nitropropane	8.28	43	33859	60.6869	PPB		100
69)	Tetrachloroethene	8.40	164	416398	49.3401	PPB		100
70)	4-Methyl-2-pentanone (MIBK	8.43	43	139758	58.0870	PPB	#	99
71)	trans-1,3-Dichloropropene	8.45	75	502750	58.6688	PPB		99
72)	1,1,2-Trichloroethane	8.59	97	242555	50.1248	PPB		99
73)	4-Methyl-2-pentanol (MIBC)	8.54	45	82818	307.5775	PPB	#	100
74)	Ethyl methacrylate	8.62	69	313092	47.1927	PPB		99
75)	Dibromochloromethane	8.74	129	256299	56.5834	PPB		100
76)	1,3-Dichloropropane	8.82	76	491922	50.1538	PPB		100
77)	1,2-Dibromoethane (EDB)	8.93	107	214552	52.8601	PPB		99
78)	2-Hexanone	9.15	43	81720	46.2913	PPB		93
79)	Chlorobenzene (SPCC)	9.36	112	1161609	47.8839	PPB		99
80)	1-Chlorohexane	9.35	55	431629	43.7107	PPB		99
81)	Ethylbenzene (CCC)	9.39	106	701022	49.7392	PPB		98
82)	1,1,1,2-Tetrachloroethane	9.41	131	349136	51.4846	PPB	#	74
83)	m&p-Xylene	9.50	106	1680895	98.7755	PPB		100
84)	o-Xylene	9.81	106	798647	52.2316	PPB		100
85)	Bromoform (SPCC)	9.86	173	107113	57.1634	PPB		100
86)	Styrene	9.85	104	1234814	57.6846	PPB		100
87)	Isopropylbenzene	10.03	105	2008441	50.9273	PPB		99
88)	Bromobenzene	10.29	156	366016	51.3407	PPB		97
89)	n-Propylbenzene	10.31	120	542043	51.5563	PPB		95
90)	1,1,2,2-Tetrachloroethane	10.36	83	205025	51.1875	PPB		99
93)	2-Chlorotoluene	10.41	126	421558	49.2627	PPB		94
94)	Cyclohexanone	10.48	42	8704m	281.6983	PPB		
95)	1,2,3-Trichloropropane	10.45	110	65997	49.7793	PPB	#	75
96)	trans-1,4-Dichloro-2-buten	10.48	89	17209	50.3558	PPB	#	1
97)	3-Ethyltoluene	10.37	105	1766291	51.0966	PPB	#	73
98)	4-Chlorotoluene	10.52	126	426997	49.9710	PPB		88
99)	1,3,5-Trimethylbenzene	10.44	105	1529541	50.6110	PPB		55
100)	2-Ethyltoluene	10.58	105	1733247	50.2858	PPB	#	4
101)	tert-Butylbenzene	10.64	91	851627	49.4146	PPB		86
102)	Pentachloroethane	10.66	167	141455	54.5941	PPB	#	1

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.69	105	1473421	51.3412 PPB		80
104) sec-Butylbenzene	10.76	105	1931802	49.2869 PPB		99
105) p-Isopropyltoluene	10.84	119	1604492	52.0470 PPB		85
106) 1,3-Dichlorobenzene	10.90	146	687662	49.0453 PPB	#	50
107) 1,4-Dichlorobenzene	10.95	146	676288	48.2553 PPB	#	46
108) Benzyl chloride	11.10	126	68173	47.3500 PPB	#	1
109) n-Butylbenzene	11.10	134	383923	53.7323 PPB	#	62
110) 1,2-Dichlorobenzene	11.21	146	539616	49.8578 PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	1056887	131.2140 PPB		99
112) 1,2-Dibromo-3-chloropropan	11.69	157	20567	46.4056 PPB	#	42
113) Hexachlorobutadiene	12.07	225	169258	50.3253 PPB		99
114) 1,2,4-Trichlorobenzene	12.10	180	276523	57.0887 PPB		99
115) Naphthalene	12.31	128	384378	49.9388 PPB		100
116) 1,2,3-Trichlorobenzene	12.44	180	192013	60.2297 PPB		100

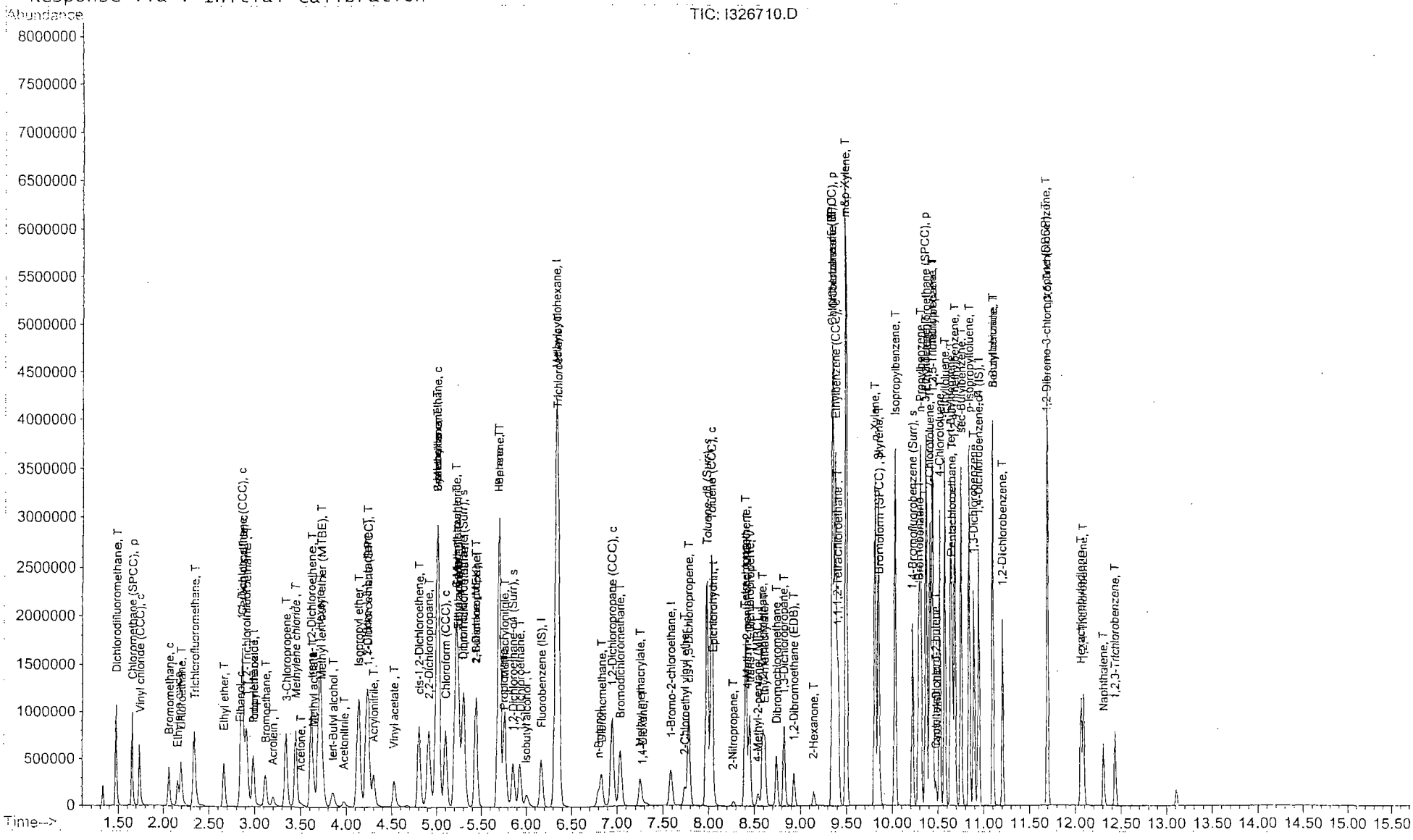
(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Data File : H:\MSI.I\I032607B\I326710.D
Acq On : 26 Mar 2007 7:25 pm
Sample : STD 50 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,50uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 13:02 19107

Vial: 10
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

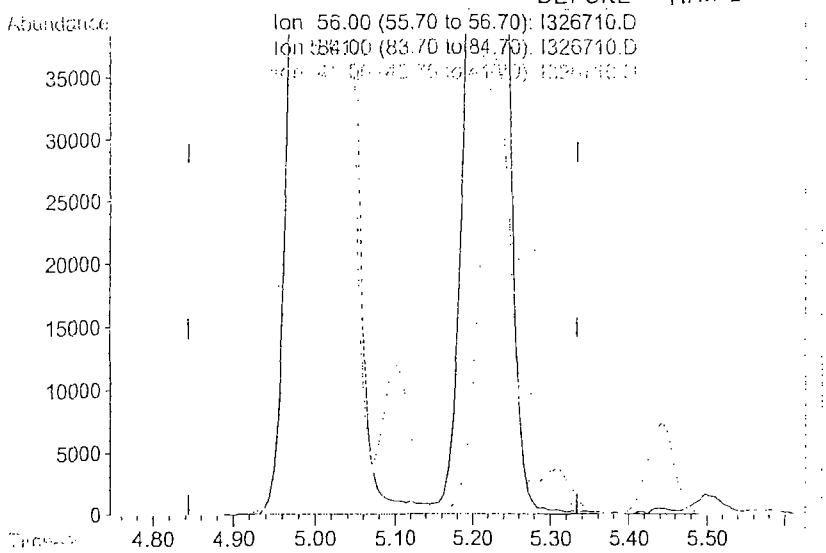
Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



Cyclohexane I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:22:01 2007

BMM

BEFORE MAR 27 2007



TIC: I326710.D

(34) Cyclohexane (T)

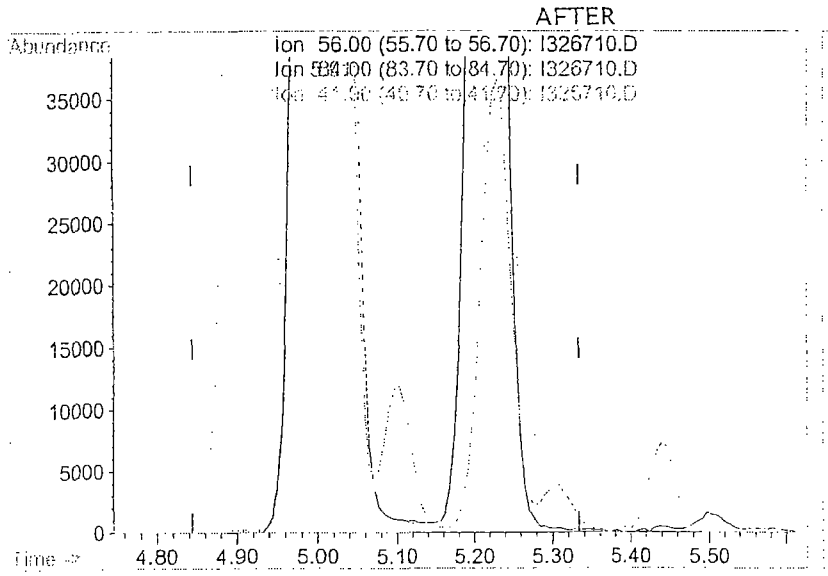
5.01min 54.24PPB

response 1525054

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	71.0
41.00	82.10	80.9
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326710.D

(34) Cyclohexane (T)

5.01min 42.17PPB m

response 1185675

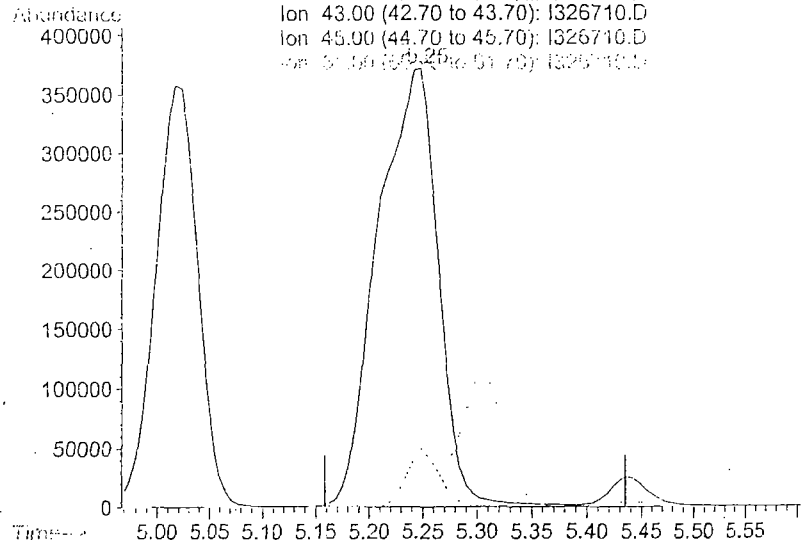
Ion	Exp%	Act%
56.00	100	100
84.00	72.50	91.3
41.00	82.10	104.0
0.00	0.00	0.00

Ethyl acetate I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:12:38 2007

BJP

MAR 27 2007

BEFORE



TIC: I326710.D

(40) Ethyl acetate (T)

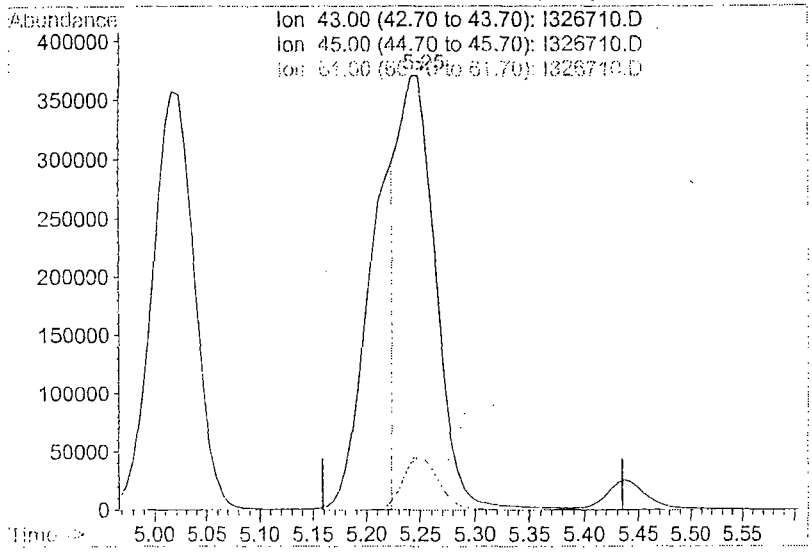
5.25min 279.78PPB

response 1428593

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.38
61.00	29.70	29.0
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326710.D

(40) Ethyl acetate (T)

5.25min 174.87PPB m

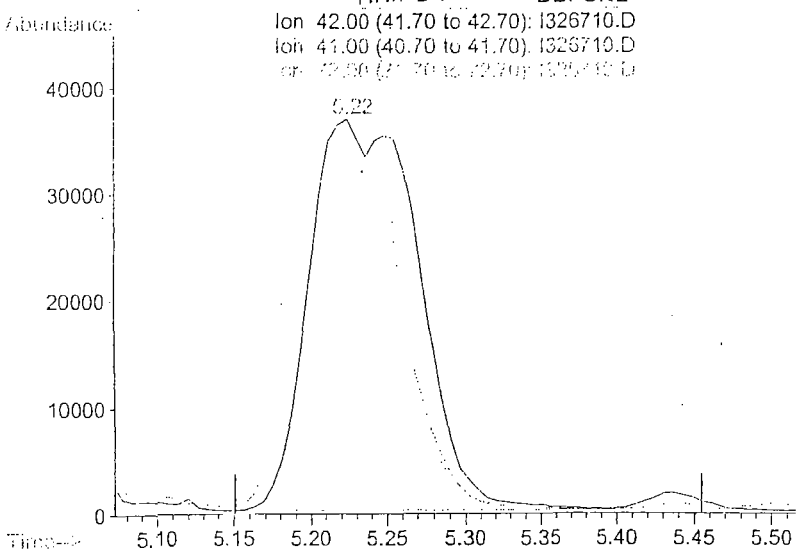
response 892920

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	11.8(
61.00	29.70	46.4
0.00	0.00	0.00

Tetrahydrofuran I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:03:51 2007

MAR 2 7 2007

BEFORE



TIC: I326710.D

(41) Tetrahydrofuran (T

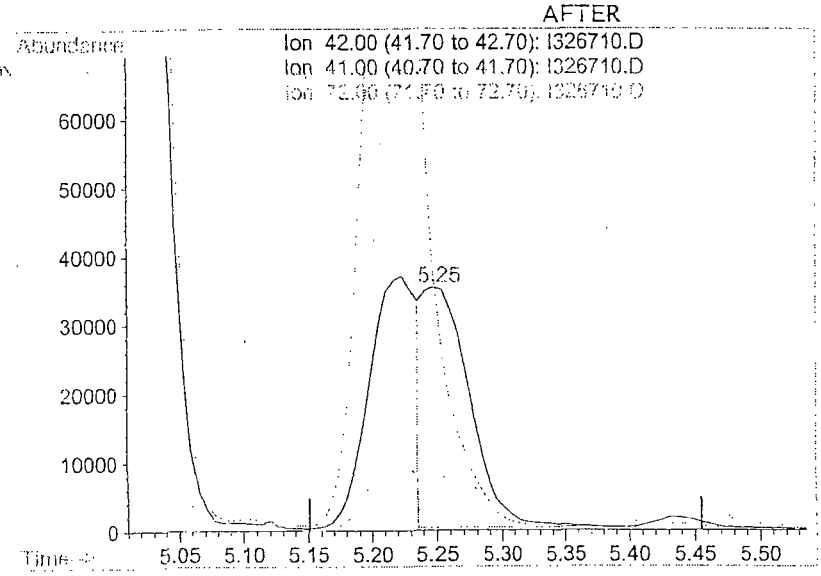
5.22min 49.47PPB

response 180746

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	222.
72.00	30.60	29.5
0.00	0.00	0.00

3-27-07

AFTER



TIC: I326710.D

(41) Tetrahydrofuran (T

5.25min 23.32PPB m

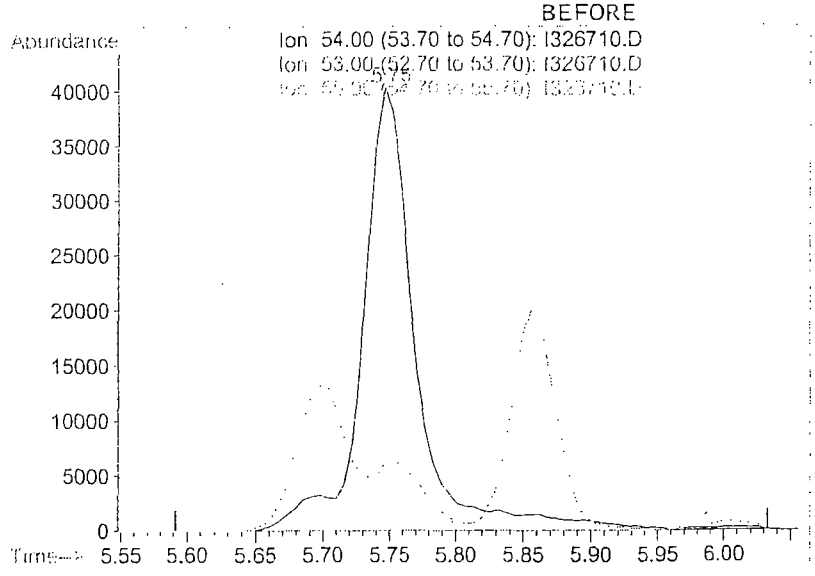
response 85186

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	471.
72.00	30.60	62.7
0.00	0.00	0.00

Propionitrile I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:22:40 2007

BM
MAR 27 2007

BEFORE



TIC: I326710.D

(48) Propionitrile (T)

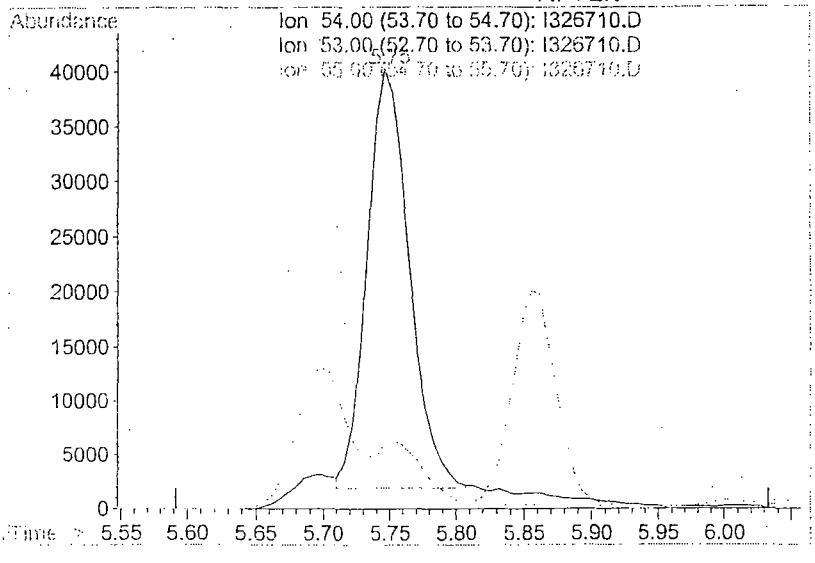
5.75min 400.39PPB

response 112374

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	116.
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326710.D

(48) Propionitrile (T)

5.75min 302.87PPB m

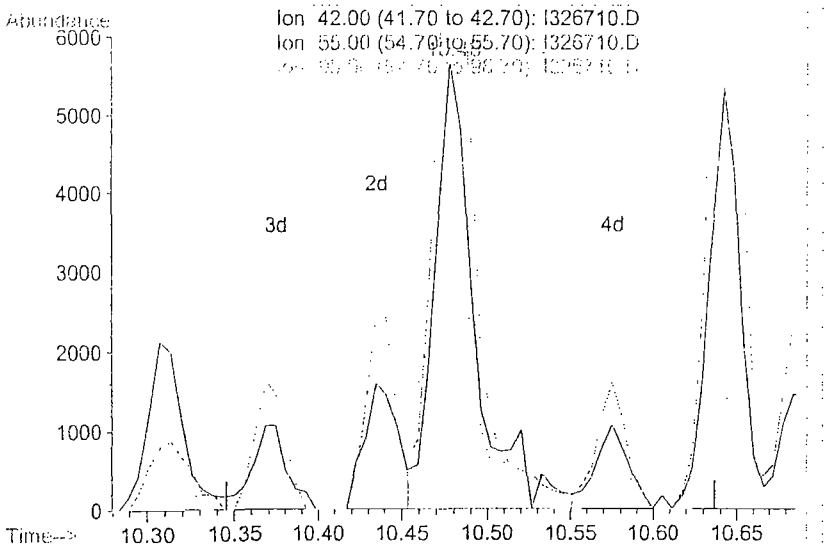
response 85005

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	0.0(
55.00	108.20	153.
0.00	0.00	0.00

Cyclohexanone I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:11:33 2007

BJP
MAR 27 2007

BEFORE



TIC: I326710.D

(94) Cyclohexanone (T)

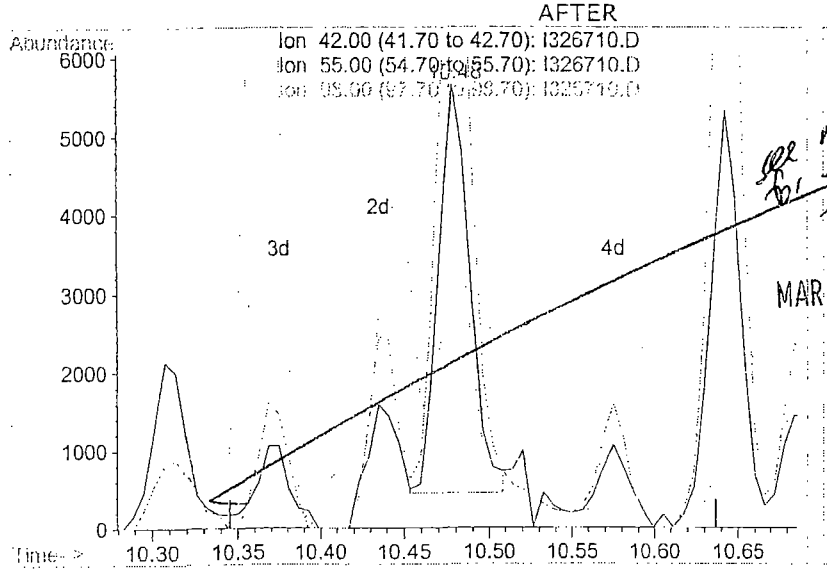
10.48min 295.03PPB

response 9116

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	201.
98.00	112.90	0.0
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 213.67PPB m

response 6602

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	278.
98.00	112.90	0.0
0.00	0.00	0.00

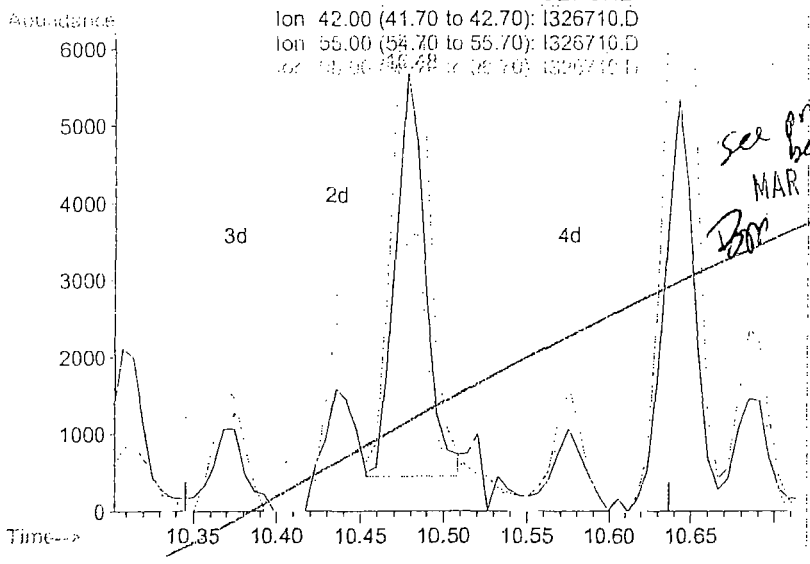
See next for final. BJP

MAR 27 2007

Cyclohexanone I326710.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 13:17:34 2007

BJP
MAR 27 2007

BEFORE



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 213.67PPB m

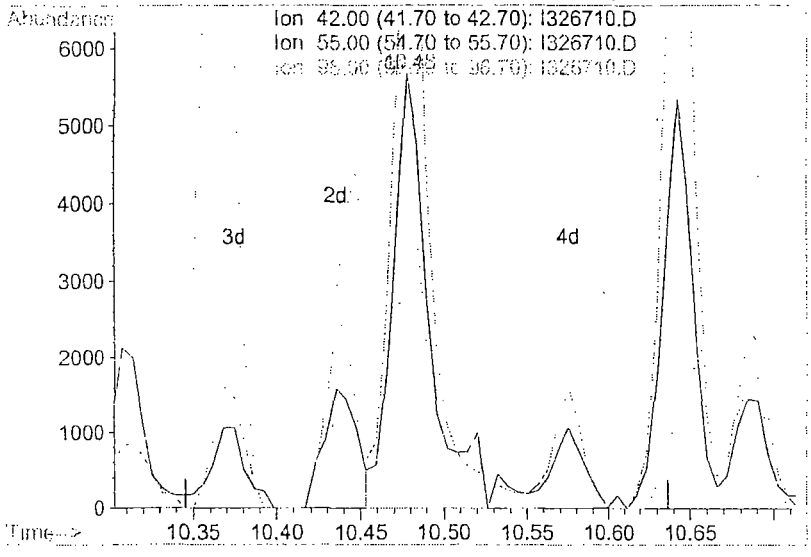
response 6602

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	278.
98.00	112.90	0.0
0.00	0.00	0.00

see previous for beginning
MAR 27 2007
BJP

DW 3-27-07

AFTER



TIC: I326710.D

(94) Cyclohexanone (T)

10.48min 281.70PPB m

response 8704

Ion	Exp%	Act%
42.00	100	100
55.00	179.90	211.
98.00	112.90	0.0
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

BJP

MAR 27 2007

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.17	96	573189	16.7000 PPB	-0.03
65) Chlorobenzene-d5 (IS)	9.35	119	106220	16.7000 PPB	-0.02
92) 1,4-Dichlorobenzene-d4 (IS	10.94	152	120162	16.7000 PPB	-0.02
System Monitoring Compounds					
42) Dibromofluoromethane (Surr	5.30	113	744498	94.9589 PPB	-0.03
Spiked Amount 16.700			Recovery	= 568.62%	
50) 1,2-Dichloroethane-d4 (Sur	5.86	67	400453	92.3580 PPB	-0.03
Spiked Amount 16.700			Recovery	= 553.05%	
64) Toluene-d8 (Surr)	7.98	98	3327645	99.0781 PPB	0.00
Spiked Amount 16.700			Recovery	= 593.29%	
91) 1,4-Bromofluorobenzene (Su	10.22	95	1023400	100.3238 PPB	-0.02
Spiked Amount 16.700			Recovery	= 600.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	1394551	94.0763 PPB		100
3) Chloromethane (SPCC)	1.65	50	1394575	99.3289 PPB		100
4) Vinyl chloride (CCC)	1.74	62	931572	96.7646 PPB		100
5) Bromomethane	2.06	94	473118	104.5092 PPB		100
6) Ethylene oxide	2.16	44	568838	1123.3536 PPB		100
7) Chloroethane	2.19	64	612714	75.0926 PPB		100
8) Trichlorofluoromethane	2.34	101	1416030	89.3782 PPB		100
9) Ethyl ether	2.66	59	552432	103.0188 PPB		100
10) Ethanol	2.83	45	49829	2845.7823 PPB		100
11) 1,1-Dichloroethene (CCC)	2.86	96	832328	95.4835 PPB		100
12) Carbon disulfide	2.87	76	2664576	101.2917 PPB		100
13) 1,1,2-Trichlorotrifluoroet	2.91	101	909060	93.7145 PPB		100
14) Propylene oxide	2.98	58	424307	535.2077 PPB	#	100
15) Iodomethane	2.98	142	719109	87.2757 PPB		100
16) Bromoethane	3.12	108	584045	94.6937 PPB		100
17) Acrolein	3.20	56	210307	601.7262 PPB		100
18) 3-Chloropropene	3.34	41	1093650	92.9672 PPB		100
19) Methylene chloride	3.45	84	831400	95.1388 PPB		100
20) Acetone	3.51	43	81285	113.6780 PPB		100
21) trans-1,2-Dichloroethene	3.62	96	918844	91.8323 PPB		100
22) Methyl acetate	3.64	74	184885	258.3677 PPB	#	100
23) Hexane	3.70	86	394742	99.5980 PPB		100
24) Methyl tert-butyl ether (M	3.73	73	1651518	110.7631 PPB		100
25) tert-Butyl alcohol	3.85	59	579828	3224.2992 PPB	#	100
26) Acetonitrile	3.98	40	86391	507.7990 PPB	#	100
27) Isopropyl ether	4.13	45	2697384	105.5543 PPB		100
28) 2-Chloro-1,3-butadiene	4.22	88	820743	109.3697 PPB		100
29) 1,1-Dichloroethane (SPCC)	4.24	63	1744591	93.2990 PPB		100
30) Acrylonitrile	4.30	53	681184	532.1547 PPB	#	100
31) Vinyl acetate	4.52	43	957308	119.0461 PPB	#	100
32) cis-1,2-Dichloroethene	4.81	96	922301	92.9952 PPB		100
33) 2,2-Dichloropropane	4.91	77	1488400	108.3672 PPB	#	100
34) Cyclohexane	5.01	56	2279933m	78.5429 PPB		
35) Bromochloromethane	5.01	130	390635	96.4485 PPB		100
36) 2-Methylhexane	5.02	43	1874449	90.6377 PPB	#	100
37) Chloroform (CCC)	5.10	83	1495782	94.1590 PPB	#	100
38) Carbon tetrachloride	5.23	117	1111805	101.1296 PPB		100
39) 3-Methylhexane	5.22	57	838995	94.2608 PPB		100
40) Ethyl acetate	5.25	43	2224369m	421.9491 PPB		
41) Tetrahydrofuran	5.25	42	150530m	39.9099 PPB		

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 1,1,1-Trichloroethane	5.31	97	1365936	99.3441	PPB		100
44) 1,1-Dichloropropene	5.44	75	1447333	99.6088	PPB		100
45) 2-Butanone (MEK)	5.44	43	133002	106.0643	PPB		100
46) Benzene	5.71	78	4012258	91.7498	PPB		100
47) Heptane	5.69	57	829117	96.8572	PPB		100
48) Propionitrile	5.75	54	185391m	639.8079	PPB		
49) Methacrylonitrile	5.77	67	894562	553.1991	PPB	#	100
51) 1,2-Dichloroethane	5.93	62	857306	93.8527	PPB		100
52) Isobutyl alcohol	6.00	43	250655	2551.7200	PPB		100
53) Methylcyclohexane	6.34	83	4275751	226.5152	PPB		100
54) Trichloroethene	6.36	130	967865	95.4644	PPB		100
55) Dibromomethane	6.83	93	299994	94.4605	PPB		100
56) n-Butanol	6.79	56	323308	4999.8449	ug/L	#	100
57) 1,2-Dichloropropane (CCC)	6.95	63	922989	100.2192	PPB		100
58) Bromodichloromethane	7.04	83	1055275	108.3948	PPB		100
59) 1,4-Dioxane	7.29	88	56375	2992.7918	PPB		100
60) Methyl methacrylate	7.25	69	333734	101.2774	PPB		100
61) 1-Bromo-2-chloroethane	7.59	63	904210	104.7227	PPB		100
62) cis-1,3-Dichloropropene	7.78	75	1401364	118.1069	PPB		100
63) 2-Chloroethyl vinyl ether	7.74	63	221027	123.2885	PPB		100
66) Toluene (CCC)	8.04	91	4074713	97.4740	PPB		100
67) Epichlorohydrin	8.06	57	153587	582.2855	PPB		100
68) 2-Nitropropane	8.28	43	86164	155.9648	PPB	#	100
69) Tetrachloroethene	8.41	164	856199	102.4582	PPB		100
70) 4-Methyl-2-pentanone (MIBK	8.43	43	305803	128.3583	PPB	#	100
71) trans-1,3-Dichloropropene	8.45	75	1055090	124.3439	PPB		100
72) 1,1,2-Trichloroethane	8.60	97	500609	104.4770	PPB		100
73) 4-Methyl-2-pentanol (MIBC)	8.54	45	237417	890.4750	PPB	#	100
74) Ethyl methacrylate	8.62	69	690646	101.7666	PPB		100
75) Dibromochloromethane	8.74	129	545523	121.6284	PPB		100
76) 1,3-Dichloropropane	8.83	76	994392	102.3871	PPB		100
77) 1,2-Dibromoethane (EDB)	8.93	107	451153	112.2533	PPB		100
78) 2-Hexanone	9.14	43	190745	101.9100	PPB		100
79) Chlorobenzene (SPCC)	9.36	112	2196955	91.4599	PPB		100
80) 1-Chlorohexane	9.36	55	801705	81.9921	PPB		100
81) Ethylbenzene (CCC)	9.39	106	1357040	97.2389	PPB		100
82) 1,1,1,2-Tetrachloroethane	9.41	131	717116	106.7953	PPB		100
83) m&p-Xylene	9.50	106	2974675	176.5339	PPB		100
84) o-Xylene	9.81	106	1551355	102.4636	PPB		100
85) Bromoform (SPCC)	9.87	173	232048	125.0645	PPB		100
86) Styrene	9.85	104	2431420	114.7093	PPB		100
87) Isopropylbenzene	10.03	105	3785285	96.9327	PPB		100
88) Bromobenzene	10.29	156	738006	104.5447	PPB		100
89) n-Propylbenzene	10.31	120	1040808	99.9768	PPB		100
90) 1,1,2,2-Tetrachloroethane	10.36	83	405655	102.2808	PPB		100
93) 2-Chlorotoluene	10.41	126	830896	96.7767	PPB		99
94) Cyclohexanone	10.48	42	19765	637.5657	PPB	#	46
95) 1,2,3-Trichloropropane	10.45	110	133145	100.0949	PPB	#	69
96) trans-1,4-Dichloro-2-buten	10.48	89	42193	99.9460	PPB	#	1
97) 3-Ethyltoluene	10.37	105	3282249	94.6377	PPB	#	73
98) 4-Chlorotoluene	10.52	126	843160	98.3481	PPB		92
99) 1,3,5-Trimethylbenzene	10.44	105	2843155	93.7664	PPB		55
100) 2-Ethyltoluene	10.57	105	3271858	94.6110	PPB	#	2
101) tert-Butylbenzene	10.64	91	1602395	92.6699	PPB		85
102) Pentachloroethane	10.66	167	288745	111.0721	PPB	#	1

(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Quantitation Report (QT Reviewed)

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Quant Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 11:56:43 2007
Response via : Initial Calibration
DataAcq Meth : I70326W

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
103) 1,2,4-Trimethylbenzene	10.69	105	2784401	96.7016	PPB		79
104) sec-Butylbenzene	10.76	105	3597963	91.4931	PPB		98
105) p-Isopropyltoluene	10.84	119	2967920	95.9562	PPB		96
106) 1,3-Dichlorobenzene	10.90	146	1351615	96.0812	PPB	#	79
107) 1,4-Dichlorobenzene	10.95	146	1327348	94.3975	PPB	#	70
108) Benzyl chloride	11.10	126	154381	101.7671	PPB	#	1
109) n-Butylbenzene	11.10	134	729745	101.7947	PPB	#	67
110) 1,2-Dichlorobenzene	11.21	146	1087261	100.1256	PPB		100
111) 1,3,5-Trichlorobenzene	11.70	180	1894935	234.4816	PPB		100
112) 1,2-Dibromo-3-chloropropan	11.69	157	48059	101.8953	PPB		100
113) Hexachlorobutadiene	12.06	225	319705	94.7435	PPB		100
114) 1,2,4-Trichlorobenzene	12.09	180	530210	109.1012	PPB		100
115) Naphthalene	12.31	128	804264	100.5213	PPB		100
116) 1,2,3-Trichlorobenzene	12.43	180	365889	114.3910	PPB		100

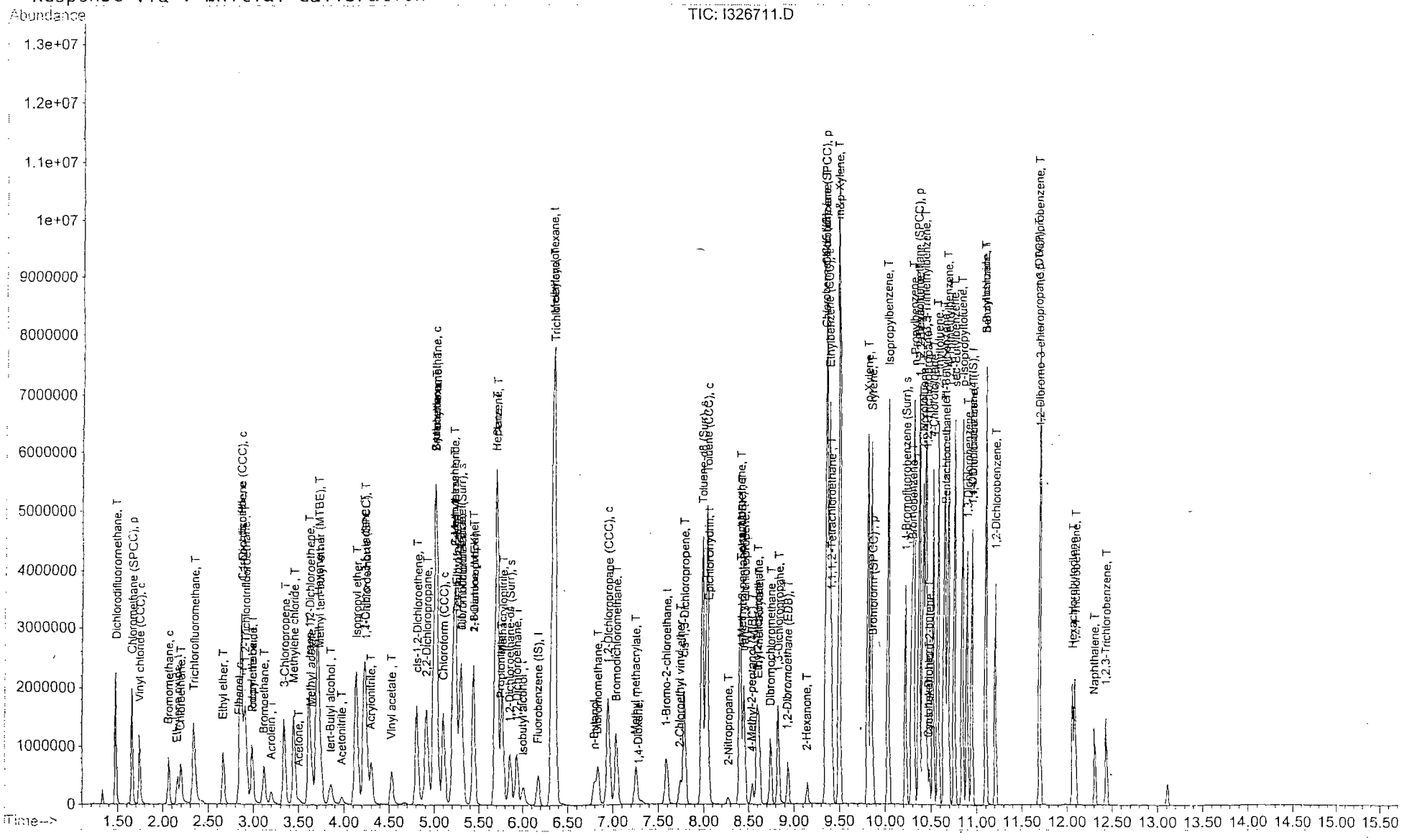
(#)=qualifier out of range (m)=manual integration (S)=analyte in sublist

Data File : H:\MSI.I\I032607.B\I326711.D
Acq On : 26 Mar 2007 7:52 pm
Sample : STD 100 PPB;ALL ANALYTES
Misc : 1,1, 07MSV0245,100uL/50mL
MS Integration Params: TAILA.P
Quant Time: Mar 27 12:51 19107

Vial: 11
Operator: BJP
Inst : MSI
Multiplr: 1.00

Quant Results File: I70326W.RES

Method : H:\MSI.I\METHODS\I70326W.M (RTE Integrator)
Title : EPA Method 8260B/624 Calibration Curve 15mL Water
Last Update : Tue Mar 27 13:23:23 2007
Response via : Initial Calibration



Cyclohexane I326711.D

REASON FOR MANUAL INTEGRATION:

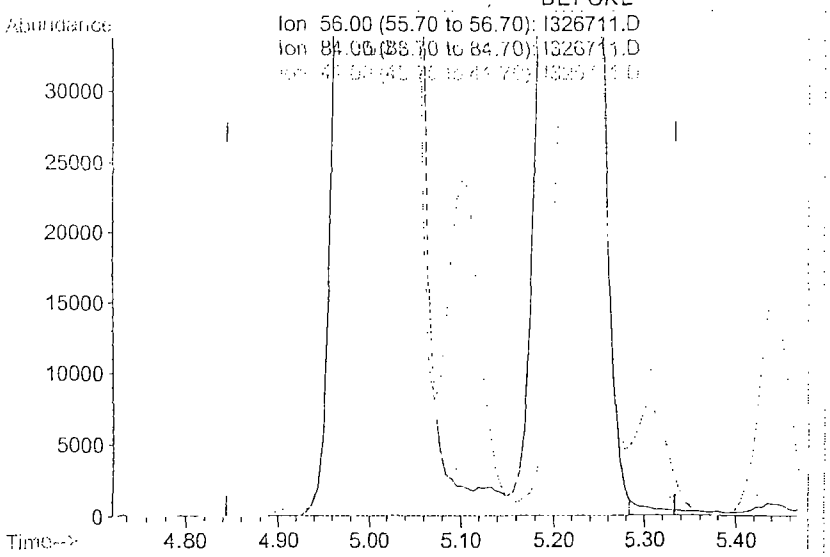
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER

ANALYST: BJP Tue Mar 27 12:23:55 ~~2007~~

BJP

MAR 2 7 2007

BEFORE



TIC: I326711.D

(34) Cyclohexane (T)

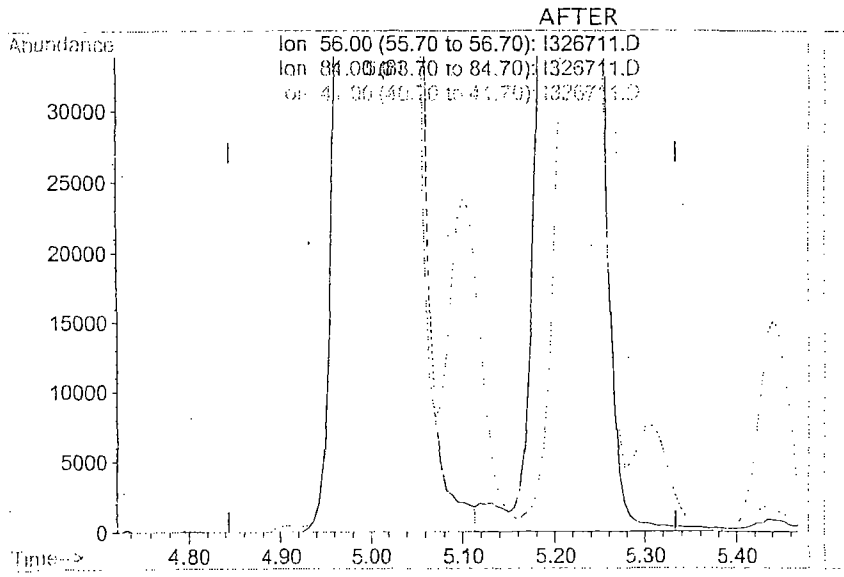
5.01min 101.28PPB

response 2939799

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	72.5
41.00	82.10	82.1
0.00	0.00	0.00

DW
3-27-07

AFTER



TIC: I326711.D

(34) Cyclohexane (T)

5.01min 78.54PPB m

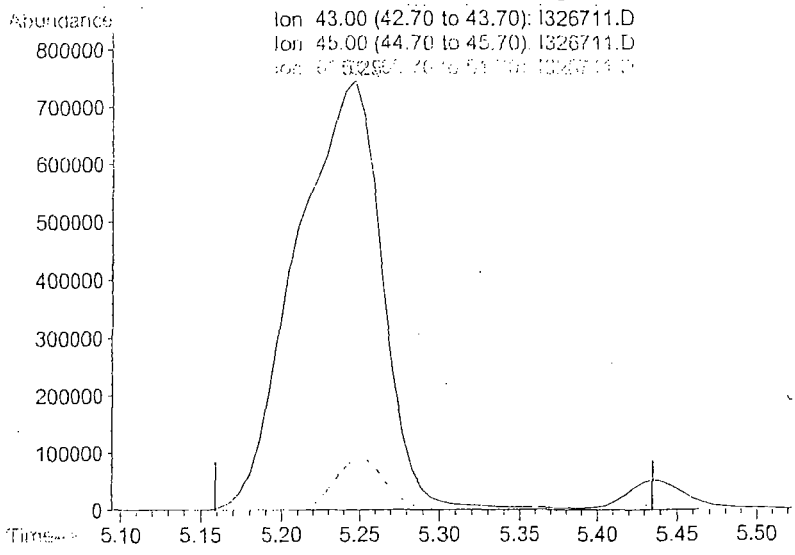
response 2279933

Ion	Exp%	Act%
56.00	100	100
84.00	72.50	93.5
41.00	82.10	105.8
0.00	0.00	0.00

Ethyl acetate I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:24:48 2007

BJP
MAR 27 2007

BEFORE



TIC: I326711.D

(40) Ethyl acetate (T)

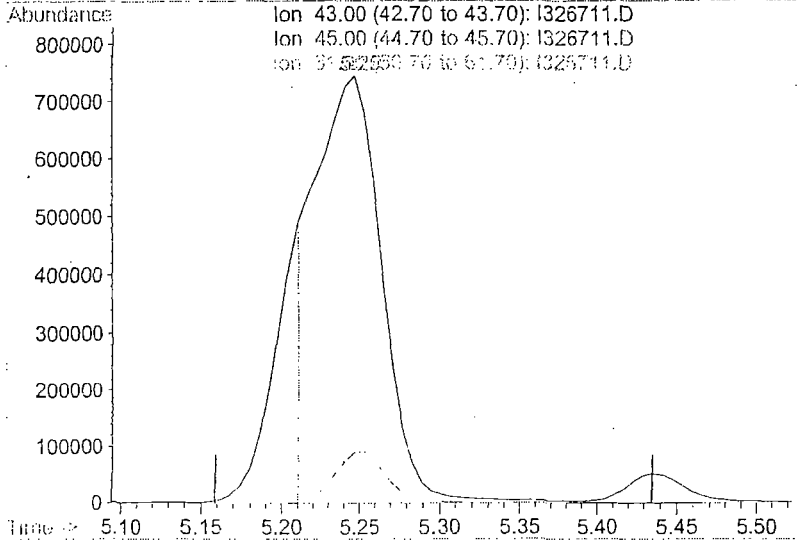
5.25min 533.72PPB

response 2813565

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	7.48
61.00	29.70	29.7
0.00	0.00	0.00

RW
3-27-07

AFTER



TIC: I326711.D

(40) Ethyl acetate (T)

5.25min 421.95PPB m

response 2224369

Ion	Exp%	Act%
43.00	100	100
45.00	7.50	9.46
61.00	29.70	37.5
0.00	0.00	0.00

Tetrahydrofuran I326711.D

REASON FOR MANUAL INTEGRATION:

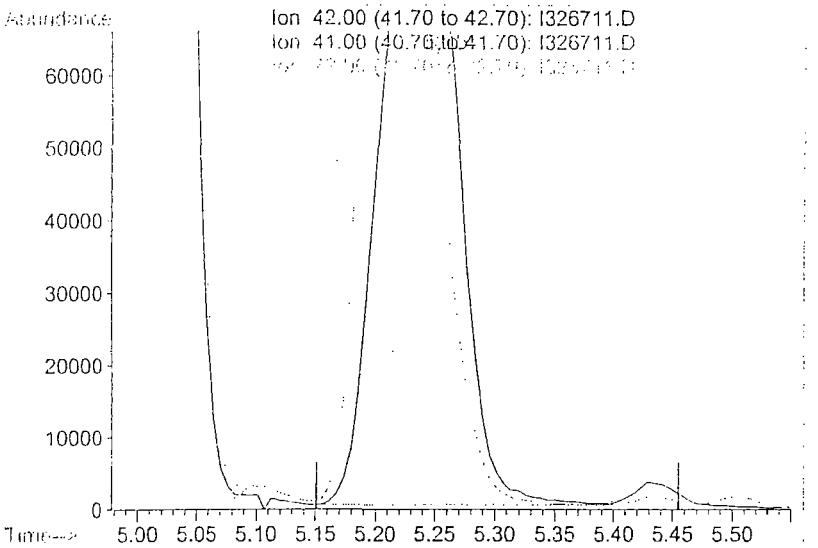
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER

ANALYST: BJP Tue Mar 27 13:05:05 2007

Good

MAR 27 2007

BEFORE



TIC: I326711.D

(41) Tetrahydrofuran (T

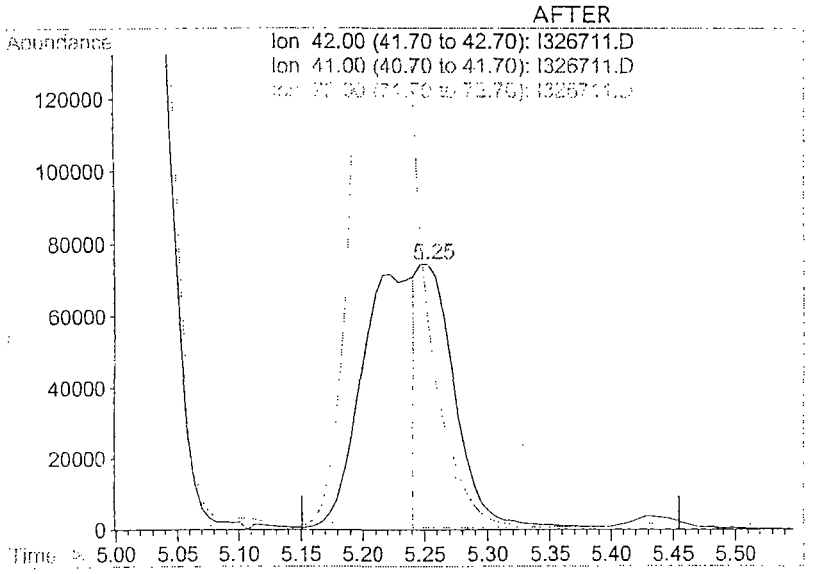
5.25min 95.28PPB

response 359375

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	218.
72.00	30.60	30.5
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326711.D

(41) Tetrahydrofuran (T

5.25min 39.91PPB m

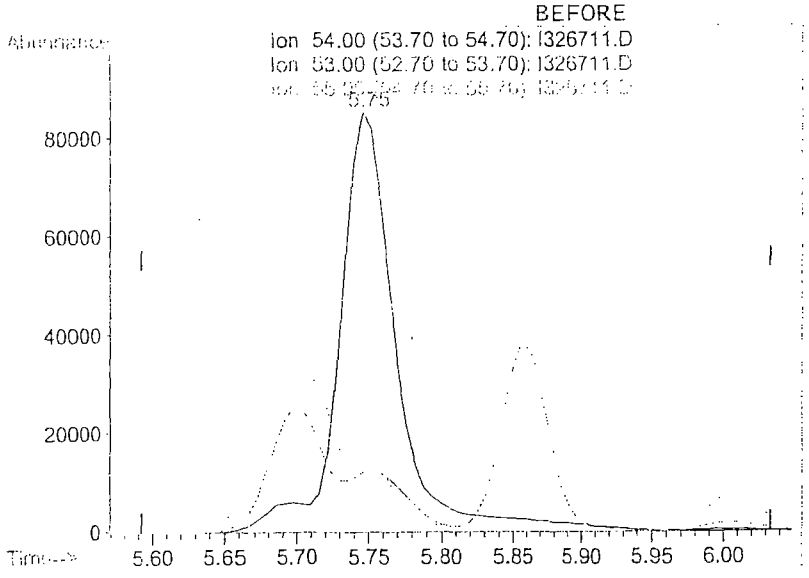
response 150530

Ion	Exp%	Act%
42.00	100	100
41.00	218.80	522.
72.00	30.60	72.9
0.00	0.00	0.00

Propionitrile I326711.D
REASON FOR MANUAL INTEGRATION:
TAILING WRONG PEAK TWO PEAKS POOR INTEGRATION MISSED OTHER
ANALYST: BJP Tue Mar 27 12:25:48 2007 BJP

MAR 27 2007

BEFORE



TIC: I326711.D

(48) Propionitrile (T)

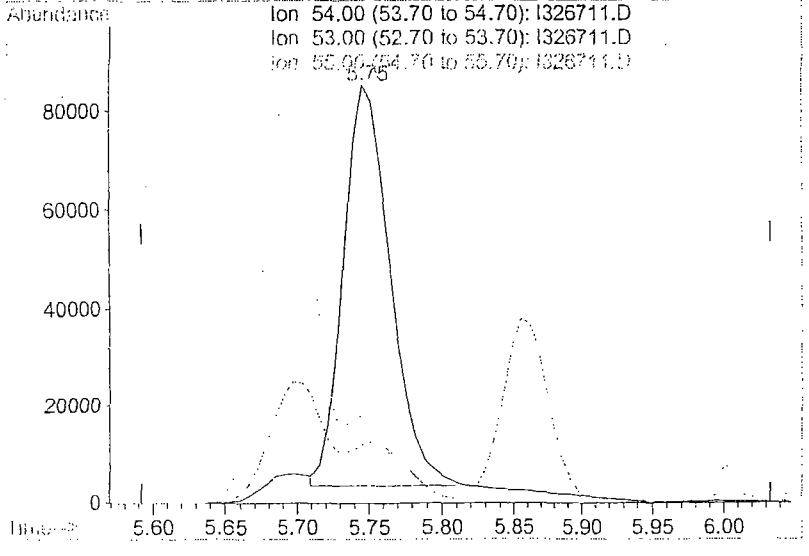
5.75min 817.35PPB

response 236835

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	82.4
55.00	108.20	108.
0.00	0.00	0.00

DW 3-27-07

AFTER



TIC: I326711.D

(48) Propionitrile (T)

5.75min 639.81PPB m

response 185391

Ion	Exp%	Act%
54.00	100	100
53.00	82.50	105.3
55.00	108.20	138.
0.00	0.00	0.00

GC/MS SEMIVOLATILES

CLP-Like Forms I - IV

Forms V, VI, VII and VIII can be found in the QC & Sample Data by Batch

Form VI can also be found in the Calibration Section

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTG1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	9.5	U
208-96-8	Acenaphthylene	9.5	U
98-86-2	Acetophenone	9.5	U
62-53-3	Aniline	9.5	U
120-12-7	Anthracene	9.5	U
92-87-5	Benzidine	48	U
56-55-3	Benzo(a)anthracene	9.5	U
205-99-2	Benzo(b)fluoranthene	9.5	U
207-08-9	Benzo(k)fluoranthene	9.5	U
65-85-0	Benzoic acid	48	U
191-24-2	Benzo(ghi)perylene	9.5	U
50-32-8	Benzo(a)pyrene	9.5	U
100-51-6	Benzyl alcohol	9.5	U
92-52-4	Biphenyl	9.5	U
111-91-1	bis(2-Chloroethoxy)methane	9.5	U
111-44-4	bis(2-Chloroethyl) ether	9.5	U
108-60-1	bis(2-Chloroisopropyl) ether	9.5	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**0.55**	**J**
101-55-3	4-Bromophenyl phenyl ether	9.5	U
85-68-7	Butyl benzyl phthalate	9.5	U
106-47-8	4-Chloroaniline	9.5	U
59-50-7	4-Chloro-3-methylphenol	9.5	U
91-58-7	2-Chloronaphthalene	9.5	U
95-57-8	2-Chlorophenol	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	9.5	U
218-01-9	Chrysene	9.5	U
53-70-3	Dibenz(a,h)anthracene	9.5	U
132-64-9	Dibenzofuran	9.5	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTG1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	9.5	U
91-94-1	3,3'-Dichlorobenzidine	48	U
120-83-2	2,4-Dichlorophenol	9.5	U
84-66-2	Diethyl phthalate	9.5	U
105-67-9	2,4-Dimethylphenol	9.5	U
131-11-3	Dimethyl phthalate	9.5	U
117-84-0	Di-n-octyl phthalate	9.5	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	9.5	U
606-20-2	2,6-Dinitrotoluene	9.5	U
206-44-0	Fluoranthene	9.5	U
86-73-7	Fluorene	9.5	U
118-74-1	Hexachlorobenzene	9.5	U
77-47-4	Hexachlorocyclopentadiene	48	U
67-72-1	Hexachloroethane	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.5	U
78-59-1	Isophorone	9.5	U
91-57-6	2-Methylnaphthalene	9.5	U
95-48-7	2-Methylphenol	9.5	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	9.5	U
88-75-5	2-Nitrophenol	9.5	U
100-02-7	4-Nitrophenol	48	U
62-75-9	N-Nitrosodimethylamine	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	9.5	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTG1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: MW28A

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	9.5	U
85-01-8	Phenanthrene	9.5	U
108-95-2	Phenol	9.5	U
129-00-0	Pyrene	9.5	U
110-86-1	Pyridine	9.5	U
95-95-4	2,4,5-Trichlorophenol	9.5	U
88-06-2	2,4,6-Trichlorophenol	9.5	U
86-74-8	Carbazole	9.5	U
122-66-7	1,2-Diphenylhydrazine (as Az	9.5	U
105-60-2	Caprolactam	9.5	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	88	(52 - 114)
2-Fluorobiphenyl	85	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	81	(44 - 114)
Phenol-d5	88	(45 - 116)
2,4,6-Tribromophenol	105	(51 - 130)

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTN1AF Date Extracted: 06/06/07
Dilution factor: 9.52 Date Analyzed: 06/13/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	95	U
208-96-8	Acenaphthylene	95	U
98-86-2	**Acetophenone**	**190**	
62-53-3	Aniline	95	U
120-12-7	Anthracene	95	U
92-87-5	Benzidine	480	U
56-55-3	Benzo(a)anthracene	95	U
205-99-2	Benzo(b)fluoranthene	95	U
207-08-9	Benzo(k)fluoranthene	95	U
65-85-0	Benzoic acid	480	U
191-24-2	Benzo(ghi)perylene	95	U
50-32-8	Benzo(a)pyrene	95	U
100-51-6	**Benzyl alcohol**	**200**	
92-52-4	Biphenyl	95	U
111-91-1	bis(2-Chloroethoxy)methane	95	U
111-44-4	bis(2-Chloroethyl) ether	95	U
108-60-1	bis(2-Chloroisopropyl) ether	95	U
117-81-7	bis(2-Ethylhexyl) phthalate	95	U
101-55-3	4-Bromophenyl phenyl ether	95	U
85-68-7	Butyl benzyl phthalate	95	U
106-47-8	4-Chloroaniline	95	U
59-50-7	4-Chloro-3-methylphenol	95	U
91-58-7	2-Chloronaphthalene	95	U
95-57-8	2-Chlorophenol	95	U
7005-72-3	4-Chlorophenyl phenyl ether	95	U
218-01-9	Chrysene	95	U
53-70-3	Dibenz(a,h)anthracene	95	U
132-64-9	Dibenzofuran	95	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060169 002
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTN1AF Date Extracted: 06/06/07
Dilution factor: 9.52 Date Analyzed: 06/13/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	95	U
91-94-1	3,3'-Dichlorobenzidine	480	U
120-83-2	2,4-Dichlorophenol	95	U
84-66-2	Diethyl phthalate	95	U
105-67-9	**2,4-Dimethylphenol**	**120**	
131-11-3	Dimethyl phthalate	95	U
117-84-0	Di-n-octyl phthalate	95	U
534-52-1	4,6-Dinitro-2-methylphenol	480	U
51-28-5	2,4-Dinitrophenol	480	U
121-14-2	2,4-Dinitrotoluene	95	U
606-20-2	2,6-Dinitrotoluene	95	U
206-44-0	Fluoranthene	95	U
86-73-7	Fluorene	95	U
118-74-1	Hexachlorobenzene	95	U
77-47-4	Hexachlorocyclopentadiene	480	U
67-72-1	Hexachloroethane	95	U
193-39-5	Indeno(1,2,3-cd)pyrene	95	U
78-59-1	Isophorone	95	U
91-57-6	2-Methylnaphthalene	95	U
95-48-7	**2-Methylphenol**	**190**	
88-74-4	2-Nitroaniline	480	U
99-09-2	3-Nitroaniline	480	U
100-01-6	4-Nitroaniline	480	U
98-95-3	Nitrobenzene	95	U
88-75-5	2-Nitrophenol	95	U
100-02-7	4-Nitrophenol	480	U
62-75-9	N-Nitrosodimethylamine	95	U
621-64-7	N-Nitrosodi-n-propylamine	95	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060169 002
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/06/07
Work Order: J0DTN1AF Date Extracted:06/06/07
Dilution factor: 9.52 Date Analyzed: 06/13/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: MW29

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	95	U
85-01-8	Phenanthrene	95	U
108-95-2	Phenol	470	
129-00-0	Pyrene	95	U
110-86-1	Pyridine	95	U
95-95-4	2,4,5-Trichlorophenol	95	U
88-06-2	2,4,6-Trichlorophenol	95	U
86-74-8	Carbazole	95	U
122-66-7	1,2-Diphenylhydrazine (as Az	95	U
105-60-2	Caprolactam	95	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	78	(52 - 114)
2-Fluorobiphenyl	78	(58 - 116)
Terphenyl-d14	86	(64 - 126)
2-Fluorophenol	67	(44 - 114)
Phenol-d5	78	(45 - 116)
2,4,6-Tribromophenol	89	(51 - 130)

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
98-86-2	Acetophenone	10	U
62-53-3	Aniline	10	U
120-12-7	Anthracene	10	U
92-87-5	Benzidine	50	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
65-85-0	Benzoic acid	50	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
100-51-6	Benzyl alcohol	10	U
92-52-4	Biphenyl	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl) ether	10	U
108-60-1	bis(2-Chloroisopropyl) ether	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted: 06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	50	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethyl phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
51-28-5	2,4-Dinitrophenol	50	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
77-47-4	Hexachlorocyclopentadiene	50	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
88-74-4	2-Nitroaniline	50	U
99-09-2	3-Nitroaniline	50	U
100-01-6	4-Nitroaniline	50	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	50	U
62-75-9	N-Nitrosodimethylamine	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U

EA Engineering, Science and Technology
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AA Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	10	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
110-86-1	Pyridine	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
86-74-8	Carbazole	10	U
122-66-7	1,2-Diphenylhydrazine (as Az	10	U
105-60-2	Caprolactam	10	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	83	(52 - 114)
2-Fluorobiphenyl	83	(58 - 116)
Terphenyl-d14	96	(64 - 126)
2-Fluorophenol	77	(44 - 114)
Phenol-d5	83	(45 - 116)
2,4,6-Tribromophenol	95	(51 - 130)

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted: 06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	79.6	
208-96-8	Acenaphthylene	77.3	
98-86-2	Acetophenone	78.1	
62-53-3	Aniline	65.9	
120-12-7	Anthracene	78.3	
92-87-5	Benzidine	50	U
56-55-3	Benzo(a)anthracene	75.1	
205-99-2	Benzo(b)fluoranthene	75.3	
207-08-9	Benzo(k)fluoranthene	70.8	
65-85-0	Benzoic acid	70.4	
191-24-2	Benzo(ghi)perylene	84.6	
50-32-8	Benzo(a)pyrene	74.3	
100-51-6	Benzyl alcohol	79.7	
92-52-4	Biphenyl	91.6	
111-91-1	bis(2-Chloroethoxy)methane	79.6	
111-44-4	bis(2-Chloroethyl) ether	74.5	
108-60-1	bis(2-Chloroisopropyl) ether	75.3	
117-81-7	bis(2-Ethylhexyl) phthalate	74.3	
101-55-3	4-Bromophenyl phenyl ether	81.9	
85-68-7	Butyl benzyl phthalate	73.9	
106-47-8	4-Chloroaniline	71.7	
59-50-7	4-Chloro-3-methylphenol	79.3	
91-58-7	2-Chloronaphthalene	88.6	
95-57-8	2-Chlorophenol	76.4	
7005-72-3	4-Chlorophenyl phenyl ether	80.6	
218-01-9	Chrysene	71.0	
53-70-3	Dibenz(a,h)anthracene	66.2	
132-64-9	Dibenzofuran	79.8	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
84-74-2	Di-n-butyl phthalate	80.5	
91-94-1	3,3'-Dichlorobenzidine	65.1	
120-83-2	2,4-Dichlorophenol	79.9	
84-66-2	Diethyl phthalate	82.3	
105-67-9	2,4-Dimethylphenol	50.4	
131-11-3	Dimethyl phthalate	80.1	
117-84-0	Di-n-octyl phthalate	70.6	
534-52-1	4,6-Dinitro-2-methylphenol	83.7	
51-28-5	2,4-Dinitrophenol	77.8	
121-14-2	2,4-Dinitrotoluene	81.1	
606-20-2	2,6-Dinitrotoluene	78.6	
206-44-0	Fluoranthene	80.9	
86-73-7	Fluorene	79.5	
118-74-1	Hexachlorobenzene	82.5	
77-47-4	Hexachlorocyclopentadiene	31.3	
67-72-1	Hexachloroethane	74.8	
193-39-5	Indeno(1,2,3-cd)pyrene	79.2	
78-59-1	Isophorone	77.4	
91-57-6	2-Methylnaphthalene	79.5	
95-48-7	2-Methylphenol	74.0	
88-74-4	2-Nitroaniline	78.0	
99-09-2	3-Nitroaniline	79.0	
100-01-6	4-Nitroaniline	80.6	
98-95-3	Nitrobenzene	76.6	
88-75-5	2-Nitrophenol	80.0	
100-02-7	4-Nitrophenol	86.3	
62-75-9	N-Nitrosodimethylamine	81.5	
621-64-7	N-Nitrosodi-n-propylamine	79.7	

EA Engineering, Science and Technology
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F060000 509
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1000 / mL Date Received: 06/05/07
Work Order: J0FF11AC Date Extracted:06/06/07
Dilution factor: 1 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
86-30-6	N-Nitrosodiphenylamine	64.7	
85-01-8	Phenanthrene	81.8	
108-95-2	Phenol	76.0	
129-00-0	Pyrene	76.9	
110-86-1	Pyridine	72.0	
95-95-4	2,4,5-Trichlorophenol	84.2	
88-06-2	2,4,6-Trichlorophenol	86.9	
86-74-8	Carbazole	82.9	
122-66-7	1,2-Diphenylhydrazine (as Az	84.5	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	84	(69 - 117)
2-Fluorobiphenyl	85	(63 - 117)
Terphenyl-d14	93	(65 - 106)
2-Fluorophenol	76	(59 - 113)
Phenol-d5	83	(62 - 121)
2,4,6-Tribromophenol	96	(67 - 120)

FORM I

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number: PARENT

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
95-50-1	1,2-Dichlorobenzene	9.5	U
541-73-1	1,3-Dichlorobenzene	9.5	U
106-46-7	1,4-Dichlorobenzene	9.5	U
87-68-3	Hexachlorobutadiene	9.5	U
65794-96-9	3-Methylphenol & 4-Methylphe	19	U
91-20-3	Naphthalene	9.5	U
87-86-5	Pentachlorophenol	48	U
120-82-1	1,2,4-Trichlorobenzene	9.5	U
101-84-8	Diphenyl ether		U
87-65-0	2,6-Dichlorophenol		U
1888-71-7	Hexachloropropene		U
608-93-5	Pentachlorobenzene		U
95-94-3	1,2,4,5-Tetrachlorobenzene		U
58-90-2	2,3,4,6-Tetrachlorophenol		U
76-01-7	Pentachloroethane		U
924-16-3	N-Nitrosodi-n-butylamine		U
55-18-5	N-Nitrosodiethylamine		U
10595-95-6	N-Nitrosomethylethylamine		U
100-75-4	N-Nitrosopiperidine		U
930-55-2	N-Nitrosopyrrolidine		U
88-85-7	Dinoseb		U
83-32-9	Acenaphthene	9.5	U
208-96-8	Acenaphthylene	9.5	U
98-86-2	Acetophenone	9.5	U
62-53-3	Aniline	9.5	U
120-12-7	Anthracene	9.5	U
56-55-3	Benzo(a)anthracene	9.5	U
205-99-2	Benzo(b)fluoranthene	9.5	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
207-08-9	Benzo(k)fluoranthene	9.5	U
65-85-0	Benzoic acid	48	U
191-24-2	Benzo(ghi)perylene	9.5	U
50-32-8	Benzo(a)pyrene	9.5	U
100-51-6	Benzyl alcohol	9.5	U
92-52-4	Biphenyl	9.5	U
111-91-1	bis(2-Chloroethoxy)methane	9.5	U
111-44-4	bis(2-Chloroethyl) ether	9.5	U
108-60-1	bis(2-Chloroisopropyl) ether	9.5	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**0.63**	**J**
101-55-3	4-Bromophenyl phenyl ether	9.5	U
85-68-7	Butyl benzyl phthalate	9.5	U
106-47-8	4-Chloroaniline	9.5	U
59-50-7	4-Chloro-3-methylphenol	9.5	U
91-58-7	2-Chloronaphthalene	9.5	U
95-57-8	2-Chlorophenol	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	9.5	U
218-01-9	Chrysene	9.5	U
53-70-3	Dibenz(a,h)anthracene	9.5	U
132-64-9	Dibenzofuran	9.5	U
84-74-2	Di-n-butyl phthalate	9.5	U
91-94-1	3,3'-Dichlorobenzidine	48	U
120-83-2	2,4-Dichlorophenol	9.5	U
84-66-2	Diethyl phthalate	9.5	U
105-67-9	2,4-Dimethylphenol	9.5	U
131-11-3	Dimethyl phthalate	9.5	U
117-84-0	Di-n-octyl phthalate	9.5	U
534-52-1	4,6-Dinitro-2-methylphenol	48	U

EA Engineering, Science and Technology

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	48	U
121-14-2	2,4-Dinitrotoluene	9.5	U
606-20-2	2,6-Dinitrotoluene	9.5	U
206-44-0	Fluoranthene	9.5	U
86-73-7	Fluorene	9.5	U
118-74-1	Hexachlorobenzene	9.5	U
77-47-4	Hexachlorocyclopentadiene	48	U
67-72-1	Hexachloroethane	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.5	U
78-59-1	Isophorone	9.5	U
91-57-6	2-Methylnaphthalene	9.5	U
95-48-7	2-Methylphenol	9.5	U
88-74-4	2-Nitroaniline	48	U
99-09-2	3-Nitroaniline	48	U
100-01-6	4-Nitroaniline	48	U
98-95-3	Nitrobenzene	9.5	U
88-75-5	2-Nitrophenol	9.5	U
100-02-7	4-Nitrophenol	48	U
62-75-9	N-Nitrosodimethylamine	9.5	U
621-64-7	N-Nitrosodi-n-propylamine	9.5	U
86-30-6	N-Nitrosodiphenylamine	9.5	U
85-01-8	Phenanthrene	9.5	U
108-95-2	Phenol	9.5	U
129-00-0	Pyrene	9.5	U
110-86-1	Pyridine	9.5	U
95-95-4	2,4,5-Trichlorophenol	9.5	U
88-06-2	2,4,6-Trichlorophenol	9.5	U
86-74-8	Carbazole	9.5	U

EA Engineering, Science and Technology

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1AC Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: INTRA-LAB QC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
122-66-7	1,2-Diphenylhydrazine (as Az	9.5	U

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	82	(52 - 114)
2-Fluorobiphenyl	81	(58 - 116)
Terphenyl-d14	95	(64 - 126)
2-Fluorophenol	76	(44 - 114)
Phenol-d5	84	(45 - 116)
2,4,6-Tribromophenol	101	(51 - 130)

FORM I

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	81.0	
208-96-8	Acenaphthylene	78.4	
98-86-2	Acetophenone	81.9	
62-53-3	Aniline	0.0	a
120-12-7	Anthracene	77.8	
56-55-3	Benzo(a)anthracene	79.8	
205-99-2	Benzo(b)fluoranthene	76.2	
207-08-9	Benzo(k)fluoranthene	74.3	
65-85-0	Benzoic acid	142	a
191-24-2	Benzo(ghi)perylene	84.8	
50-32-8	Benzo(a)pyrene	74.4	
100-51-6	Benzyl alcohol	82.8	
92-52-4	Biphenyl	99.9	
111-91-1	bis(2-Chloroethoxy)methane	81.8	
111-44-4	bis(2-Chloroethyl) ether	76.0	
108-60-1	bis(2-Chloroisopropyl) ether	78.3	
117-81-7	bis(2-Ethylhexyl) phthalate	79.5	
101-55-3	4-Bromophenyl phenyl ether	84.6	
85-68-7	Butyl benzyl phthalate	77.3	
106-47-8	4-Chloroaniline	9.5	a U
59-50-7	4-Chloro-3-methylphenol	82.7	
91-58-7	2-Chloronaphthalene	91.1	
95-57-8	2-Chlorophenol	79.4	
7005-72-3	4-Chlorophenyl phenyl ether	82.4	
218-01-9	Chrysene	73.8	
53-70-3	Dibenz(a,h)anthracene	67.3	
132-64-9	Dibenzofuran	82.7	
84-74-2	Di-n-butyl phthalate	81.8	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
91-94-1	3,3'-Dichlorobenzidine	48	a U
120-83-2	2,4-Dichlorophenol	82.5	
84-66-2	Diethyl phthalate	85.1	
105-67-9	2,4-Dimethylphenol	34.7	
131-11-3	Dimethyl phthalate	81.6	
117-84-0	Di-n-octyl phthalate	76.2	
534-52-1	4,6-Dinitro-2-methylphenol	91.7	
51-28-5	2,4-Dinitrophenol	96.3	
121-14-2	2,4-Dinitrotoluene	84.0	
606-20-2	2,6-Dinitrotoluene	80.5	
206-44-0	Fluoranthene	82.8	
86-73-7	Fluorene	81.6	
118-74-1	Hexachlorobenzene	84.5	
77-47-4	Hexachlorocyclopentadiene	37.1	
67-72-1	Hexachloroethane	76.9	
193-39-5	Indeno(1,2,3-cd)pyrene	79.8	
78-59-1	Isophorone	80.1	
91-57-6	2-Methylnaphthalene	81.7	
95-48-7	2-Methylphenol	74.4	
88-74-4	2-Nitroaniline	50.1	a
99-09-2	3-Nitroaniline	48	a U
100-01-6	4-Nitroaniline	8.80	a
98-95-3	Nitrobenzene	144	a
88-75-5	2-Nitrophenol	85.2	
100-02-7	4-Nitrophenol	102	
62-75-9	N-Nitrosodimethylamine	84.4	
621-64-7	N-Nitrosodi-n-propylamine	82.9	
86-30-6	N-Nitrosodiphenylamine	63.4	

EA Engineering, Science and Technology
MATRIX SPIKE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A3 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
85-01-8	Phenanthrene	85.9	
108-95-2	Phenol	130	a
129-00-0	Pyrene	77.9	
110-86-1	Pyridine	22.1	
95-95-4	2,4,5-Trichlorophenol	86.9	
88-06-2	2,4,6-Trichlorophenol	91.1	
86-74-8	Carbazole	82.6	
122-66-7	1,2-Diphenylhydrazine (as Az	86.9	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	91	(52 - 114)
2-Fluorobiphenyl	91	(58 - 116)
Terphenyl-d14	97	(64 - 126)
2-Fluorophenol	82	(44 - 114)
Phenol-d5	90	(45 - 116)
2,4,6-Tribromophenol	104	(51 - 130)

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted: 06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %: NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	78.5	
208-96-8	Acenaphthylene	75.9	
98-86-2	Acetophenone	80.6	
62-53-3	Aniline	0.0	a
120-12-7	Anthracene	72.9	
56-55-3	Benzo(a)anthracene	77.2	
205-99-2	Benzo(b)fluoranthene	73.3	
207-08-9	Benzo(k)fluoranthene	73.7	
65-85-0	Benzoic acid	153	a
191-24-2	Benzo(ghi)perylene	81.9	
50-32-8	Benzo(a)pyrene	71.4	
100-51-6	Benzyl alcohol	83.6	
92-52-4	Biphenyl	95.7	
111-91-1	bis(2-Chloroethoxy)methane	80.9	
111-44-4	bis(2-Chloroethyl) ether	75.3	
108-60-1	bis(2-Chloroisopropyl) ether	78.8	
117-81-7	bis(2-Ethylhexyl) phthalate	77.1	
101-55-3	4-Bromophenyl phenyl ether	81.5	
85-68-7	Butyl benzyl phthalate	74.0	
106-47-8	4-Chloroaniline	9.5	a p U
59-50-7	4-Chloro-3-methylphenol	78.8	
91-58-7	2-Chloronaphthalene	87.6	
95-57-8	2-Chlorophenol	78.5	
7005-72-3	4-Chlorophenyl phenyl ether	81.0	
218-01-9	Chrysene	71.5	
53-70-3	Dibenz(a,h)anthracene	65.2	
132-64-9	Dibenzofuran	80.0	
84-74-2	Di-n-butyl phthalate	77.9	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
91-94-1	3,3'-Dichlorobenzidine	0.0	a p
120-83-2	2,4-Dichlorophenol	80.5	
84-66-2	Diethyl phthalate	77.3	
105-67-9	2,4-Dimethylphenol	18.9	p
131-11-3	Dimethyl phthalate	80.0	
117-84-0	Di-n-octyl phthalate	74.0	
534-52-1	4,6-Dinitro-2-methylphenol	91.7	
51-28-5	2,4-Dinitrophenol	92.4	
121-14-2	2,4-Dinitrotoluene	81.6	
606-20-2	2,6-Dinitrotoluene	78.4	
206-44-0	Fluoranthene	79.7	
86-73-7	Fluorene	79.8	
118-74-1	Hexachlorobenzene	81.7	
77-47-4	Hexachlorocyclopentadiene	40.6	
67-72-1	Hexachloroethane	77.0	
193-39-5	Indeno(1,2,3-cd)pyrene	77.4	
78-59-1	Isophorone	78.4	
91-57-6	2-Methylnaphthalene	79.8	
95-48-7	2-Methylphenol	68.3	
88-74-4	2-Nitroaniline	36.0	a p
99-09-2	3-Nitroaniline	48	a p U
100-01-6	4-Nitroaniline	3.76	a p
98-95-3	Nitrobenzene	144	a
88-75-5	2-Nitrophenol	84.8	
100-02-7	4-Nitrophenol	96.8	
62-75-9	N-Nitrosodimethylamine	85.6	
621-64-7	N-Nitrosodi-n-propylamine	83.5	
86-30-6	N-Nitrosodiphenylamine	56.2	

EA Engineering, Science and Technology
MATRIX SPIKE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:I7F050254 001
Method: SW846 8270C
Base/Neutrals and Acids (8270C)

Sample WT/Vol: 1050 / mL Date Received: 06/05/07
Work Order: J0A4E1A4 Date Extracted:06/06/07
Dilution factor: 0.95 Date Analyzed: 06/12/07
Moisture %:NA

QC Batch: 7157509

Client Sample Id: LAB MS/MSD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
85-01-8	Phenanthrene	83.9	
108-95-2	Phenol	131	a
129-00-0	Pyrene	75.1	
110-86-1	Pyridine	9.37	a p
95-95-4	2,4,5-Trichlorophenol	84.3	
88-06-2	2,4,6-Trichlorophenol	88.6	
86-74-8	Carbazole	77.7	
122-66-7	1,2-Diphenylhydrazine (as Az	83.5	

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Nitrobenzene-d5	88	(52 - 114)
2-Fluorobiphenyl	88	(58 - 116)
Terphenyl-d14	92	(64 - 126)
2-Fluorophenol	79	(44 - 114)
Phenol-d5	88	(45 - 116)
2,4,6-Tribromophenol	98	(51 - 130)

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060169

Extraction: XXI49QL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	INTRA-LAB QC	82	81	95	76	84	101	00
02	MW28A	88	85	96	81	88	105	00
03	MW29	78 D	78 D	86 D	67 D	78 D	89 D	00
04	METHOD BLK. J0FF11AA	83	83	96	77	83	95	00
05	LCS J0FF11AC	84	85	93	76	83	96	00
06	LAB MS/MSD D	88	88	92	79	88	98	00
07	LAB MS/MSD S	91	91	97	82	90	104	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(52-114)
SRG02	= 2-Fluorobiphenyl	(58-116)
SRG03	= Terphenyl-d14	(64-126)
SRG04	= 2-Fluorophenol	(44-114)
SRG05	= Phenol-d5	(45-116)
SRG06	= 2,4,6-Tribromophenol	(51-130)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Acenaphthene	95.2	ND	81.0	85	67- 105	
Acenaphthylene	95.2	ND	78.4	82	65- 106	
Aniline	95.2	ND	0.0	0*	26- 111	a
Anthracene	95.2	ND	77.8	82	60- 108	
Benzo(a)anthracene	95.2	ND	79.8	84	63- 109	
Benzo(b)fluoranthene	95.2	ND	76.2	80	59- 108	
Benzo(k)fluoranthene	95.2	ND	74.3	78	57- 125	
Benzoic acid	95.2	ND	142	134*	10- 119	a
Benzo(ghi)perylene	95.2	ND	84.8	89	55- 124	
Benzo(a)pyrene	95.2	ND	74.4	78	64- 104	
Benzyl alcohol	95.2	ND	82.8	87	57- 122	
2-Chlorophenol	95.2	ND	79.4	83	61- 106	
4-Chloro-3-methylphenol	95.2	ND	82.7	87	64- 105	
bis(2-Chloroethoxy)methan	95.2	ND	81.8	86	56- 112	
bis(2-Chloroethyl) ether	95.2	ND	76.0	80	55- 110	
bis(2-Chloroisopropyl) et	95.2	ND	78.3	82	54- 112	
bis(2-Ethylhexyl) phthala	95.2	0.63	79.5	83	10- 174	
4-Bromophenyl phenyl ethe	95.2	ND	84.6	89	60- 116	
Butyl benzyl phthalate	95.2	ND	77.3	81	59- 109	
Carbazole	95.2	ND	82.6	87	57- 114	
4-Chloroaniline	95.2	ND		1*	35- 110	a
2-Chloronaphthalene	95.2	ND	91.1	96	62- 112	
4-Chlorophenyl phenyl eth	95.2	ND	82.4	87	57- 110	
Chrysene	95.2	ND	73.8	77	65- 111	
Dibenz(a,h)anthracene	95.2	ND	67.3	71	60- 118	
Dibenzofuran	95.2	ND	82.7	87	65- 108	
Di-n-butyl phthalate	95.2	ND	81.8	86	60- 110	
3,3'-Dichlorobenzidine	95.2	ND		0*	22- 121	a

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
2,4-Dichlorophenol	95.2	ND	82.5	87	64- 106	
Diethyl phthalate	95.2	ND	85.1	89	61- 108	
2,4-Dimethylphenol	95.2	ND	34.7	36	17- 97	
Dimethyl phthalate	95.2	ND	81.6	86	65- 105	
4,6-Dinitro-2-methylpheno	95.2	ND	91.7	96	65- 114	
2,4-Dinitrophenol	95.2	ND	96.3	101	46- 115	
2,4-Dinitrotoluene	95.2	ND	84.0	88	55- 113	
2,6-Dinitrotoluene	95.2	ND	80.5	84	61- 106	
Di-n-octyl phthalate	95.2	ND	76.2	80	59- 113	
1,2-Diphenylhydrazine (as	95.2	ND	86.9	91	65- 115	
Fluoranthene	95.2	ND	82.8	87	65- 112	
Fluorene	95.2	ND	81.6	86	66- 106	
Hexachlorobenzene	95.2	ND	84.5	89	65- 108	
Hexachlorocyclopentadiene	95.2	ND	37.1	39	1- 91	
Hexachloroethane	95.2	ND	76.9	81	56- 112	
Indeno(1,2,3-cd)pyrene	95.2	ND	79.8	84	60- 118	
Isophorone	95.2	ND	80.1	84	64- 112	
2-Methylnaphthalene	95.2	ND	81.7	86	62- 107	
2-Methylphenol	95.2	ND	74.4	78	57- 106	
2-Nitroaniline	95.2	ND	50.1	53*	58- 113	a
3-Nitroaniline	95.2	ND		2*	43- 124	a
4-Nitroaniline	95.2	ND	8.80	9*	48- 130	a
Nitrobenzene	95.2	ND	144	151*	61- 108	a
2-Nitrophenol	95.2	ND	85.2	89	63- 107	
4-Nitrophenol	95.2	ND	102	107	46- 122	
N-Nitrosodi-n-propylamine	95.2	ND	82.9	87	53- 113	
N-Nitrosodimethylamine	95.2	ND	84.4	89	36- 114	
N-Nitrosodiphenylamine	95.2	ND	63.4	67	46- 92	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A3
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
Phenanthrene	95.2	ND	85.9	90	60 - 112	
Phenol	95.2	ND	130	137*	54 - 124	a
Pyrene	95.2	ND	77.9	82	64 - 108	
Pyridine	95.2	ND	22.1	23	18 - 126	
2,4,5-Trichlorophenol	95.2	ND	86.9	91	56 - 109	
2,4,6-Trichlorophenol	95.2	ND	91.1	96	62 - 106	
Acetophenone	95.2	ND	81.9	86	62 - 115	
Biphenyl	95.2	ND	99.9	105	43 - 162	

NOTES (S) :

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 9 out of 64 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Acenaphthene	95.2	78.5	82	3.2		30	67- 105	
Acenaphthylene	95.2	75.9	80	3.2		30	65- 106	
Aniline	95.2	0.0	0*	0.0		30	26- 111	a
Anthracene	95.2	72.9	77	6.5		30	60- 108	
Benzo(a)anthracene	95.2	77.2	81	3.2		30	63- 109	
Benzo(b)fluoranthene	95.2	73.3	77	3.8		30	59- 108	
Benzo(k)fluoranthene	95.2	73.7	77	0.76		30	57- 125	
Benzoic acid	95.2	153	145*	7.3		30	10- 119	a
Benzo(ghi)perylene	95.2	81.9	86	3.6		30	55- 124	
Benzo(a)pyrene	95.2	71.4	75	4.1		30	64- 104	
Benzyl alcohol	95.2	83.6	88	0.88		30	57- 122	
2-Chlorophenol	95.2	78.5	82	1.1		30	61- 106	
4-Chloro-3-methylphenol	95.2	78.8	83	4.7		30	64- 105	
bis(2-Chloroethoxy)methan	95.2	80.9	85	1.1		30	56- 112	
bis(2-Chloroethyl) ether	95.2	75.3	79	1.0		30	55- 110	
bis(2-Chloroisopropyl) et	95.2	78.8	83	0.73		30	54- 112	
bis(2-Ethylhexyl) phthala	95.2	77.1	80	3.0		30	10- 174	
4-Bromophenyl phenyl ethe	95.2	81.5	86	3.7		30	60- 116	
Butyl benzyl phthalate	95.2	74.0	78	4.3		30	59- 109	
Carbazole	95.2	77.7	82	6.2		30	57- 114	
4-Chloroaniline	95.2		1*	50	*	30	35- 110	a p
2-Chloronaphthalene	95.2	87.6	92	4.0		30	62- 112	
4-Chlorophenyl phenyl eth	95.2	81.0	85	1.7		30	57- 110	
Chrysene	95.2	71.5	75	3.2		30	65- 111	
Dibenz(a,h)anthracene	95.2	65.2	68	3.2		30	60- 118	
Dibenzofuran	95.2	80.0	84	3.4		30	65- 108	
Di-n-butyl phthalate	95.2	77.9	82	4.8		30	60- 110	
3,3'-Dichlorobenzidine	95.2	0.0	0*	200	*	30	22- 121	a p

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
2,4-Dichlorophenol	95.2	80.5	85	2.5		30	64 - 106	
Diethyl phthalate	95.2	77.3	81	9.6		30	61 - 108	
2,4-Dimethylphenol	95.2	18.9	20	59	*	30	17 - 97	p
Dimethyl phthalate	95.2	80.0	84	2.0		30	65 - 105	
4,6-Dinitro-2-methylpheno	95.2	91.7	96	0.050		30	65 - 114	
2,4-Dinitrophenol	95.2	92.4	97	4.1		30	46 - 115	
2,4-Dinitrotoluene	95.2	81.6	86	3.0		30	55 - 113	
2,6-Dinitrotoluene	95.2	78.4	82	2.6		30	61 - 106	
Di-n-octyl phthalate	95.2	74.0	78	2.9		30	59 - 113	
1,2-Diphenylhydrazine (as	95.2	83.5	88	4.0		30	65 - 115	
Fluoranthene	95.2	79.7	84	3.8		30	65 - 112	
Fluorene	95.2	79.8	84	2.2		30	66 - 106	
Hexachlorobenzene	95.2	81.7	86	3.3		30	65 - 108	
Hexachlorocyclopentadiene	95.2	40.6	43	9.0		30	1 - 91	
Hexachloroethane	95.2	77.0	81	0.14		30	56 - 112	
Indeno(1,2,3-cd)pyrene	95.2	77.4	81	3.2		30	60 - 118	
Isophorone	95.2	78.4	82	2.2		30	64 - 112	
2-Methylnaphthalene	95.2	79.8	84	2.3		30	62 - 107	
2-Methylphenol	95.2	68.3	72	8.6		30	57 - 106	
2-Nitroaniline	95.2	36.0	38*	33	*	30	58 - 113	a p
3-Nitroaniline	95.2		0*	119	*	30	43 - 124	a p
4-Nitroaniline	95.2	3.76	3*	80	*	30	48 - 130	a p
Nitrobenzene	95.2	144	151*	0.17		30	61 - 108	a
2-Nitrophenol	95.2	84.8	89	0.41		30	63 - 107	
4-Nitrophenol	95.2	96.8	102	5.2		30	46 - 122	
N-Nitrosodi-n-propylamine	95.2	83.5	88	0.73		30	53 - 113	
N-Nitrosodimethylamine	95.2	85.6	90	1.4		30	36 - 114	
N-Nitrosodiphenylamine	95.2	56.2	59	12		30	46 - 92	

(Continued on next page)

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: I7F050254 WO #: J0A4E1A4
BATCH: 7157509

COMPOUND	SPIKE ADDED	MSD CONCENT.	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenanthrene	95.2	83.9	88	2.4		30	60- 112	
Phenol	95.2	131	138*	0.94		30	54- 124	a
Pyrene	95.2	75.1	79	3.7		30	64- 108	
Pyridine	95.2	9.37	9*	81	*	30	18- 126	a p
2,4,5-Trichlorophenol	95.2	84.3	89	3.0		30	56- 109	
2,4,6-Trichlorophenol	95.2	88.6	93	2.8		30	62- 106	
Acetophenone	95.2	80.6	84	1.6		30	62- 115	
Biphenyl	95.2	95.7	100	4.3		30	43- 162	

NOTES (S):

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 7 out of 64 outside limits
Spike Recovery: 10 out of 64 outside limits

COMMENTS:

FORM III

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Acenaphthene	100	79.6	80	67- 105	
Acenaphthylene	100	77.3	77	65- 106	
Aniline	100	65.9	66	26- 111	
Anthracene	100	78.3	78	60- 108	
Benzo(a)anthracene	100	75.1	75	63- 109	
Benzo(b)fluoranthene	100	75.3	75	59- 108	
Benzo(k)fluoranthene	100	70.8	71	57- 125	
Benzoic acid	100	70.4	70	10- 119	
Benzo(ghi)perylene	100	84.6	85	55- 124	
Benzo(a)pyrene	100	74.3	74	64- 104	
Benzyl alcohol	100	79.7	80	57- 122	
2-Chlorophenol	100	76.4	76	61- 106	
4-Chloro-3-methylphenol	100	79.3	79	64- 105	
bis(2-Chloroethoxy)methan	100	79.6	80	56- 112	
bis(2-Chloroethyl) ether	100	74.5	74	55- 110	
bis(2-Chloroisopropyl) et	100	75.3	75	54- 112	
bis(2-Ethylhexyl) phthala	100	74.3	74	10- 174	
4-Bromophenyl phenyl ethe	100	81.9	82	60- 116	
Butyl benzyl phthalate	100	73.9	74	59- 109	
Carbazole	100	82.9	83	57- 114	
4-Chloroaniline	100	71.7	72	35- 110	
2-Chloronaphthalene	100	88.6	89	62- 112	
4-Chlorophenyl phenyl eth	100	80.6	81	57- 110	
Chrysene	100	71.0	71	65- 111	
Dibenz(a,h)anthracene	100	66.2	66	60- 118	
Dibenzofuran	100	79.8	80	65- 108	
Di-n-butyl phthalate	100	80.5	80	60- 110	
3,3'-Dichlorobenzidine	100	65.1	65	22- 121	
2,4-Dichlorophenol	100	79.9	80	64- 106	
Diethyl phthalate	100	82.3	82	61- 108	
2,4-Dimethylphenol	100	50.4	50	17- 97	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Dimethyl phthalate	100	80.1	80	65- 105	
4,6-Dinitro-2-methylpheno	100	83.7	84	65- 114	
2,4-Dinitrophenol	100	77.8	78	46- 115	
2,4-Dinitrotoluene	100	81.1	81	55- 113	
2,6-Dinitrotoluene	100	78.6	79	61- 106	
Di-n-octyl phthalate	100	70.6	71	59- 113	
1,2-Diphenylhydrazine (as	100	84.5	84	65- 115	
Fluoranthene	100	80.9	81	65- 112	
Fluorene	100	79.5	80	66- 106	
Hexachlorobenzene	100	82.5	82	65- 108	
Hexachlorocyclopentadiene	100	31.3	31	1- 91	
Hexachloroethane	100	74.8	75	56- 112	
Indeno(1,2,3-cd)pyrene	100	79.2	79	60- 118	
Isophorone	100	77.4	77	64- 112	
2-Methylnaphthalene	100	79.5	79	62- 107	
2-Methylphenol	100	74.0	74	57- 106	
2-Nitroaniline	100	78.0	78	58- 113	
3-Nitroaniline	100	79.0	79	43- 124	
4-Nitroaniline	100	80.6	81	48- 130	
Nitrobenzene	100	76.6	77	61- 108	
2-Nitrophenol	100	80.0	80	63- 107	
4-Nitrophenol	100	86.3	86	46- 122	
N-Nitrosodi-n-propylamine	100	79.7	80	53- 113	
N-Nitrosodimethylamine	100	81.5	81	36- 114	
N-Nitrosodiphenylamine	100	64.7	65	46- 92	
Phenanthrene	100	81.8	82	60- 112	
Phenol	100	76.0	76	54- 124	
Pyrene	100	76.9	77	64- 108	
Pyridine	100	72.0	72	18- 126	
2,4,5-Trichlorophenol	100	84.2	84	56- 109	
2,4,6-Trichlorophenol	100	86.9	87	62- 106	

(Continued on next page)

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: EA Engineering, Science and Technology

Lab Code: STLAUS SDG No:

Lot #: I7F060000 WO #: J0FF11AC
BATCH: 7157509

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Benzidine	100	ND	13	1- 87	
Acetophenone	100	78.1	78	62- 115	
Biphenyl	100	91.6	92	43- 162	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 65 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.
J0FF11AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLAUS

SDG Number:

Lab File ID: N061211.D

Lot Number: I7F060169

Date Analyzed: 06/12/07

Time Analyzed: 12:52

Matrix: WATER

Date Extracted:06/06/07

GC Column: RTX-5MS ID: .25

Extraction Method: 3520C

Instrument ID: N1B

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	J0A4E1AC	N061213.D	06/12/07	13:50
02	LAB MS/MSD	J0A4E1A3 S	N061214.D	06/12/07	14:20
03	LAB MS/MSD	J0A4E1A4 D	N061215.D	06/12/07	14:49
04	MW28A	J0DTG1AC	N061218.D	06/12/07	16:15
05	MW29	J0DTN1AF	N061310.D	06/13/07	18:07
06	CHECK SAMPLE	J0FF11AC C	N061212.D	06/12/07	13:21
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 8270C

Associated Samples: 1-2

Batch Number: 7157509

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

8270C data

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N061202	06/12/07	0804
02	APPIX_075	CCALIB_4	N061203	06/12/07	0856
03	CAP_010	ICALIB_1	N061204	06/12/07	0930
04	CAP_020	ICALIB_2	N061205	06/12/07	0959
05	CAP_050	ICALIB_3	N061206	06/12/07	1028
06	CAP_075	ICALIB_4	N061207	06/12/07	1057
07	CAP_100	ICALIB_5	N061208	06/12/07	1126
08	CAP_120	ICALIB_6	N061209	06/12/07	1154
09	CAP_050	SSV_2	N061210	06/12/07	1223
10	I7F060000-50	J0FF11AAB	N061211	06/12/07	1252
11	I7F060000-50	J0FF11ACC	N061212	06/12/07	1321
12	OMW27B	J0A4E1AC	N061213	06/12/07	1350
13	I7F050254-01	J0A4E1A3S	N061214	06/12/07	1420
14	I7F050254-01	J0A4E1A4D	N061215	06/12/07	1449
15	OUTFALL 003	JX9N71AA	N061216	06/12/07	1518
16	I7F050254-03	J0A5A1AC	N061217	06/12/07	1546
17	MW28A	J0DTG1AC	N061218	06/12/07	1615
18	MW29	J0DTN1AF	N061219	06/12/07	1644
19	I7F110000-41	J0P9R1AAB	N061220	06/12/07	1713
20	I7F110000-41	J0P9R1ACC	N061221	06/12/07	1742
21	I7F110000-41	J0P9R1ADL	N061222	06/12/07	1811
22	OP1 USED OIL	JX3451AC	N061223	06/12/07	1840

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

8270C
6 75
d3/4

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OP1 A USED O	JX35J1AC	N061224	06/12/07	1909
02	OP4 USED OIL	JX35P1AC	N061225	06/12/07	1938
03	C12 USED OIL	~~JX35Q1AC~~	~~N061226~~	~~06/12/07~~	~~2007~~
04	C:12 ~~COD TOP~~	~~J0QDM1AC~~	~~N061227~~	~~06/12/07~~	~~2036~~
05	I7F060000-50	J0FFW1AAB	N061228	06/12/07	2105
06	I7F060000-50	J0FFW1ACC	N061229	06/12/07	2134
07	I7F060000-50	J0FFW1ADL	N061230	06/12/07	2203
08	OUTFALL 002	JX80K1AD	N061231	06/12/07	2232
09	OUTFALL 003	JX81C1AE	N061232	06/12/07	2300
10	OUTFALL 002	J0CC31AA	N061233	06/12/07	2329
11	OUTFALL 003	J0CDK1AC	N061234	06/12/07	2358
12	OUTFALL 001(	J0CJP1AA	N061235	06/13/07	0027
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8270C
6 75

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
iant Method : ISTD
irget Version : 4.14
itegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

alibration File Names:
evel 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053111.D~~ N053103.D
evel 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053112.D~~ N053104.D
evel 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053113.D~~ N053105.D
evel 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053114.D~~ N053106.D
evel 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053115.D~~ N053107.D
evel 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053116.D~~ N053108.D
evel 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053117.D~~ N053109.D

MM 6-4-1

JG 6-5-07

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.33780	1.47458	1.45377	1.39413	1.33474	1.33050					
	1.32022						AVRG		1.37796		4.62893
2 N-Nitrosodimethylamine	0.78256	0.87430	0.81562	0.79640	0.77358	0.76964					
	0.77130						AVRG		0.79763		4.71490
3 2-Picoline	1.52557	1.73446	1.63715	1.59572	1.54301	1.53628					
	1.52827						AVRG		1.58578		4.88843
4 N-Nitrosomethylethylamine	0.69465	0.78902	0.75103	0.73078	0.71352	0.71496					
	0.71744						AVRG		0.73020		4.26926

MM 6-4-7

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.79327	0.87883	0.83773	0.79991	0.75185	0.74399					
	0.73234						AVRG		0.79113		6.76092
7 N-Nitrosodiethylamine	0.65483	0.76018	0.70747	0.71875	0.70572	0.70852					
	0.70135						AVRG		0.70812		4.35854
8 Ethyl methanesulfonate	1.00215	1.12714	1.08825	1.04607	1.02920	1.03749					
	1.03597						AVRG		1.05232		3.96893
9 Pentachloroethane	0.47243	0.54357	0.51068	0.48995	0.48088	0.47637					
	0.47973						AVRG		0.49337		5.16820
10 Aniline	2.07454	2.36384	2.24280	2.19434	2.09233	2.07856					
	2.07818						AVRG		2.16066		5.16722
11 bis(2-Chloroethyl)ether	1.35311	1.52232	1.43886	1.40204	1.38981	1.39973					
	1.39847						AVRG		1.41491		3.78701
13 Phenol	1.90657	2.15037	2.12783	1.97086	1.99919	2.00115					
	2.00007						AVRG		2.02229		4.28504

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.44975	1.64680	1.54202	1.50015	1.46765	1.46869					
	1.48189						AVRG		1.50814		4.50803
15 1,3-Dichlorobenzene	1.55738	1.75507	1.63431	1.58219	1.52862	1.51357					
	1.52207						AVRG		1.58474		5.42612
16 1,4-Dichlorobenzene	1.62085	1.81485	1.68885	1.63915	1.59896	1.56833					
	1.56780						AVRG		1.64268		5.29018
18 1,2-Dichlorobenzene	1.49554	1.69517	1.56887	1.51663	1.47528	1.45909					
	1.46362						AVRG		1.52489		5.51292
19 Benzyl Alcohol	0.85532	0.99358	0.96801	0.94216	0.93083	0.93857					
	0.94033						AVRG		0.93840		4.54206
20 bis(2-Chloroisopropyl)ether	1.65754	1.83491	1.68910	1.62551	1.57159	1.55092					
	1.54053						AVRG		1.63859		6.27411
21 2-Methylphenol	1.26797	1.42595	1.35211	1.30821	1.29084	1.29274					
	1.29881						AVRG		1.31952		4.05081

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetophenone	1.83320	2.09633	1.98909	1.93054	1.90457	1.90560					
	1.89415						AVRG		1.93621		4.36134
23 N-Nitroso-di-n-propylamine	0.98388	1.11862	1.06265	1.01997	0.95925	0.93567					
	0.90268						AVRG		0.99753		7.53305
24 N-Nitrosopyrrolidine	0.64954	0.75414	0.73672	0.71215	0.67613	0.67007					
	0.64137						AVRG		0.69144		6.29417
25 3-(and/or 4-)Methylphenol	1.38084	1.55474	1.46904	1.42267	1.37495	1.34599					
	1.31038						AVRG		1.40837		5.84627
27 o-Toluidine	2.08675	2.38629	2.25067	2.17911	2.14027	2.12588					
	2.06490						AVRG		2.17627		5.09970
28 Hexachloroethane	0.56936	0.64915	0.61125	0.59183	0.57515	0.56187					
	0.55281						AVRG		0.58735		5.70013
30 Nitrobenzene	0.38483	0.44212	0.40660	0.39891	0.37886	0.37370					
	0.37254						AVRG		0.39394		6.29084

STL Austin

INITIAL CALIBRATION DATA

.art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.16676	0.19652	0.18635	0.18018	0.17631	0.17559					
	0.17565						AVRG		0.17962		5.27887
32 Isophorone	0.65180	0.76491	0.71398	0.69181	0.66884	0.66367					
	0.65991						AVRG		0.68785		5.83448
33 2-Nitrophenol	0.17530	0.21337	0.21083	0.20643	0.20280	0.20299					
	0.20536						AVRG		0.20244		6.22084
34 2,4-Dimethyphenol	0.36657	0.42559	0.39822	0.38705	0.37568	0.37051					
	0.36761						AVRG		0.38446		5.58242
35 Bis(2-chloroethoxy)methane	0.37222	0.43810	0.40812	0.39729	0.38425	0.38346					
	0.38296						AVRG		0.39520		5.60835
36 2,4-Dichlorophenol	0.27151	0.32102	0.30232	0.29318	0.28714	0.28540					
	0.28591						AVRG		0.29235		5.36000
38 1,2,4-Trichlorobenzene	0.31658	0.36557	0.33484	0.32716	0.31357	0.30832					
	0.31061						AVRG		0.32523		6.19278

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	+++++	9403	46779	64932	116509	158266					
	203003						WLINR	0.31773	0.10144		0.99014
41 Naphthalene	1.05256	1.19109	1.08973	1.06074	1.01307	0.99931					
	0.99382						AVRG		1.05719		6.50030
42 4-Chloroaniline	0.41213	0.48397	0.45811	0.44215	0.42447	0.41956					
	0.40485						AVRG		0.43503		6.47770
43 2,6-Dichlorophenol	0.27734	0.32002	0.30336	0.29172	0.28202	0.27804					
	0.27736						AVRG		0.28998		5.64739
44 Hexachloropropene	0.16460	0.20485	0.20422	0.20549	0.19818	0.19404					
	0.19229						AVRG		0.19481		7.36315
45 Hexachlorobutadiene	0.19049	0.21965	0.19934	0.19375	0.18286	0.17885					
	0.17720						AVRG		0.19173		7.67328
46 N-Nitroso-di-n-butylamine	0.21821	0.26475	0.24823	0.23796	0.23206	0.22778					
	0.22480						AVRG		0.23626		6.70256

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29201	0.35817	0.34095	0.33047	0.31914	0.31317					
	0.30866						AVRG		0.32322		6.79325
48 Safrole	0.25327	0.30261	0.28545	0.27490	0.26878	0.26817					
	0.26581						AVRG		0.27414		5.78324
49 2-Methylnaphthalene	0.66572	0.77609	0.72749	0.70079	0.67527	0.66454					
	0.66090						AVRG		0.69583		6.15237
50 Hexachlorocyclopentadiene	++++++	3724	32284	50698	101184	146833					
	170812						QUAD	0.49367	6.80755	-2.63312	0.99283
51 1,2,4,5-Tetrachlorobenzene	0.54892	0.60823	0.57679	0.57009	0.54990	0.54118					
	0.53980						AVRG		0.56213		4.39690
52 2,4,6-Trichlorophenol	0.30311	0.36195	0.35880	0.35495	0.34682	0.34437					
	0.34429						AVRG		0.34490		5.71999
53 2,4,5-Trichlorphenol	0.32808	0.37547	0.38654	0.37862	0.37257	0.36934					
	0.37371						AVRG		0.36919		5.12846

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.44145	0.50171	0.47046	0.46085	0.44415	0.43937					
	0.43677						AVRG		0.45640		5.15322
56 Isosafrole	0.46263	0.53127	0.49445	0.48160	0.46402	0.46115					
	0.46044						AVRG		0.47937		5.47472
57 2-Nitroaniline	0.32076	0.38115	0.36276	0.35617	0.35089	0.35234					
	0.35267						AVRG		0.35382		5.07807
58 1,4-Naphthoquinone	0.36811	0.46699	0.45872	0.44759	0.42289	0.41616					
	0.40971						AVRG		0.42717		7.95622
59 Dimethylphthalate	1.22645	1.38860	1.29174	1.27590	1.20844	1.21437					
	1.25963						AVRG		1.26645		4.92845
60 2,6-Dinitrotoluene	0.28538	0.33493	0.31991	0.31162	0.29604	0.29567					
	0.29964						AVRG		0.30617		5.55204
61 1,3-Dinitrobenzene	0.18867	0.23324	0.23616	0.23526	0.23548	0.23908					
	0.24049						AVRG		0.22977		7.95933

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	1.84850	2.12224	1.97627	1.90387	1.83099	1.80293					
	1.78627						AVRG		1.89587		6.27338
63 3-Nitroaniline	0.30165	0.35006	0.34501	0.34253	0.33903	0.34207					
	0.34660						AVRG		0.33814		4.87154
65 Acenaphthene	1.11253	1.26289	1.17445	1.14420	1.09627	1.08060					
	1.07327						AVRG		1.13489		5.88599
66 2,4-Dinitrophenol	+++++	8367	47313	61704	110710	148358					
	176908						WLINR	0.35044	0.17828		0.99642
67 Dibenzofuran	1.56767	1.77260	1.63562	1.59125	1.52318	1.50944					
	1.51581						AVRG		1.58794		5.88237
68 4-Nitrophenol	0.11822	0.16054	0.15823	0.15703	0.15387	0.15670					
	0.16032						AVRG		0.15213		9.94257
69 Pentachlorobenzene	0.45204	0.51849	0.48585	0.46974	0.44899	0.44099					
	0.43743						AVRG		0.46479		6.25947

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.34770	0.42550	0.42445	0.41745	0.39769	0.40153					
	0.40872						AVRG		0.40329		6.63491
72 2,3,4,6-tetrachlorophenol	0.21490	0.27843	0.29430	0.29076	0.29095	0.29020					
	0.28882						AVRG		0.27834		10.20756
74 Diethylphthalate	1.16689	1.35679	1.28810	1.26907	1.19241	1.20423					
	1.20883						AVRG		1.24090		5.37106
75 4-Chlorophenyl-phenylether	0.62020	0.71272	0.64232	0.62771	0.59011	0.56828					
	0.55861						AVRG		0.61714		8.48015
76 Fluorene	1.22089	1.39405	1.27139	1.24886	1.18411	1.15253					
	1.14394						AVRG		1.23083		7.00266
77 5-Nitro-o-toluidine	0.33691	0.41183	0.40964	0.39740	0.38243	0.38467					
	0.37741						AVRG		0.38576		6.57014
78 4,6-Dinitro-2-methylphenol	8895	27821	88326	106078	163980	206626					
	238126						WLINR	0.07978	0.12827		0.99779

317

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.29114	0.35146	0.34332	0.33220	0.31643	0.32454					
	0.32841						AVRG		0.32679		5.98705
80 N-Nitrosodiphenylamine/DPA	1.09102	1.24619	1.19556	1.15596	1.07443	1.06361					
	1.07179						AVRG		1.12837		6.35573
81 Azobenzene	0.69193	0.78506	0.70743	0.68639	0.74574	0.72885					
	0.71728						AVRG		0.72324		4.71668
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19960	0.22651	0.21194	0.20042	0.19733	0.19418					
	0.19333						AVRG		0.20333		5.86539
85 Phenacetin	0.32402	0.39105	0.36390	0.35746	0.33780	0.33838					
	0.33948						AVRG		0.35030		6.38639
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19471	0.22314	0.20771	0.20277	0.19541	0.19198					
	0.19106						AVRG		0.20097		5.70714
88 1,3,5-Trinitrobenzene	0.14960	0.16650	0.17531	0.17773	0.17203	0.17267					
	0.16819						AVRG		0.16886		5.52314
90 Pentachlorophenol	+++++	12581	47362	59489	105098	139870					
	168184						WLINR	0.21515	0.08705		0.99614
91 Pronamide	0.28741	0.34060	0.32028	0.30840	0.28680	0.28179					
	0.27852						AVRG		0.30054		7.74846
92 Pentachloronitrobenzene	0.03618	0.04123	0.03953	0.03854	0.03659	0.03659					
	0.03687						AVRG		0.03793		5.00800
94 Phenanthrene	1.02793	1.16126	1.06126	1.02962	0.95476	0.97329					
	0.96100						AVRG		1.02416		7.08718
95 Anthracene	1.03521	1.19019	1.08296	1.04621	0.96517	0.93129					
	0.91629						AVRG		1.02390		9.38206

%RSD 17.2

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	12037	38743	118892	147133	227884	282391					
	325866						WLINR	0.08031	0.17620		0.99781
97 Carbazole	0.90842	1.11129	1.03878	0.98577	0.93486	0.91711					
	0.91033						AVRG		0.97237		7.99778
98 Di-n-Butylphthalate	1.11233	1.29400	1.18077	1.14181	1.07356	1.04102					
	1.02472						AVRG		1.12403		8.27113
101 Isodrin	0.10929	0.12571	0.11736	0.11415	0.10826	0.10681					
	0.10584						AVRG		0.11249		6.34514
102 Fluoranthene	1.14543	1.31005	1.19343	1.13703	1.05626	1.02831					
	1.01157						AVRG		1.12601		9.34402
103 Benzidine	0.43005	0.53519	0.55158	0.59063	0.54068	0.54108					
	0.48968						AVRG		0.52556		9.78990
104 Pyrene	1.33693	1.49581	1.34185	1.29733	1.22321	1.18973					
	1.17981						AVRG		1.29495		8.56370

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
id Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.31962	0.37920	0.35285	0.34480	0.33110	0.32278					
	0.31865						AVRG		0.33843		6.55635
107 Chlorobenzilate	0.34991	0.39735	0.36628	0.36191	0.34383	0.33680					
	0.33965						AVRG		0.35653		5.91646
109 3,3'-Dimethylbenzidine	0.63823	0.80805	0.76338	0.73361	0.66460	0.62210					
	0.58660						AVRG		0.68808		11.84024
110 Butylbenzylphthalate	0.55917	0.63245	0.56970	0.55816	0.53146	0.51986					
	0.52182						AVRG		0.55609		7.01250
111 2-Acetylaminofluorene	0.44617	0.53611	0.51117	0.50780	0.49110	0.48876					
	0.48775						AVRG		0.49555		5.59005
112 3,3'-Dichlorobenzidine	0.43076	0.49664	0.45179	0.43881	0.40001	0.37949					
	0.36559						AVRG		0.42330		10.68744
113 Benzo(a)anthracene	1.25115	1.37989	1.21856	1.17645	1.08568	1.03867					
	1.01887						AVRG		1.16704		11.07162

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.72961	0.83892	0.77944	0.75097	0.70662	0.67333					
	0.65615						AVRG		0.73358		8.59816
116 Chrysene	1.09845	1.25682	1.14343	1.10986	1.02472	0.97461					
	0.95278						AVRG		1.08010		9.77399
117 Di-n-octylphthalate	1.28079	1.49327	1.39995	1.36008	1.31175	1.23612					
	1.24922						AVRG		1.33302		6.98108
118 7,12-Dimethylbenz(a)anthracen	0.51320	0.63707	0.56697	0.55539	0.51463	0.48082					
	0.48064						AVRG		0.53553		10.40642
119 Benzo(b)fluoranthene	1.41538	1.49927	1.36899	1.29310	1.19689	1.17317					
	+++++						AVRG		1.32446		9.60722
120 Benzo(k)fluoranthene	1.40670	1.61595	1.43205	1.39969	1.34588	1.22167					
	1.15113						AVRG		1.36758		11.04973
121 Benzo(a)pyrene	1.21201	1.35070	1.22965	1.19571	1.13512	1.10283					
	1.09995						AVRG		1.18942		7.41171

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
:thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.54003	0.63095	0.59891	0.57417	0.55555	0.54334					
	0.54347						AVRG		0.56949		6.03535
125 Indeno(1,2,3-cd)pyrene	1.33092	1.48263	1.35059	1.29612	1.22828	1.18387					
	1.18631						AVRG		1.29410		8.23812
126 Dibenz(a,h)anthracene	1.08757	1.21084	1.11633	1.05091	0.99603	0.95299					
	0.95356						AVRG		1.05260		8.95073
127 Benzo(g,h,i)perylene	1.06217	1.21687	1.13106	1.09104	1.03927	0.99907					
	1.00031						AVRG		1.07711		7.21936
176 Diallate (total)	0.13033	0.15350	0.14501	0.14317	0.13671	0.13831					
	0.13905						AVRG		0.14087		5.18479
6 2-Fluorophenol	1.32259	1.54475	1.45585	1.41006	1.36784	1.36074					
	1.36926						AVRG		1.40444		5.32426

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
12 Phenol-d5	1.66387	1.87043	1.75468	1.69449	1.65456	1.65335					
	1.65525						AVRG		1.70666		4.74250
82 2,4,6-Tribromophenol	0.07590	0.09072	0.08931	0.08791	0.08581	0.08525					
	0.08459						AVRG		0.08564		5.65083
29 Nitrobenzene-d5	0.36272	0.41934	0.39110	0.38165	0.36708	0.36396					
	0.36564						AVRG		0.37878		5.48762
54 2-Fluorobiphenyl	1.30679	1.48130	1.39167	1.34861	1.29937	1.27495					
	1.26465						AVRG		1.33819		5.73563
105 Terphenyl-d14	0.84946	0.94743	0.84900	0.83993	0.79095	0.76775					
	0.76063						AVRG		0.82931		7.75822

STL Austin

INITIAL CALIBRATION DATA

:art Cal Date : 31-MAY-2007 12:44
ıd Cal Date : 31-MAY-2007 19:49
ıant Method : ISTD
ırget Version : 4.14
ıtegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ıst Edit : 04-Jun-2007 09:20 malloym

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Calibration File Names:
Level 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Level 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Level 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Level 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Level 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Level 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Level 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

curve reprocessed for additional compound
m 6-6-7

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
26 N-Nitrosomorpholine	0.83470	0.84247	0.76297	0.79606	0.77803	0.77473					
	0.65734						AVRG		0.77804		7.86930
37 a,a-Dimethylphenethylamine	0.65203	0.73622	0.69820	0.70838	0.68701	0.66463					
	0.52870						AVRG		0.66788		10.08615
71 1-Naphthylamine	1.03785	1.07541	1.09492	1.10645	1.11253	1.10894					
	1.07448						AVRG		1.08722		2.45665
73 2-Naphthylamine	1.02269	1.05193	1.08851	1.12051	1.13146	1.12236					
	1.04537						AVRG		1.08326		4.01554

JG 6-6-07

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 4-Aminobiphenyl	0.71121	0.71190	0.78176	0.79903	0.78024	0.75888					
	0.72132						AVRG		0.75205		4.90235
99 4-Nitroquinoline-1-oxide	776	2596	12113	25119	39451	50174					
	66584						LINR	0.40942	0.03634		0.99019 <-
100 Methapyrilene	52215	94982	182726	254722	320200	355467					
	+++++						QUAD	0.02937	2.17877	3.21209	0.99952
129 2-Ethoxyethanol	0.73688	0.68831	0.65857	0.66293	0.66002	0.66115					
	0.64951						AVRG		0.67391		4.48442
130 N,N-Dimethylformamide	0.88370	0.86548	0.89907	0.92423	0.91540	0.92424					
	0.91118						AVRG		0.90333		2.44123
131 Propyl cellosolve	1.26909	1.31414	1.25972	1.28535	1.26333	1.24723					
	1.22417						AVRG		1.26615		2.24531
132 Acrylamide	0.31420	0.34450	0.34435	0.36632	0.36385	0.36411					
	0.35722						AVRG		0.35065		5.27171

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
136 o,o,o-Triethylphosphorothioat	0.17393	0.18041	0.16566	0.17208	0.17185	0.17011					
	0.16873						AVRG		0.17182		2.69477
142 p-Phenylenediamine	28477	83105	218644	331932	438728	497778					
	568140						QUAD	0.21080	1.67688	1.39074	0.99556
143 1-Methylnaphthalene	0.62777	0.63707	0.60016	0.61380	0.60857	0.60143					
	0.58988						AVRG		0.61124		2.69622
146 Biphenyl	1.41658	1.38940	1.34895	1.33233	1.31397	1.30969					
	1.25633						AVRG		1.33818		3.97968
149 Diphenyl ether	0.77816	0.77174	0.74847	0.74241	0.73703	0.73260					
	0.70494						AVRG		0.74505		3.31277
150 1,4-Dinitrobenzene	0.15864	0.16855	0.17574	0.18159	0.18688	0.18952					
	0.18628						AVRG		0.17817		6.32602
151 Dimethyl terephthalate	0.22081	0.22175	0.21256	0.21278	0.21075	0.21158					
	0.20503						AVRG		0.21361		2.74184

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	14458	30816	79788	136704	189919	232153					
	301322						WLINR	0.11130	0.25607		0.99773
154 Thionazin	0.24192	0.24883	0.24230	0.24459	0.23588	0.23515					
	0.22428						AVRG		0.23899		3.36616
155 Sulfotepp	0.10402	0.11107	0.10321	0.10414	0.10221	0.09662					
	0.09409						AVRG		0.10219		5.41185
156 Phorate	0.38051	0.39725	0.36862	0.37240	0.36076	0.35569					
	0.34958						AVRG		0.36926		4.37245
157 Dimethoate	0.23278	0.24217	0.21058	0.19428	0.17766	0.16638					
	+++++						AVRG		0.20398		14.76019
158 Disulfoton	0.31298	0.33152	0.30852	0.31066	0.30437	0.29534					
	0.28647						AVRG		0.30712		4.63693
159 Methyl parathion	0.18966	0.20658	0.18459	0.17374	0.16247	0.15370					
	0.14333						AVRG		0.17344		12.68068

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12210	0.13537	0.13101	0.13316	0.12751	0.12515					
	0.12040						AVRG		0.12781		4.40969
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.01072	+++++	+++++					
	+++++						AVRG		0.01072		0.000e+000
164 4,4-Methylenebis(2-chloroa	0.09828	0.10400	0.10022	0.09955	0.10030	0.09705					
	0.09614						AVRG		0.09936		2.60197
167 Dibenz(a,j)acridine	0.83799	0.87208	0.84986	0.87043	0.84054	0.84061					
	0.82296						AVRG		0.84778		2.11214
173 1-Methyl-2-pyrrolidone	0.83215	0.83900	0.78429	0.83412	0.83057	0.83246					
	0.82047						AVRG		0.82472		2.26509

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
M 177 Aramite (total)	0.13456	0.14434	0.14097	0.14012	0.13810	0.13565					
	0.13071						AVRG		0.13778		3.29461

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date : 14-Jun-2007 15:23 Page 2

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 12-JUN-2007 11:54
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Last Edit : 13-Jun-2007 10:37 malloym
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Level 2: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Level 3: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Level 4: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Level 5: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Level 6: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Level 7: \\aussvr02\ins_data\MSN1.i\N053107.B\N053117.D

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7							
174 Caprolactam	0.11016 +++++	0.10862	0.10406	0.11866	0.11196	0.10658	0.11001	4.596

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 4
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:04
Lab File ID: N061202.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 2-Fluorophenol	1.40444	1.36427	1.36427	0.010	2.86042	40.00000	Averaged
$ 12 Phenol-d5	1.70666	1.67278	1.67278	0.010	1.98504	40.00000	Averaged
$ 82 2,4,6-Tribromophenol	0.08564	0.08604	0.08604	0.010	-0.45884	40.00000	Averaged
$ 29 Nitrobenzene-d5	0.37878	0.36737	0.36737	0.010	3.01451	40.00000	Averaged
$ 54 2-Fluorobiphenyl	1.33819	1.29221	1.29221	0.010	3.43632	40.00000	Averaged
$ 105 Terphenyl-d14	0.82931	0.74038	0.74038	0.010	10.72249	40.00000	Averaged
1 Pyridine	1.37796	1.39287	1.39287	0.010	-1.08163	40.00000	Averaged
2 N-Nitrosodimethylamine	0.79763	0.78763	0.78763	0.010	1.25412	40.00000	Averaged
3 2-Picoline	1.58578	1.55829	1.55829	0.010	1.73337	40.00000	Averaged
4 N-Nitrosomethylethylamine	0.73020	0.71428	0.71428	0.010	2.18044	40.00000	Averaged
5 Methyl methanesulfonate	0.79113	0.77037	0.77037	0.010	2.62429	40.00000	Averaged
7 N-Nitrosodiethylamine	0.70812	0.70246	0.70246	0.010	0.79876	40.00000	Averaged
8 Ethyl methanesulfonate	1.05232	1.03577	1.03577	0.010	1.57351	40.00000	Averaged
9 Pentachloroethane	0.49337	0.48164	0.48164	0.010	2.37888	40.00000	Averaged
10 Aniline	2.16066	2.16256	2.16256	0.010	-0.08823	40.00000	Averaged
11 bis(2-Chloroethyl)ether	1.41491	1.35431	1.35431	0.010	4.28295	40.00000	Averaged
13 Phenol	2.02229	1.87816	1.87816	0.010	7.12741	20.00000	Averaged
14 2-Chlorophenol	1.50814	1.46720	1.46720	0.010	2.71402	40.00000	Averaged
15 1,3-Dichlorobenzene	1.58474	1.53441	1.53441	0.010	3.17625	40.00000	Averaged
16 1,4-Dichlorobenzene	1.64268	1.56868	1.56868	0.010	4.50532	20.00000	Averaged
18 1,2-Dichlorobenzene	1.52489	1.47145	1.47145	0.010	3.50410	40.00000	Averaged
19 Benzyl Alcohol	0.93840	0.93965	0.93965	0.010	-0.13335	40.00000	Averaged
20 bis(2-Chloroisopropyl)ether	1.63859	1.60041	1.60041	0.010	2.32994	40.00000	Averaged
21 2-Methylphenol	1.31952	1.28334	1.28334	0.010	2.74166	40.00000	Averaged
22 Acetophenone	1.93621	1.87854	1.87854	0.010	2.97863	40.00000	Averaged
23 N-Nitroso-di-n-propylamine	0.99753	0.98293	0.98293	0.050	1.46351	40.00000	Averaged
24 N-Nitrosopyrrolidine	0.69144	0.71045	0.71045	0.010	-2.74789	40.00000	Averaged
25 3-(and/or 4-)Methylphenol	1.40837	1.38563	1.38563	0.010	1.61490	40.00000	Averaged
27 o-Toluidine	2.17627	2.16366	2.16366	0.010	0.57946	40.00000	Averaged
28 Hexachloroethane	0.58735	0.56248	0.56248	0.010	4.23381	40.00000	Averaged
30 Nitrobenzene	0.39394	0.37955	0.37955	0.010	3.65094	40.00000	Averaged
31 N-Nitrosopiperidine	0.17962	0.17246	0.17246	0.010	3.99013	40.00000	Averaged
32 Isophorone	0.68785	0.65617	0.65617	0.010	4.60521	40.00000	Averaged
33 2-Nitrophenol	0.20244	0.20008	0.20008	0.010	1.16745	20.00000	Averaged
34 2,4-Dimethyphenol	0.38446	0.36793	0.36793	0.010	4.29893	40.00000	Averaged
35 Bis(2-chloroethoxy)methane	0.39520	0.37932	0.37932	0.010	4.01795	40.00000	Averaged
36 2,4-Dichlorophenol	0.29225	0.28416	0.28416	0.010	2.80381	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.32523	0.31118	0.31118	0.010	4.32100	40.00000	Averaged
39 Benzoic Acid	75.00000	78.87622	0.08949	0.010	-5.16829	40.00000	Wt Linear
41 Naphthalene	1.05719	1.01558	1.01558	0.010	3.93592	40.00000	Averaged
42 4-Chloroaniline	0.43503	0.42751	0.42751	0.010	1.72926	40.00000	Averaged
43 2,6-Dichlorophenol	0.28998	0.27901	0.27901	0.010	3.78463	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 5
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N061202.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

Injection Date: 12-JUN-2007 08:04
Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Init. Cal. Times: 12:44 11:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
44 Hexachloropropene	0.19481	0.19983	0.19983	0.010	-2.57735	40.00000	Averaged
45 Hexachlorobutadiene	0.19173	0.18114	0.18114	0.010	5.52657	20.00000	Averaged
46 N-Nitroso-di-n-butylamine	0.23626	0.22828	0.22828	0.010	3.37593	40.00000	Averaged
47 4-Chloro-3-Methylphenol	0.32322	0.31117	0.31117	0.010	3.72862	20.00000	Averaged
48 Safrole	0.27414	0.26518	0.26518	0.010	3.27045	40.00000	Averaged
49 2-Methylnaphthalene	0.69583	0.67383	0.67383	0.010	3.16124	40.00000	Averaged
50 Hexachlorocyclopentadiene	75.00000	66.94514	0.09964	0.050	10.73981	40.00000	Quadratic
51 1,2,4,5-Tetrachlorobenzene	0.56213	0.55394	0.55394	0.010	1.45659	40.00000	Averaged
52 2,4,6-Trichlorophenol	0.34490	0.34540	0.34540	0.010	-0.14436	20.00000	Averaged
53 2,4,5-Trichlorphenol	0.36919	0.36554	0.36554	0.010	0.98848	40.00000	Averaged
55 2-Chloronaphthalene	0.45640	0.44586	0.44586	0.010	2.30796	40.00000	Averaged
56 Isosafrole	0.47937	0.45404	0.45404	0.010	5.28381	40.00000	Averaged
57 2-Nitroaniline	0.35382	0.34503	0.34503	0.010	2.48550	40.00000	Averaged
58 1,4-Naphthoquinone	0.42717	0.41948	0.41948	0.010	1.79856	40.00000	Averaged
59 Dimethylphthalate	1.26645	1.21433	1.21433	0.010	4.11517	40.00000	Averaged
60 2,6-Dinitrotoluene	0.30617	0.29942	0.29942	0.010	2.20593	40.00000	Averaged
61 1,3-Dinitrobenzene	0.22977	0.22568	0.22568	0.010	1.77890	40.00000	Averaged
62 Acenaphthylene	1.89587	1.84480	1.84480	0.010	2.69372	40.00000	Averaged
63 3-Nitroaniline	0.33814	0.33411	0.33411	0.010	1.19197	40.00000	Averaged
65 Acenaphthene	1.13489	1.09542	1.09542	0.010	3.47728	20.00000	Averaged
66 2,4-Dinitrophenol	75.00000	76.03683	0.14743	0.050	-1.38244	40.00000	Wt Linear
67 Dibenzofuran	1.58794	1.52820	1.52820	0.010	3.76225	40.00000	Averaged
68 4-Nitrophenol	0.15213	0.14128	0.14128	0.050	7.13323	40.00000	Averaged
69 Pentachlorobenzene	0.46479	0.45351	0.45351	0.010	2.42658	40.00000	Averaged
70 2,4-Dinitrotoluene	0.40329	0.39509	0.39509	0.010	2.03270	40.00000	Averaged
72 2,3,4,6-tetrachlorophenol	0.27834	0.28726	0.28726	0.010	-3.20471	40.00000	Averaged
74 Diethylphthalate	1.24090	1.19192	1.19192	0.010	3.94717	40.00000	Averaged
75 4-Chlorophenyl-phenylether	0.61714	0.58662	0.58662	0.010	4.94537	40.00000	Averaged
76 Fluorene	1.23083	1.18323	1.18323	0.010	3.86682	40.00000	Averaged
77 5-Nitro-o-toluidine	0.38576	0.37790	0.37790	0.010	2.03775	40.00000	Averaged
78 4,6-Dinitro-2-methylphenol	75.00000	76.11002	0.12471	0.010	-1.48003	40.00000	Wt Linear
79 4-Nitroaniline	0.32679	0.33057	0.33057	0.010	-1.15648	40.00000	Averaged
80 N-Nitrosodiphenylamine/DPA	1.12837	1.08257	1.08257	0.010	4.05853	20.00000	Averaged
81 Azobenzene	0.72324	0.75864	0.75864	0.010	-4.89400	40.00000	Averaged
83 Diallate #1	++++	0.11096	0.11096	0.010	++++	40.00000	Averaged <-
84 4-Bromophenyl-phenylether	0.20333	0.19581	0.19581	0.010	3.69601	40.00000	Averaged
85 Phenacetin	0.35030	0.34747	0.34747	0.010	0.80655	40.00000	Averaged
86 Diallate #2	++++	0.02404	0.02404	0.010	++++	40.00000	Averaged <-
87 Hexachlorobenzene	0.20097	0.19721	0.19721	0.010	1.86729	40.00000	Averaged
88 1,3,5-Trinitrobenzene	0.16886	0.17836	0.17836	0.010	-5.62438	40.00000	Averaged
90 Pentachlorophenol	75.00000	84.86650	0.08851	0.010	-13.15534	20.00000	Wt Linear
91 Pronamide	0.30054	0.29175	0.29175	0.010	2.92484	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 6
Report Date: 14-Jun-2007 15:11

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:04
Lab File ID: N061202.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
92 Pentachloronitrobenzene	0.03793	0.03729	0.03729	0.010	1.68790	40.00000	Averaged
94 Phenanthrene	1 02416	0.99685	0.99685	0 010	2.66691	40.00000	Averaged
95 Anthracene	1.02390	0 98465	0.98465	0.010	3.83401	40.00000	Averaged
96 Dinoseb	75.00000	76.63172	0.17248	0.010	-2.17563	40.00000	Wt Linear
97 Carbazole	0.97237	0 95516	0.95516	0.010	1.76989	40.00000	Averaged
98 Di-n-Butylphthalate	1.12403	1.07658	1.07658	0.010	4.22140	40.00000	Averaged
101 Isodrin	0.11249	0.10418	0.10418	0.010	7.39015	40.00000	Averaged
102 Fluoranthene	1.12601	1.09601	1.09601	0.010	2.66413	20.00000	Averaged
103 Benzidine	0.52556	0.62557	0.62557	0.010	-19.02956	40.00000	Averaged
104 Pyrene	1.29495	1.14474	1.14474	0.010	11.59994	40.00000	Averaged
106 4-Dimethylaminoazobenzene	0.33843	0.30692	0.30692	0.010	9.30981	40.00000	Averaged
107 Chlorobenzilate	0.35653	0.32340	0.32340	0.010	9.29388	40.00000	Averaged
109 3,3'-Dimethylbenzidine	0.68808	0.66552	0.66552	0.010	3.27883	40.00000	Averaged
110 Butylbenzylphthalate	0.55609	0.50119	0.50119	0.010	9.87261	40.00000	Averaged
111 2-Acetylaminofluorene	0.49555	0.50497	0.50497	0.010	-1.90162	40.00000	Averaged
112 3,3'-Dichlorobenzidine	0.42330	0.40640	0.40640	0.010	3.99272	40.00000	Averaged
113 Benzo(a)anthracene	1.16704	1.06663	1.06663	0.010	8.60395	40.00000	Averaged
115 bis(2-Ethylhexyl)phthalate	0.73358	0.67694	0.67694	0.010	7.72018	40.00000	Averaged
116 Chrysene	1.08010	1.04898	1.04898	0.010	2.88096	40.00000	Averaged
117 Di-n-octylphthalate	1.33302	1.17478	1.17478	0.010	11.87099	20.00000	Averaged
118 7,12-Dimethylbenz(a)anthrac	0.53553	0.48803	0.48803	0.010	8.87043	40.00000	Averaged
119 Benzo(b)fluoranthene	1.32446	1.24132	1.24132	0.010	6.27728	40.00000	Averaged
120 Benzo(k)fluoranthene	1.36758	1.32660	1.32660	0.010	2.99641	40.00000	Averaged
121 Benzo(a)pyrene	1.18942	1.11912	1.11912	0.010	5.91063	20.00000	Averaged
123 3-MethylCholanthrene	0.56949	0.54622	0.54622	0.010	4.08665	40.00000	Averaged
125 Indeno(1,2,3-cd)pyrene	1.29410	1.19518	1.19518	0.010	7.64434	40.00000	Averaged
126 Dibenz(a,h)anthracene	1.05260	0.97806	0.97806	0.010	7.08176	40.00000	Averaged
127 Benzo(g,h,i)perylene	1.07711	1.03653	1.03653	0.010	3.76768	40.00000	Averaged
M 176 Diallate (total)	0.14087	0.13501	0.13501	0.010	4.16258	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 1
Report Date: 13-Jun-2007 07:33

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 12-JUN-2007 08:56
Lab File ID: N061203.D Init. Cal. Date(s): 31-MAY-2007 31-MAY-2007
Analysis Type: Init. Cal. Times: 12:44 19:49
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.m

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
26 N-Nitrosomorpholine	0.77804	0.80358	0.80358	0.010	-3.28179	40.00000	Averaged	
37 a,a-Dimethylphenethylamine	0.66788	0.66736	0.66736	0.010	0.07758	40.00000	Averaged	
71 1-Naphthylamine	1.08722	1.06729	1.06729	0.010	1.83400	40.00000	Averaged	
73 2-Naphthylamine	1.08326	0.98754	0.98754	0.010	8.83649	40.00000	Averaged	
89 4-Aminobiphenyl	0.75205	0.71883	0.71883	0.010	4.41746	40.00000	Averaged	
99 4-Nitroquinoline-1-oxide	75.00000	55.01671	0.01872	0.010	26.64439	40.00000	Linear	
100 Methapyrilene	75.00000	63.59265	0.23252	0.010	15.20980	40.00000	Quadratic	
130 N,N-Dimethylformamide	0.90333	0.92613	0.92613	0.010	-2.52394	40.00000	Averaged	
131 Propyl cellosolve	1.26615	1.31740	1.31740	0.010	-4.04776	40.00000	Averaged	
132 Acrylamide	0.35065	0.38459	0.38459	0.010	-9.67885	40.00000	Averaged	
136 o,o,o-Triethylphosphorothio	0.17182	0.16460	0.16460	0.010	4.20259	40.00000	Averaged	
142 p-Phenylenediamine	75.00000	71.23525	0.33001	0.010	5.01966	40.00000	Quadratic	
143 1-Methylnaphthalene	0.61124	0.59835	0.59835	0.010	2.10837	40.00000	Averaged	
146 Biphenyl	1.33818	1.30373	1.30373	0.010	2.57422	40.00000	Averaged	
149 Diphenyl ether	0.74505	0.73716	0.73716	0.010	1.05916	40.00000	Averaged	
150 1,4-Dinitrobenzene	0.17817	0.18404	0.18404	0.010	-3.29553	40.00000	Averaged	
151 Dimethyl terephthalate	0.21361	0.21969	0.21969	0.010	-2.84663	40.00000	Averaged	
153 2,3,5,6-Tetrachlorophenol	75.00000	80.28489	0.25892	0.010	-7.04652	40.00000	Wt Linear	
154 Thionazin	0.23899	0.24770	0.24770	0.010	-3.64516	40.00000	Averaged	
155 Sulfotepp	0.10219	0.09946	0.09946	0.010	2.67377	40.00000	Averaged	
156 Phorate	0.36926	0.35903	0.35903	0.010	2.77139	40.00000	Averaged	
157 Dimethoate	0.20398	0.19027	0.19027	0.010	6.72017	40.00000	Averaged	
158 Disulfoton	0.30712	0.30031	0.30031	0.010	2.21749	40.00000	Averaged	
159 Methyl parathion	0.17344	0.16440	0.16440	0.010	5.21186	40.00000	Averaged	
160 Parathion	0.12781	0.12539	0.12539	0.010	1.89498	40.00000	Averaged	
161 Aramite #1	++++	0.04878	0.04878	0.010	++++	40.00000	Averaged	<-
162 Aramite #2	++++	0.08488	0.08488	0.010	++++	40.00000	Averaged	<-
163 Famphur	0.01072	0.02754	0.02754	0.010	-157	40.00000	Averaged	<-
164 4,4-Methylenebis(2-chloroa	0.09936	0.09750	0.09750	0.010	1.87219	40.00000	Averaged	
167 Dibenz(a,j)acridine	0.84778	0.91167	0.91167	0.010	-7.53615	40.00000	Averaged	
173 1-Methyl-2-pyrrolidone	0.82472	0.82785	0.82785	0.010	-0.37961	40.00000	Averaged	
M 177 Aramite (total)	0.13778	0.13366	0.13366	0.010	2.98972	40.00000	Averaged	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	156680	7.16	612404	9.16	337330	11.96
	UPPER LIMIT	313360	7.66	1224808	9.66	674660	12.46
	LOWER LIMIT	78340	6.66	306202	8.66	168665	11.46
	CLIENT SAMPLE NO.						
01	CAP 050	114357	7.16	434147	9.15	245961	11.95
02	I7F060000-50	123413	7.16	480177	9.15	273922	11.95
03	I7F060000-50	120291	7.17	467622	9.16	262661	11.96
04	OMW27B	120370	7.16	466951	9.15	269822	11.95
05	I7F050254-01	115610	7.17	451619	9.16	256754	11.96
06	I7F050254-01	118224	7.17	465203	9.16	265247	11.96
07	OUTFALL 003	111602	7.16	433826	9.15	248014	11.95
08	I7F050254-03	110054	7.16	429276	9.15	247462	11.95
09	MW28A	116707	7.16	451209	9.15	259619	11.95
10	MW29	121613	7.24	430469	9.19	264464	11.97
11	I7F110000-41	111358	7.16	429570	9.15	244930	11.95
12	I7F110000-41	113065	7.17	432116	9.16	245003	11.96
13	I7F110000-41	110486	7.17	427326	9.16	239242	11.96
14	OP1 USED OIL	121299	7.16	467773	9.15	266188	11.96
15	OP1 A USED O	121063	7.16	468599	9.15	263461	11.96
16	OP4 USED OIL	122417	7.16	480241	9.15	269430	11.96
17	C12 USED OIL	120526	7.16	469654	9.15	265039	11.96
18	C:12 COD TOP	121934	7.17	478469	9.15	269829	11.95
19	I7F060000-50	105867	7.16	414130	9.15	233676	11.95
20	I7F060000-50	115856	7.17	457258	9.16	254776	11.96
21	I7F060000-50	113566	7.17	446034	9.16	246547	11.96
22	OUTFALL 002	114001	7.16	444861	9.15	254059	11.95

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	156680	7.16	612404	9.16	337330	11.96
	UPPER LIMIT	313360	7.66	1224808	9.66	674660	12.46
	LOWER LIMIT	78340	6.66	306202	8.66	168665	11.46
	CLIENT SAMPLE NO.						
01	OUTFALL 003	109644	7.16	427188	9.15	242750	11.95
02	OUTFALL 002	109296	7.16	327424	9.15	242165	11.95
03	OUTFALL 003	110419	7.16	429785	9.15	245532	11.95
04	OUTFALL 001(	109981	7.17	342670	9.15	241893	11.95
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	604298	14.30	596239	18.55	590055	20.70
	UPPER LIMIT	1208596	14.80	1192478	19.05	1180110	21.20
	LOWER LIMIT	302149	13.80	298120	18.05	295028	20.20
	CLIENT SAMPLE NO.						
01	CAP_050	423070	14.29	413983	18.54	383072	20.68
02	I7F060000-50	474770	14.29	468590	18.54	437367	20.69
03	I7F060000-50	463708	14.29	443394	18.55	425531	20.69
04	OMW27B	463290	14.29	452160	18.54	432361	20.68
05	I7F050254-01	447883	14.29	429624	18.55	419884	20.69
06	I7F050254-01	464015	14.29	443463	18.55	435539	20.69
07	OUTFALL 003	425524	14.29	405778	18.54	386505	20.69
08	I7F050254-03	419695	14.29	409689	18.54	381302	20.69
09	MW28A	442139	14.29	443644	18.54	414411	20.69
10	MW29	479662	14.31	483210	18.56	453868	20.69
11	I7F110000-41	418938	14.29	414671	18.54	381194	20.69
12	I7F110000-41	430363	14.30	408718	18.55	386259	20.69
13	I7F110000-41	418091	14.30	404891	18.55	377977	20.69
14	OP1 USED OIL	450947	14.29	460420	18.54	443522	20.69
15	OP1 A USED O	454404	14.29	447553	18.54	441215	20.69
16	OP4 USED OIL	456061	14.29	446572	18.54	438397	20.69
17	C12 USED OIL	446289	14.29	440490	18.54	440322	20.69
18	C:12 COD TOP	455874	14.29	447669	18.54	422749	20.69
19	I7F060000-50	400463	14.29	392883	18.54	371228	20.68
20	I7F060000-50	451656	14.30	437932	18.55	422759	20.69
21	I7F060000-50	437032	14.30	424446	18.55	410566	20.69
22	OUTFALL 002	435840	14.29	426964	18.54	408215	20.69

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID (Standard): N061202 Date Analyzed: 06/12/07

Instrument ID: MSN1 Time Analyzed: 0804

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	604298	14.30	596239	18.55	590055	20.70
	UPPER LIMIT	1208596	14.80	1192478	19.05	1180110	21.20
	LOWER LIMIT	302149	13.80	298120	18.05	295028	20.20
	CLIENT SAMPLE NO.						
01	OUTFALL 003	414738	14.29	404369	18.54	380905	20.68
02	OUTFALL 002	419698	14.29	407183	18.54	377043	20.69
03	OUTFALL 003	418048	14.29	412353	18.54	386647	20.69
04	OUTFALL 001(	415717	14.29	406290	18.54	381713	20.69
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061307.B

Lab File ID: N061301 DFTPP Injection Date: 06/13/07

Instrument ID: MSN1 DFTPP Injection Time: 1356

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.0
365	Greater than 1.0% of mass 198	3.08
441	Present, but less than mass 443	12.5
442	Greater than 40.0% of mass 198	86.4
443	17.0 - 23.0% of mass 442	16.8 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N061302	06/13/07	1415
02	APPIX_075	CCALIB_4	N061303	06/13/07	1444
03	CAP_075	CCALIB_4	N061304	06/13/07	1513
04	I7F110000-19	J0PP41AAB	N061305	06/13/07	1542
05	I7F110000-19	J0PP41ACC	N061306	06/13/07	1611
06	MW-8	J0GAV1AC	N061307	06/13/07	1640
07	I7F070118-00	J0GAV1ADS	N061308	06/13/07	1709
08	I7F070118-00	J0GAV1AED	N061309	06/13/07	1738
09	MW29	J0DTN1AF	N061310	06/13/07	1807
10	MW-9	J0GA41AC	N061311	06/13/07	1836
11	MW-10	J0GA51AC	N061312	06/13/07	1905
12	MW-11	J0GA61AC	N061313	06/13/07	1933
13	MW-9	J0M811AC	N061314	06/13/07	2002
14	MW-10	J0M831AC	N061315	06/13/07	2031
15	I7F110000-19	J0PPR1AAB	N061316	06/13/07	2100
16	I7F110000-19	J0PPR1ACC	N061317	06/13/07	2129
17	I7F110000-19	J0PPR1ADL	N061318	06/13/07	2158
18	MWB-4	J0GWA1AC	N061319	06/13/07	2227
19	FD-4	J0GWF1AC	N061320	06/13/07	2256
20	MW-1	J0HRE1AL	N061321	06/13/07	2325
21	MW-6	J0HRK1AL	N061322	06/13/07	2354
22	MW-14	J0HRL1AL	N061323	06/14/07	0022

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061307.B

Lab File ID: N061301 DFTPP Injection Date: 06/13/07

Instrument ID: MSN1 DFTPP Injection Time: 1356

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.0
365	Greater than 1.0% of mass 198	3.08
441	Present, but less than mass 443	12.5
442	Greater than 40.0% of mass 198	86.4
443	17.0 - 23.0% of mass 442	16.8 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	C12 USED OIL	JX35Q1AC	N061324	06/14/07	0051
02	C:12 COD TOP	J0QDM1AC	N061325	06/14/07	0120
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 4
Report Date: 14-Jun-2007 07:16

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 13-JUN-2007 14:15
Lab File ID: N061302.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 6 2-Fluorophenol	1.40444	1.35185	1.35185	0.010	3.74449	40.00000	Averaged
$ 12 Phenol-d5	1.70666	1.67599	1.67599	0.010	1.79712	40.00000	Averaged
$ 82 2,4,6-Tribromophenol	0.08564	0.08471	0.08471	0.010	1.08795	40.00000	Averaged
$ 29 Nitrobenzene-d5	0.37878	0.36650	0.36650	0.010	3.24320	40.00000	Averaged
$ 54 2-Fluorobiphenyl	1.33819	1.26888	1.26888	0.010	5.17924	40.00000	Averaged
$ 105 Terphenyl-d14	0.82931	0.74026	0.74026	0.010	10.73756	40.00000	Averaged
1 Pyridine	1.37796	1.45246	1.45246	0.010	-5.40624	40.00000	Averaged
2 N-Nitrosodimethylamine	0.79763	0.77522	0.77522	0.010	2.80894	40.00000	Averaged
3 2-Picoline	1.58578	1.56842	1.56842	0.010	1.09517	40.00000	Averaged
4 N-Nitrosomethylethylamine	0.73020	0.69673	0.69673	0.010	4.58312	40.00000	Averaged
5 Methyl methanesulfonate	0.79113	0.78020	0.78020	0.010	1.38178	40.00000	Averaged
7 N-Nitrosodiethylamine	0.70812	0.67834	0.67834	0.010	4.20437	40.00000	Averaged
8 Ethyl methanesulfonate	1.05232	1.01450	1.01450	0.010	3.59427	40.00000	Averaged
9 Pentachloroethane	0.49337	0.48038	0.48038	0.010	2.63312	40.00000	Averaged
10 Aniline	2.16066	2.13914	2.13914	0.010	0.99576	40.00000	Averaged
11 bis(2-Chloroethyl)ether	1.41491	1.32603	1.32603	0.010	6.28124	40.00000	Averaged
13 Phenol	2.02229	1.86159	1.86159	0.010	7.94645	20.00000	Averaged
14 2-Chlorophenol	1.50814	1.43870	1.43870	0.010	4.60414	40.00000	Averaged
15 1,3-Dichlorobenzene	1.58474	1.53381	1.53381	0.010	3.21385	40.00000	Averaged
16 1,4-Dichlorobenzene	1.64268	1.55932	1.55932	0.010	5.07481	20.00000	Averaged
18 1,2-Dichlorobenzene	1.52489	1.46495	1.46495	0.010	3.93051	40.00000	Averaged
19 Benzyl Alcohol	0.93840	0.92888	0.92888	0.010	1.01482	40.00000	Averaged
20 bis(2-Chloroisopropyl)ether	1.63859	1.60858	1.60858	0.010	1.83117	40.00000	Averaged
21 2-Methylphenol	1.31952	1.27882	1.27882	0.010	3.08450	40.00000	Averaged
22 Acetophenone	1.93621	1.86208	1.86208	0.010	3.82893	40.00000	Averaged
23 N-Nitroso-di-n-propylamine	0.99753	1.00201	1.00201	0.050	-0.44865	40.00000	Averaged
24 N-Nitrosopyrrolidine	0.69144	0.69322	0.69322	0.010	-0.25643	40.00000	Averaged
25 3-(and/or 4-)Methylphenol	1.40837	1.39490	1.39490	0.010	0.95673	40.00000	Averaged
27 o-Toluidine	2.17627	2.09870	2.09870	0.010	3.56403	40.00000	Averaged
28 Hexachloroethane	0.58735	0.57024	0.57024	0.010	2.91190	40.00000	Averaged
30 Nitrobenzene	0.39394	0.38102	0.38102	0.010	3.27925	40.00000	Averaged
31 N-Nitrosopiperidine	0.17962	0.17032	0.17032	0.010	5.17792	40.00000	Averaged
32 Isophorone	0.68785	0.65270	0.65270	0.010	5.10899	40.00000	Averaged
33 2-Nitrophenol	0.20244	0.19924	0.19924	0.010	1.58161	20.00000	Averaged
34 2,4-Dimethyphenol	0.38446	0.36997	0.36997	0.010	3.76840	40.00000	Averaged
35 Bis(2-chloroethoxy)methane	0.39520	0.37497	0.37497	0.010	5.11854	40.00000	Averaged
36 2,4-Dichlorophenol	0.29235	0.28362	0.28362	0.010	2.98621	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.32523	0.31099	0.31099	0.010	4.38067	40.00000	Averaged
39 Benzoic Acid	75.00000	71.89004	0.08004	0.010	4.14661	40.00000	Wt Linear
41 Naphthalene	1.05719	1.01492	1.01492	0.010	3.99844	40.00000	Averaged
42 4-Chloroaniline	0.43503	0.41997	0.41997	0.010	3.46259	40.00000	Averaged
43 2,6-Dichlorophenol	0.28998	0.27942	0.27942	0.010	3.64151	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 5
Report Date: 14-Jun-2007 07:16

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N061302.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M

Injection Date: 13-JUN-2007 14:15
Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Init. Cal. Times: 12:44 11:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
44 Hexachloropropene	0.19481	0.20013	0.20013	0.010	-2.73026	40.00000	Averaged
45 Hexachlorobutadiene	0.19173	0.18173	0.18173	0.010	5.21956	20.00000	Averaged
46 N-Nitroso-di-n-butylamine	0.23626	0.22679	0.22679	0.010	4.00709	40.00000	Averaged
47 4-Chloro-3-Methylphenol	0.32322	0.31452	0.31452	0.010	2.69111	20.00000	Averaged
48 Safrole	0.27414	0.26019	0.26019	0.010	5.08948	40.00000	Averaged
49 2-Methylnaphthalene	0.69583	0.67350	0.67350	0.010	3.20822	40.00000	Averaged
50 Hexachlorocyclopentadiene	75.00000	56.33080	0.07582	0.050	24.89226	40.00000	Quadratic
51 1,2,4,5-Tetrachlorobenzene	0.56213	0.53492	0.53492	0.010	4.84067	40.00000	Averaged
52 2,4,6-Trichlorophenol	0.34490	0.32967	0.32967	0.010	4.41401	20.00000	Averaged
53 2,4,5-Trichlorphenol	0.36919	0.35731	0.35731	0.010	3.21701	40.00000	Averaged
55 2-Chloronaphthalene	0.45640	0.43443	0.43443	0.010	4.81207	40.00000	Averaged
56 Isosafrole	0.47937	0.45342	0.45342	0.010	5.41244	40.00000	Averaged
57 2-Nitroaniline	0.35382	0.34097	0.34097	0.010	3.63059	40.00000	Averaged
58 1,4-Naphthoquinone	0.42717	0.41075	0.41075	0.010	3.84353	40.00000	Averaged
59 Dimethylphthalate	1.26645	1.18251	1.18251	0.010	6.62798	40.00000	Averaged
60 2,6-Dinitrotoluene	0.30617	0.29092	0.29092	0.010	4.98169	40.00000	Averaged
61 1,3-Dinitrobenzene	0.22977	0.22047	0.22047	0.010	4.04826	40.00000	Averaged
62 Acenaphthylene	1.89587	1.81595	1.81595	0.010	4.21525	40.00000	Averaged
63 3-Nitroaniline	0.33814	0.33123	0.33123	0.010	2.04278	40.00000	Averaged
65 Acenaphthene	1.13489	1.08735	1.08735	0.010	4.18851	20.00000	Averaged
66 2,4-Dinitrophenol	75.00000	75.80377	0.14687	0.050	-1.07169	40.00000	Wt Linear
67 Dibenzofuran	1.58794	1.50729	1.50729	0.010	5.07890	40.00000	Averaged
68 4-Nitrophenol	0.15213	0.12847	0.12847	0.050	15.54991	40.00000	Averaged
69 Pentachlorobenzene	0.46479	0.44815	0.44815	0.010	3.57899	40.00000	Averaged
70 2,4-Dinitrotoluene	0.40329	0.39029	0.39029	0.010	3.22424	40.00000	Averaged
72 2,3,4,6-tetrachlorophenol	0.27834	0.27240	0.27240	0.010	2.13484	40.00000	Averaged
74 Diethylphthalate	1.24090	1.17628	1.17628	0.010	5.20725	40.00000	Averaged
75 4-Chlorophenyl-phenylether	0.61714	0.58095	0.58095	0.010	5.86389	40.00000	Averaged
76 Fluorene	1.23083	1.18342	1.18342	0.010	3.85160	40.00000	Averaged
77 5-Nitro-o-toluidine	0.38576	0.37007	0.37007	0.010	4.06614	40.00000	Averaged
78 4,6-Dinitro-2-methylphenol	75.00000	79.12788	0.12987	0.010	-5.50384	40.00000	Wt Linear
79 4-Nitroaniline	0.32679	0.32184	0.32184	0.010	1.51416	40.00000	Averaged
80 N-Nitrosodiphenylamine/DPA	1.12837	1.07957	1.07957	0.010	4.32429	20.00000	Averaged
81 Azobenzene	0.72324	0.66774	0.66774	0.010	7.67426	40.00000	Averaged
83 Diallate #1	++++	0.10834	0.10834	0.010	++++	40.00000	Averaged <-
84 4-Bromophenyl-phenylether	0.20333	0.19185	0.19185	0.010	5.64437	40.00000	Averaged
85 Phenacetin	0.35030	0.34797	0.34797	0.010	0.66432	40.00000	Averaged
86 Diallate #2	++++	0.02379	0.02379	0.010	++++	40.00000	Averaged <-
87 Hexachlorobenzene	0.20097	0.19175	0.19175	0.010	4.58536	40.00000	Averaged
88 1,3,5-Trinitrobenzene	0.16886	0.17734	0.17734	0.010	-5.02358	40.00000	Averaged
90 Pentachlorophenol	75.00000	75.45722	0.07759	0.010	-0.60963	20.00000	Wt Linear
91 Pronamide	0.30054	0.28980	0.28980	0.010	3.57561	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 6
Report Date: 14-Jun-2007 07:16

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i
Lab File ID: N061302.D
Analysis Type:
Lab Sample ID: Ccalib_4
Method: \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M

Injection Date: 13-JUN-2007 14:15
Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Init. Cal. Times: 12:44 11:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
92 Pentachloronitrobenzene	0.03793	0.03645	0.03645	0.010	3.90587	40.00000	Averaged
94 Phenanthrene	1.02416	0.97422	0.97422	0.010	4.87598	40.00000	Averaged
95 Anthracene	1.02390	0.99581	0.99581	0.010	2.74426	40.00000	Averaged
96 Dinoseb	75.00000	78.74302	0.17744	0.010	-4.99069	40.00000	Wt Linear
97 Carbazole	0.97237	0.94170	0.94170	0.010	3.15367	40.00000	Averaged
98 Di-n-Butylphthalate	1.12403	1.07185	1.07185	0.010	4.64215	40.00000	Averaged
101 Isodrin	0.11249	0.10794	0.10794	0.010	4.04278	40.00000	Averaged
102 Fluoranthene	1.12601	1.08454	1.08454	0.010	3.68284	20.00000	Averaged
103 Benzidine	0.52556	0.58155	0.58155	0.010	-10.65454	40.00000	Averaged
104 Pyrene	1.29495	1.15047	1.15047	0.010	11.15756	40.00000	Averaged
106 4-Dimethylaminoazobenzene	0.33843	0.30384	0.30384	0.010	10.21979	40.00000	Averaged
107 Chlorobenzilate	0.35653	0.31738	0.31738	0.010	10.97999	40.00000	Averaged
109 3,3'-Dimethylbenzidine	0.68808	0.57461	0.57461	0.010	16.49079	40.00000	Averaged
110 Butylbenzylphthalate	0.55609	0.49371	0.49371	0.010	11.21767	40.00000	Averaged
111 2-Acetylaminofluorene	0.49555	0.50559	0.50559	0.010	-2.02671	40.00000	Averaged
112 3,3'-Dichlorobenzidine	0.42330	0.40883	0.40883	0.010	3.41858	40.00000	Averaged
113 Benzo(a)anthracene	1.16704	1.07960	1.07960	0.010	7.49208	40.00000	Averaged
115 bis(2-Ethylhexyl)phthalate	0.73358	0.66099	0.66099	0.010	9.89493	40.00000	Averaged
116 Chrysene	1.08010	1.05659	1.05659	0.010	2.17643	40.00000	Averaged
117 Di-n-octylphthalate	1.33302	1.11829	1.11829	0.010	16.10909	20.00000	Averaged
118 7,12-Dimethylbenz(a)anthrac	0.53553	0.49063	0.49063	0.010	8.38458	40.00000	Averaged
119 Benzo(b)fluoranthene	1.32446	1.18360	1.18360	0.010	10.63522	40.00000	Averaged
120 Benzo(k)fluoranthene	1.36758	1.25662	1.25662	0.010	8.11347	40.00000	Averaged
121 Benzo(a)pyrene	1.18942	1.10777	1.10777	0.010	6.86451	20.00000	Averaged
123 3-MethylCholanthrene	0.56949	0.54018	0.54018	0.010	5.14583	40.00000	Averaged
125 Indeno(1,2,3-cd)pyrene	1.29410	1.20271	1.20271	0.010	7.06178	40.00000	Averaged
126 Dibenz(a,h)anthracene	1.05260	0.99024	0.99024	0.010	5.92508	40.00000	Averaged
127 Benzo(g,h,i)perylene	1.07711	1.04132	1.04132	0.010	3.32269	40.00000	Averaged
M 176 Diallate (total)	0.14087	0.13213	0.13213	0.010	6.20510	40.00000	Averaged

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061303.D Page 3
Report Date: 14-Jun-2007 07:16

STL Austin

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSN1.i Injection Date: 13-JUN-2007 14:44
Lab File ID: N061303.D Init. Cal. Date(s): 31-MAY-2007 12-JUN-2007
Analysis Type: Init. Cal. Times: 12:44 11:54
Lab Sample ID: Ccalib_4 Quant Type: ISTD
Method: \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M

COMPOUND	RRF / AMOUNT	RF75	CCAL RRF75	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
26 N-Nitrosomorpholine	0.77804	0.80148	0.80148	0.010	-3.01231	40.00000	Averaged	
37 a,a-Dimethylphenethylamine	0.66788	0.63247	0.63247	0.010	5.30171	40.00000	Averaged	
71 1-Naphthylamine	1.08722	1.06662	1.06662	0.010	1.89545	40.00000	Averaged	
73 2-Naphthylamine	1 08326	0.98235	0.98235	0.010	9.31526	40.00000	Averaged	
89 4-Aminobiphenyl	0.75205	0.72823	0.72823	0.010	3.16699	40.00000	Averaged	
99 4-Nitroquinoline-1-oxide	75.00000	58.63272	0.02048	0.010	21.82304	40.00000	Linear	
100 Methapyrilene	75.00000	69.33222	0.24761	0.010	7.55704	40.00000	Quadratic	
130 N,N-Dimethylformamide	0.90333	0.90336	0.90336	0.010	-0.00390	40.00000	Averaged	
131 Propyl cellosolve	1 26615	1.28856	1.28856	0.010	-1.76998	40.00000	Averaged	
132 Acrylamide	0.35065	0.38715	0.38715	0.010	-10.40921	40.00000	Averaged	
136 o,o,o-Triethylphosphorothio	0.17182	0.16171	0.16171	0.010	5.88610	40.00000	Averaged	
142 p-Phenylenediamine	75.00000	72.74039	0.33589	0.010	3.01282	40.00000	Quadratic	
143 1-Methylnaphthalene	0.61124	0.59452	0.59452	0.010	2.73516	40.00000	Averaged	
146 Biphenyl	1.33818	1.28902	1.28902	0.010	3.67339	40.00000	Averaged	
149 Diphenyl ether	0.74505	0.73095	0.73095	0.010	1.89305	40.00000	Averaged	
150 1,4-Dinitrobenzene	0.17817	0.18550	0.18550	0.010	-4.11348	40.00000	Averaged	
151 Dimethyl terephthalate	0.21361	0.21822	0.21822	0.010	-2.16163	40.00000	Averaged	
153 2,3,5,6-Tetrachlorophenol	75.00000	78.54353	0.25297	0.010	-4.72470	40.00000	Wt Linear	
154 Thionazin	0.23899	0.24329	0.24329	0.010	-1.79746	40.00000	Averaged	
155 Sulfotepp	0.10219	0.10002	0.10002	0.010	2.13076	40.00000	Averaged	
156 Phorate	0.36926	0.36151	0.36151	0.010	2.09889	40.00000	Averaged	
157 Dimethoate	0.20398	0.19916	0.19916	0.010	2.36300	40.00000	Averaged	
158 Disulfoton	0.30712	0.30206	0.30206	0.010	1.64716	40.00000	Averaged	
159 Methyl parathion	0.17344	0.17289	0.17289	0.010	0.31793	40.00000	Averaged	
160 Parathion	0.12781	0.12647	0.12647	0.010	1.04778	40.00000	Averaged	
161 Aramite #1	++++	0.04625	0.04625	0.010	++++	40.00000	Averaged	<-
162 Aramite #2	++++	0.08144	0.08144	0.010	++++	40.00000	Averaged	<-
163 Famphur	0.01072	0.02350	0.02350	0.010	-119	40.00000	Averaged	<-
164 4,4-Methylenebis(2-chloroa	0.09936	0.09603	0.09603	0.010	3.35908	40.00000	Averaged	
167 Dibenz(a,j)acridine	0.84778	0.89933	0.89933	0.010	-6.08073	40.00000	Averaged	
173 1-Methyl-2-pyrrolidone	0.82472	0.82573	0.82573	0.010	-0.12232	40.00000	Averaged	
M 177 Aramite (total)	0.13778	0.12768	0.12768	0.010	7.32759	40.00000	Averaged	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061307.B

Lab File ID (Standard): N061302 Date Analyzed: 06/13/07

Instrument ID: MSN1 Time Analyzed: 1415

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	115600	7.13	450881	9.12	255240	11.92
	UPPER LIMIT	231200	7.63	901762	9.62	510480	12.42
	LOWER LIMIT	57800	6.63	225441	8.62	127620	11.42
	CLIENT SAMPLE NO.						
01	I7F110000-19	110332	7.13	429013	9.12	244211	11.92
02	I7F110000-19	106929	7.13	418382	9.12	237024	11.92
03	MW-8	105908	7.14	406580	9.13	230796	11.92
04	I7F070118-00	112489	7.14	432696	9.14	242940	11.93
05	I7F070118-00	111105	7.14	411937	9.14	238384	11.94
06	MW29	114399	7.14	446958	9.12	254815	11.92
07	MW-9	115583	7.14	459633	9.13	259339	11.92
08	MW-10	111526	7.13	431749	9.12	247128	11.92
09	MW-11	118493	7.13	460332	9.12	264818	11.92
10	MW-9	117165	7.13	456229	9.12	264046	11.92
11	MW-10	115782	7.13	454825	9.12	260002	11.92
12	I7F110000-19	110524	7.13	435180	9.12	247821	11.92
13	I7F110000-19	118304	7.13	463199	9.12	262284	11.92
14	I7F110000-19	116673	7.13	454735	9.12	258082	11.92
15	MWB-4	109911	7.14	436871	9.12	253046	11.92
16	FD-4	105624	7.14	422831	9.12	244832	11.92
17	MW-1	114113	7.13	446352	9.12	256291	11.92
18	MW-6	116505	7.13	449357	9.12	259850	11.92
19	MW-14	118014	7.13	458754	9.12	261026	11.92
20	C12 USED OIL	117486	7.13	452666	9.12	254931	11.92
21	C:12 COD TOP	124687	7.13	491845	9.12	277913	11.92
22							

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061307.B

Lab File ID (Standard): N061302 Date Analyzed: 06/13/07

Instrument ID: MSN1 Time Analyzed: 1415

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	453790	14.27	443310	18.52	444801	20.66
	UPPER LIMIT	907580	14.77	886620	19.02	889602	21.16
	LOWER LIMIT	226895	13.77	221655	18.02	222401	20.16
	CLIENT SAMPLE NO.						
01	I7F110000-19	424943	14.26	419957	18.50	416678	20.65
02	I7F110000-19	418488	14.27	419383	18.52	409381	20.66
03	MW-8	397920	14.26	411054	18.51	399221	20.65
04	I7F070118-00	434311	14.27	438878	18.51	437438	20.66
05	I7F070118-00	423456	14.27	441304	18.52	435024	20.66
06	MW29	436544	14.26	433812	18.51	426089	20.65
07	MW-9	451400	14.26	448531	18.51	437715	20.65
08	MW-10	430977	14.26	441046	18.51	426882	20.65
09	MW-11	462948	14.26	465553	18.51	458947	20.65
10	MW-9	457547	14.26	465133	18.51	452554	20.65
11	MW-10	454271	14.26	461807	18.51	452395	20.65
12	I7F110000-19	431439	14.26	432666	18.51	423105	20.65
13	I7F110000-19	463259	14.26	465852	18.52	452939	20.65
14	I7F110000-19	455717	14.26	457690	18.52	441388	20.65
15	MWB-4	448540	14.27	448050	18.51	432356	20.65
16	FD-4	434889	14.27	424454	18.51	413984	20.65
17	MW-1	443868	14.26	453467	18.51	438943	20.65
18	MW-6	455511	14.26	451827	18.51	455879	20.66
19	MW-14	455801	14.26	464895	18.51	456009	20.65
20	C12 USED OIL	452016	14.26	470967	18.51	469263	20.66
21	C:12 COD TOP	487192	14.26	485971	18.51	478387	20.65
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC & Sample Data

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7F050254	I7F050316
I7F050121	I7F060169
I7F010127	I7F050295
I7F040219	CAPROLACTUM CUVE
I7F050291	

Method Name/Type: M8270c/625

Instrument ID: MSN1

Analysis Date: 6/12/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration (CAPROLACTUM) ✓				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			
Sample Analysis				✓
Sample name and header information correct	✓			
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances included and noted	✓			
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

Batch 7157509 MS/MSD had several BN analytes recovered low or not detected. LCS OK.
I7F050291-01 — Surr D5-NB high due to matrix interference

Analyst: Mark Malloy — Date: 06/14/07

2nd Review: [signature] — Date: 6/18/07

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/25/07
Time: 10:59:27

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	-	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets computer batch: correct & all match
			-	-	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
Y Bench Sheet Copied
Y Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: 402991
402066
401822 Luke A. Townsend
Concentrationist: 402066 Luke A. Townsend
401822 Luke A. Townsend

****
* QC BATCH: 7157509 *
****

PREP DATE: 6/06/07 14:00
COMP DATE: 6/08/07 8:00

Reviewer/Date: TOWNSENL / 6/08/07

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (A/B/N) - Acid->Base

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/08/07	6/20/07	I7F050121-001 JX9N7-1-AA		49	QL	WATER	950mL 1.00mL	9.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-A3S	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-001 J0A4E-1-A4D	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															
6/11/07	6/19/07	I7F050254-003 J0A5A-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/12/07	6/20/07	I7F060169-001 J0DTG-1-AC	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/12/07	6/20/07	I7F060169-002 J0DTN-1-AF	D	49	QL	WATER	1050mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/25/07
Time: 10:59:27

QC BATCH: 7157509

PREP DATE: 6/06/07 14:00
COMP DATE: 6/08/07 8:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/11/07	0/00/00	I7F060000-509 J0FF1-1-AAB		49	QL	WATER	1000mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	100ULSM8270SU00002
COMMENTS:															
6/11/07	0/00/00	I7F060000-509 J0FF1-1-ACC		49	QL	WATER	1000mL 1.00mL	7.0	2.0	12.0	MECL2	500.0		.0	500ULSM8270SP00006 100ULSM8270SU00002
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
↕

NUMBER OF WORK ORDERS IN BATCH: 9

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 6-12-7
SHIFT (Circle): (1) 2 3 METHOD / TEST: MS2-70C
COMPUTER CLOCK DATE / TIME: SOP #: AUS MS 0005

DAILY CHECK	INSERT CHANGED	SEPTA CHANGED	COLUMN CHANGED	AUTOSAMPLER MAINT
—	cleaned	✓	✓	
M. PUMP OIL	**TURBO OIL**	**FILAMENT CHANGE**	**OTHER**	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance perfonned or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDCTPD.U
Elect Mult. 1471 volts
Tuning Performance (circle one):
(DFTPP) Autotune Other

Sampling Rate 2/s 1
Scan Range 35-500 amu
Interface (circle one):
(Direct) Jet Separator Other

GC PROGRAM:

GC Meth. NOS 3107m
Inj. Temp. 270 C
Carrier Gas: Helium
Flow/Pressure 3-7 psi 15

Initial Temp. 50 C
Init.Hold 2.75 min
Ramp 15 C/min
Final Temp. 220 C

Final Hold 3.46 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MS10 #262 (Circle one) Packed (Capillary)
Phases/Loadings: RTX MS 5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split (Splitless) pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Nu

```
Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N061207.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run        On A Barcode Mismatch
 (X) Full Method                (X) Inject Anyway
 ( ) Reprocessing Only          ( ) Don't Inject
```

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	N061219	N053107M	J0DTN1AP;~~I7F060169-02;1;0;;1;~~
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	26	N061226	N053107M	~~JX35Q1AC;I7F010127-04;10;0;;2~~
27	Sample	27	N061227	N053107M	J0QDM1AC;I7F110202-02;~~10;0;;2~~
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;
35	Sample	[illegible]	[illegible]	N053107M	J0CJP1AA;I7F050316-01;1;0;;1;

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001	
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S	
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;	
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S	
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S	
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S	
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S	
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S	
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S	
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA	
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;	
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;	
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;	PAREWT
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;	
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;	
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;	
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;	CMB 6/26/07
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;	
19	Sample	19	N061219	N053107M	~~J0DTN1AP;I7F060169-02;1;0;;1;~~	Not used
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;	
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;	
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;	
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2	✓
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2	
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2	
26	Sample	26	N061226	N053107M	~~JX35Q1AC;I7F010127-04;10;0;;2~~	Not used
27	Sample	27	N061227	N053107M	~~J0QDM1AC;I7F110202-02;10;0;;2~~	" " CMB 6/26/07
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;	
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;	
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;	
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;	
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;	✓
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;	
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;	
35	Sample	35	N061235	N053107M	J0CJP1AA;I7F050316-01;1;0;;1;	

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D
Report Date: 13-Jun-2007 07:36

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 12-JUN-2007 07:45
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.496	7.803	-0.307	198	280192			0.00- 100.00	100.00
7.496	8.311	-0.815	51	98840			30.00- 60.00	35.28
7.496	8.311	-0.815	68	0	0.0	0.0	0.00- 2.00	0.00
7.496	8.311	-0.815	69	107600			0.00- 0.00	38.40
7.496	8.311	-0.815	70	125			0.00- 2.00	0.12
7.496	8.311	-0.815	127	136768			40.00- 60.00	48.81
7.496	8.311	-0.815	197	0	0.0	0.0	0.00- 1.00	0.00
7.496	8.311	-0.815	199	18792			5.00- 9.00	6.71
7.496	8.311	-0.815	275	78944			10.00- 30.00	28.17
7.496	8.311	-0.815	365	8537			1.00- 0.00	3.05
7.496	8.311	-0.815	441	36488			0.01- 99.99	73.33
7.496	8.311	-0.815	442	255744			40.00- 0.00	91.27
7.496	8.311	-0.815	443	49760			17.00- 23.00	19.46

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

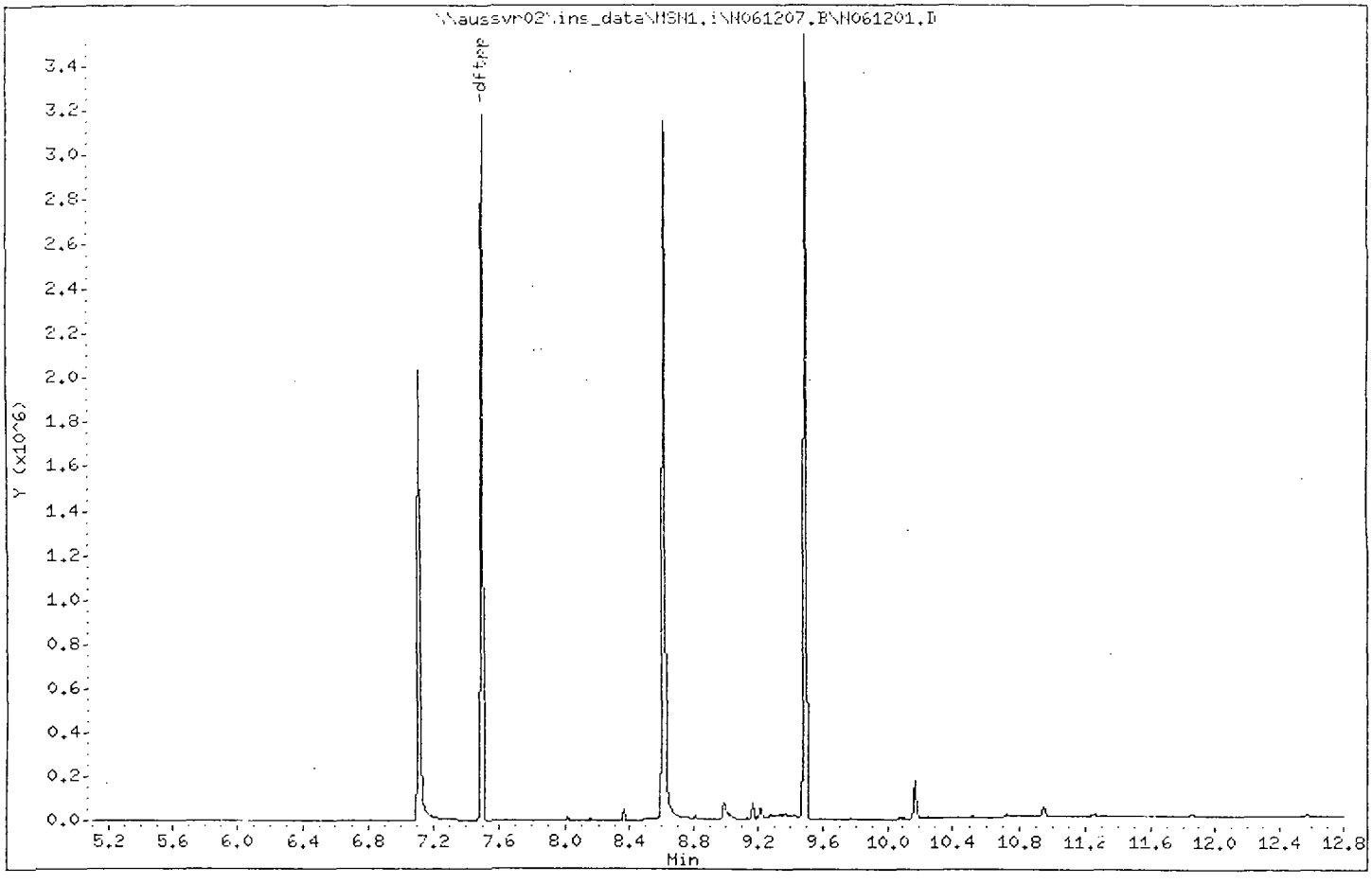
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

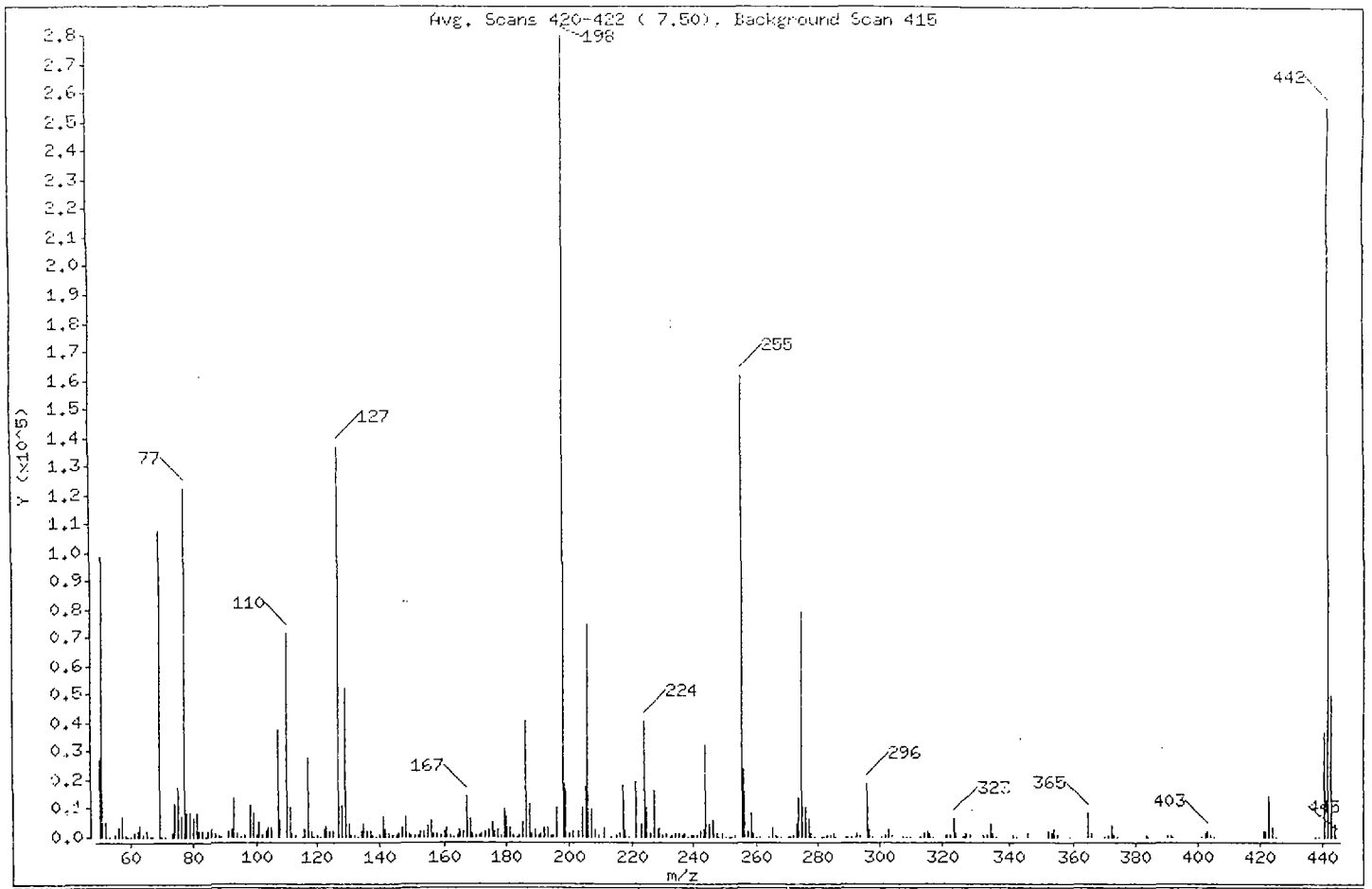
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.40
70	Less than 2.00% of mass 69	0.04 (0.12)
127	40.00 - 60.00% of mass 198	48.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	28.17
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	13.02
442	Greater than 40.00% of mass 198	91.27
443	17.00 - 23.00% of mass 442	17.76 (19.46)

MM 6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D
Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415
Location of Maximum: 198.00
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27000	131.00	857	205.00	17144	289.00	255
51.00	98840	132.00	561	206.00	74728	290.00	212
52.00	5110	133.00	321	207.00	9730	291.00	122
53.00	283	134.00	1611	208.00	2469	292.00	293
55.00	636	135.00	4335	209.00	755	293.00	1400
56.00	3063	136.00	1742	211.00	2993	294.00	366
57.00	6916	137.00	2101	213.00	246	296.00	18688
58.00	324	138.00	484	215.00	834	297.00	2655
59.00	56	139.00	317	216.00	1535	298.00	198
60.00	177	140.00	731	217.00	17800	301.00	254
61.00	1386	141.00	6985	218.00	2422	302.00	372
62.00	1613	142.00	2320	219.00	257	303.00	2312
63.00	4173	143.00	1502	221.00	19608	304.00	709
64.00	621	144.00	419	223.00	4338	308.00	304
65.00	2172	145.00	384	224.00	40608	309.00	213
66.00	166	146.00	1293	225.00	10479	310.00	283
67.00	59	147.00	3514	226.00	1205	313.00	150
69.00	107600	148.00	7217	227.00	16243	314.00	1010
70.00	125	149.00	1538	228.00	2481	315.00	2153
71.00	109	150.00	430	229.00	3474	316.00	1268
73.00	1089	151.00	934	230.00	562	317.00	205
74.00	11546	152.00	678	231.00	1468	321.00	631
75.00	17600	153.00	2160	232.00	319	322.00	340
76.00	7146	154.00	1631	233.00	340	323.00	6684
77.00	122112	155.00	3792	234.00	1061	324.00	1221
78.00	8514	156.00	5722	235.00	1252	326.00	51
79.00	8551	157.00	1297	236.00	806	327.00	1167
80.00	6323	158.00	1222	237.00	1250	328.00	623
81.00	8678	159.00	947	238.00	216	332.00	461
82.00	2207	160.00	2125	239.00	704	333.00	705
83.00	2061	161.00	3130	240.00	528	334.00	4213
84.00	204	162.00	919	241.00	916	335.00	1154
85.00	1611	163.00	220	242.00	2027	336.00	63
86.00	2498	164.00	427	243.00	2291	341.00	768
87.00	1244	165.00	2486	244.00	32512	342.00	215

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	465	166.00	2149	245.00	4273	346.00	1385
89.00	173	167.00	13965	246.00	6019	347.00	267
91.00	2098	168.00	6121	247.00	1279	352.00	2038
92.00	2372	169.00	1168	248.00	301	353.00	1406
93.00	13498	170.00	502	249.00	1193	354.00	2338
94.00	1005	171.00	640	250.00	238	355.00	479
95.00	162	172.00	1221	251.00	289	359.00	118
96.00	684	173.00	1630	252.00	320	365.00	8537
98.00	10785	174.00	2875	253.00	738	366.00	1260
99.00	8100	175.00	5291	255.00	161984	370.00	135
100.00	840	176.00	1853	256.00	23752	371.00	511
101.00	4910	177.00	2732	257.00	1878	372.00	3599
102.00	364	178.00	881	258.00	8568	373.00	872
103.00	1920	179.00	9570	259.00	1476	374.00	71
104.00	3327	180.00	6774	260.00	258	383.00	944
105.00	3049	181.00	3194	261.00	299	384.00	269
107.00	37320	182.00	548	264.00	270	390.00	475
108.00	6042	183.00	317	265.00	3532	391.00	355
110.00	71520	184.00	871	266.00	462	392.00	275
111.00	10617	185.00	5084	267.00	117	401.00	209
112.00	1279	186.00	40584	268.00	8	402.00	1378
113.00	438	187.00	11347	270.00	272	403.00	1950
115.00	165	188.00	1172	271.00	317	404.00	734
116.00	2462	189.00	2437	272.00	500	405.00	59
117.00	27824	190.00	431	273.00	4815	421.00	1865
118.00	2147	191.00	1100	274.00	13696	422.00	1699
119.00	286	192.00	3151	275.00	78944	423.00	14426
120.00	526	193.00	3516	276.00	10421	424.00	2916
121.00	217	194.00	752	277.00	6327	425.00	291
122.00	2847	195.00	582	278.00	990	438.00	83
123.00	4034	196.00	10168	279.00	225	439.00	238
124.00	1788	198.00	280192	281.00	59	441.00	36488
125.00	1692	199.00	18792	282.00	66	442.00	255744
127.00	136768	200.00	1540	283.00	693	443.00	49760
128.00	10715	201.00	1739	284.00	499	444.00	4608

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP:DFTPP:::SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.500), Background Scan 415

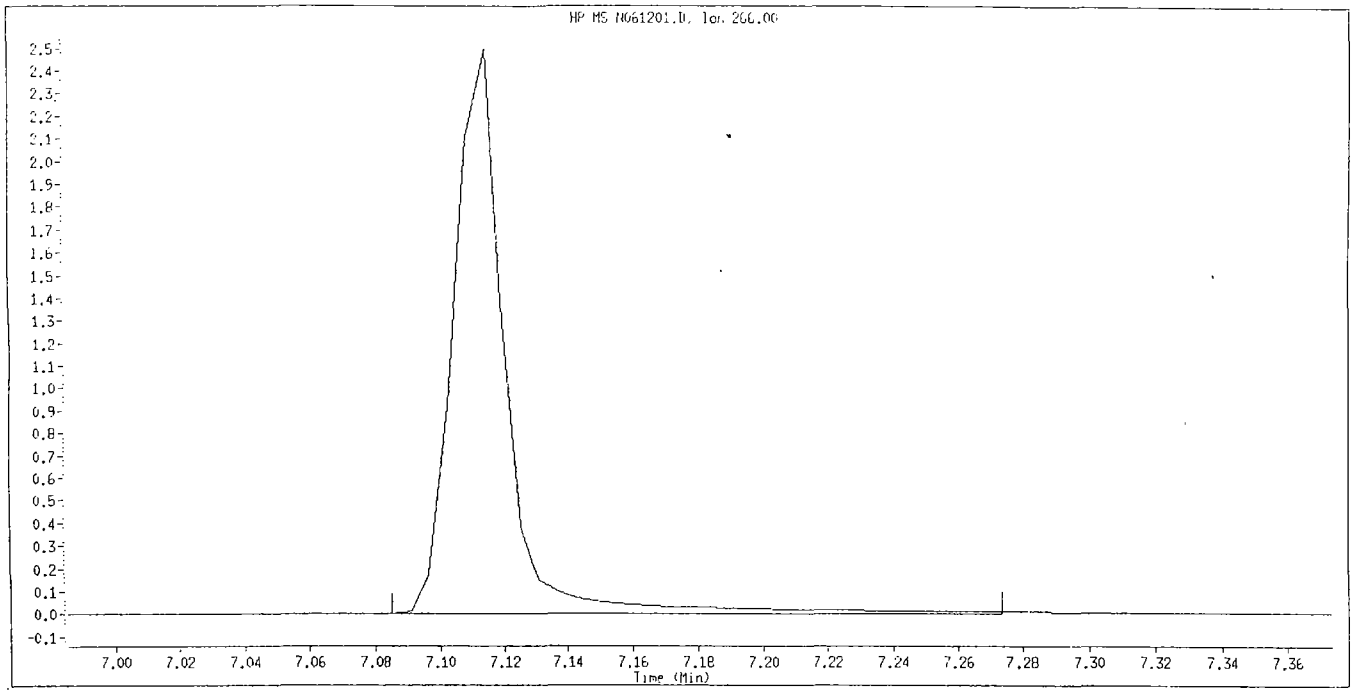
Location of Maximum: 198.00

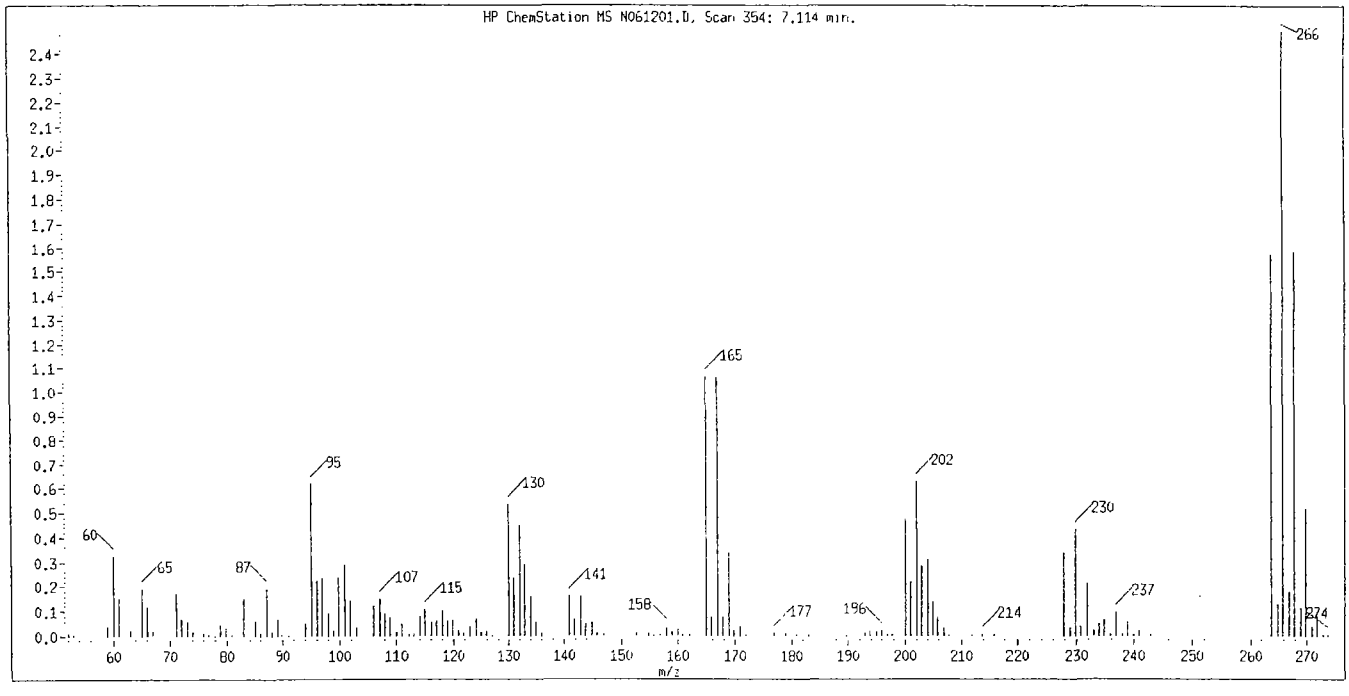
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	52144	203.00	1988	285.00	1055	445.00	273
130.00	4571	204.00	10067	286.00	239		

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

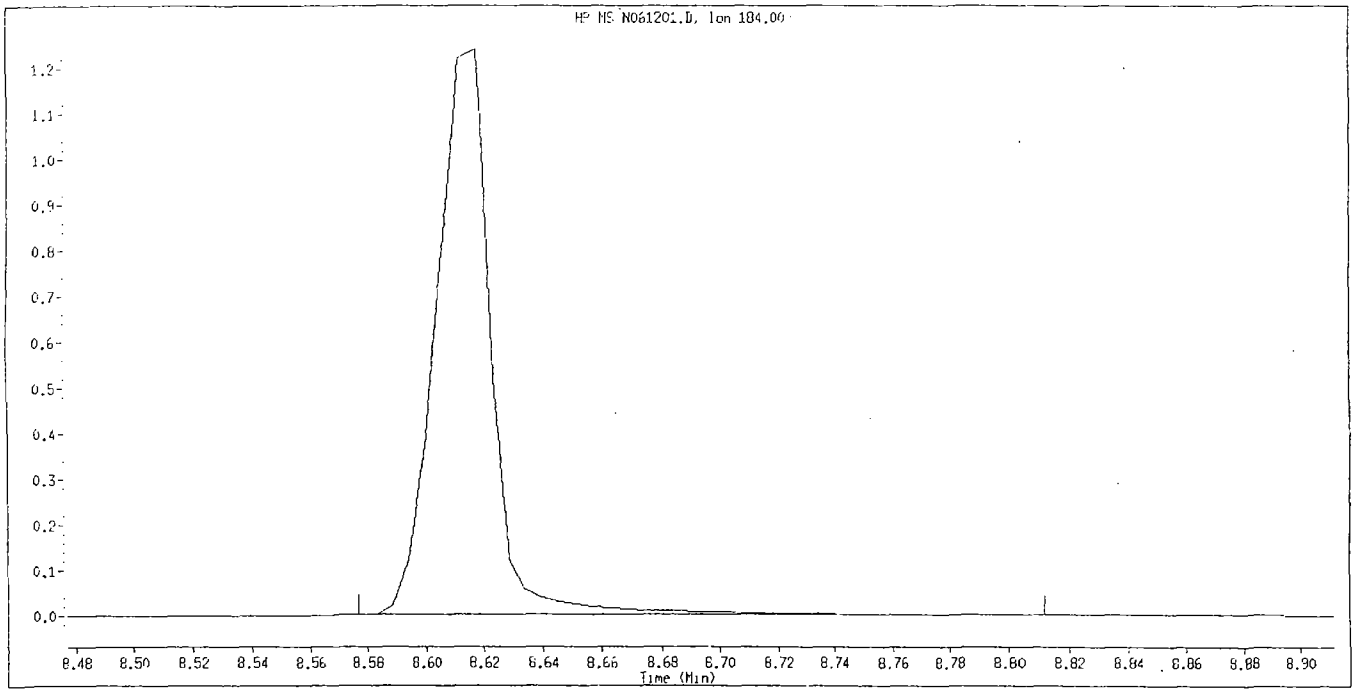


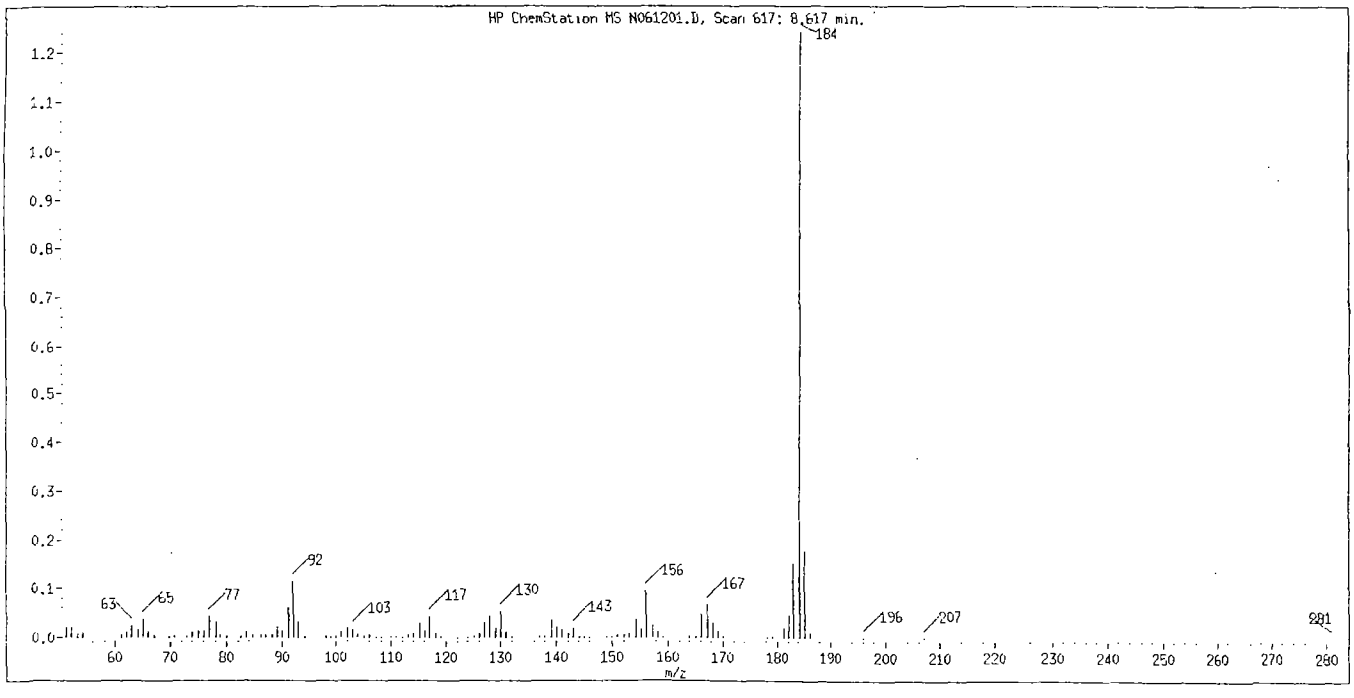


Tailing Factor = 0.888 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.097252 T2 = 7.113817 T3 = 7.128522

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

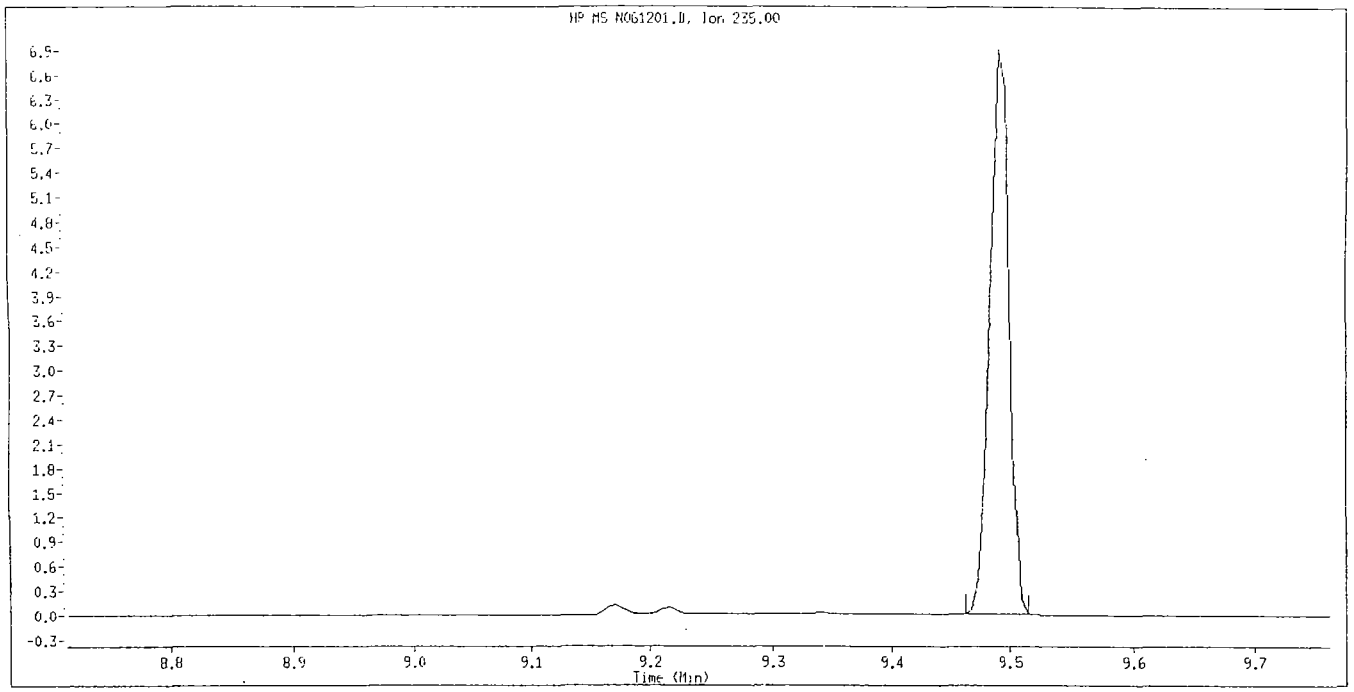




Tailing Factor = 0.5 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.594207 T2 = 8.616983 T3 = 8.628383

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 06/13/2007

DEGRADATION REPORT



Degradation = 2.76% Good
Acceptance Criteria 0 - 20 %
DDT Area = 758765
DDE Area = 12789
DDD Area = 8765

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 1
Report Date: 14-Jun-2007 15:11

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D
Lab Smp Id: Ccalib_4 Client Smp ID: HSL_075
Inj Date : 12-JUN-2007 08:04
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;HSL_075;;2;4;3;;;; SMHSLCCV00017
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 18:19 Cal File: N053114.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.164	7.159	(1.000)	156680	40.0000		REV
* 40 Naphthalene-d8	136	9.155	9.150	(1.000)	612404	40.0000		
* 64 Acenaphthene-d10	164	11.960	11.956	(1.000)	337330	40.0000		
* 93 Phenanthrene-d10	188	14.302	14.303	(1.000)	604298	40.0000		
* 114 Chrysene-d12	240	18.553	18.544	(1.000)	596239	40.0000		
* 122 Perylene-d12	264	20.695	20.691	(1.000)	590055	40.0000		
$ 6 2-Fluorophenol	112	5.302	5.302	(0.740)	801576	150.000	145.71	
$ 12 Phenol-d5	99	6.764	6.764	(0.944)	982844	150.000	147.02	
$ 82 2,4,6-Tribromophenol	330	13.244	13.244	(0.926)	194966	150.000	150.69	
$ 29 Nitrobenzene-d5	82	8.092	8.092	(0.884)	421830	75.0000	72.739	
$ 54 2-Fluorobiphenyl	172	10.892	10.892	(0.911)	817313	75.0000	72.423	
$ 105 Terphenyl-d14	244	16.865	16.865	(0.909)	827711	75.0000	66.958	
1 Pyridine	79	2.896	2.896	(0.404)	409189	75.0000	75.811	
2 N-Nitrosodimethylamine	74	2.934	2.934	(0.410)	231385	75.0000	74.059	
3 2-Picoline	93	4.250	4.250	(0.593)	457788	75.0000	73.700	
4 N-Nitrosomethylethylamine	88	4.525	4.525	(0.632)	209837	75.0000	73.365	
5 Methyl methanesulfonate	80	5.065	5.065	(0.707)	226315	75.0000	73.032	
7 N-Nitrosodiethylamine	102	5.642	5.642	(0.788)	206365	75.0000	74.401	
8 Ethyl methanesulfonate	79	6.144	6.144	(0.858)	304282	75.0000	73.820	
9 Pentachloroethane	117	6.716	6.716	(0.937)	141493	75.0000	73.216	
10 Aniline	93	6.748	6.748	(0.942)	635307	75.0000	75.066	
11 bis(2-Chloroethyl)ether	93	6.835	6.835	(0.954)	397862	75.0000	71.788	
13 Phenol	94	6.786	6.786	(0.947)	551755	75.0000	69.654	
14 2-Chlorophenol	128	6.921	6.921	(0.966)	431028	75.0000	72.964	
15 1,3-Dichlorobenzene	146	7.104	7.104	(0.992)	450771	75.0000	72.618	
16 1,4-Dichlorobenzene	146	7.191	7.191	(1.004)	460838	75.0000	71.621	
18 1,2-Dichlorobenzene	146	7.477	7.477	(1.044)	432276	75.0000	72.372	
19 Benzyl Alcohol	108	7.450	7.450	(1.040)	276046	75.0000	75.100	
20 bis(2-Chloroisopropyl)ether	45	7.655	7.655	(1.069)	470160	75.0000	73.252	
21 2-Methylphenol	108	7.671	7.671	(1.071)	377014	75.0000	72.944	
22 Acetophenone	105	7.854	7.854	(1.096)	551868	75.0000	72.766	
23 N-Nitroso-di-n-propylamine	70	7.903	7.903	(1.103)	288761	75.0000	73.902	
24 N-Nitrosopyrrolidine	100	7.887	7.887	(1.101)	208711	75.0000	77.061	
25 3-(and/or 4-)Methylphenol	108	7.914	7.914	(1.105)	814127	150.000	147.58	

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 2
Report Date: 14-Jun-2007 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
27 o-Toluidine	106	7.924	7.924	(1.106)	635628	75.0000	74.565	
28 Hexachloroethane	117	7.935	7.935	(1.108)	165242	75.0000	71.825	
30 Nitrobenzene	77	8.119	8.119	(0.887)	435825	75.0000	72.262	
31 N-Nitrosopiperidine	114	8.361	8.361	(0.913)	198024	75.0000	72.007	
32 Isophorone	82	8.475	8.475	(0.926)	753451	75.0000	71.546	
33 2-Nitrophenol	139	8.610	8.610	(0.940)	229739	75.0000	74.124	
34 2,4-Dimethyphenol	107	8.701	8.701	(0.950)	422481	75.0000	71.776	
35 Bis(2-chloroethoxy)methane	93	8.825	8.825	(0.964)	435556	75.0000	71.986	
36 2,4-Dichlorophenol	162	8.993	8.993	(0.982)	326284	75.0000	72.897	
38 1,2,4-Trichlorobenzene	180	9.095	9.095	(0.994)	357316	75.0000	71.759	
39 Benzoic Acid	122	8.993	8.993	(0.982)	102756	75.0000	78.876	
41 Naphthalene	128	9.187	9.187	(1.004)	1166144	75.0000	72.048	
42 4-Chloroaniline	127	9.338	9.338	(1.020)	490893	75.0000	73.703	
43 2,6-Dichlorophenol	162	9.343	9.343	(1.021)	320372	75.0000	72.162	
44 Hexachloropropene	213	9.365	9.365	(1.023)	229457	75.0000	76.933	
45 Hexachlorobutadiene	225	9.462	9.462	(1.034)	207993	75.0000	70.855	
46 N-Nitroso-di-n-butylamine	84	9.883	9.883	(1.080)	262126	75.0000	72.468	
47 4-Chloro-3-Methylphenol	107	10.131	10.131	(1.107)	357305	75.0000	72.204	
48 Safrole	162	10.158	10.158	(1.110)	304491	75.0000	72.547	
49 2-Methylnaphthalene	142	10.277	10.277	(1.123)	773732	75.0000	72.629	
50 Hexachlorocyclopentadiene	237	10.622	10.622	(0.888)	63024	75.0000	66.945	
51 1,2,4,5-Tetrachlorobenzene	216	10.606	10.606	(0.887)	350365	75.0000	73.908	
52 2,4,6-Trichlorophenol	196	10.795	10.795	(0.903)	218461	75.0000	75.108	
53 2,4,5-Trichlorphenol	196	10.870	10.870	(0.909)	231202	75.0000	74.259	
55 2-Chloronaphthalene	127	11.048	11.048	(0.924)	282005	75.0000	73.269	
56 Isosafrole	162	10.973	10.973	(0.917)	287176	75.0000	71.037	
57 2-Nitroaniline	65	11.307	11.307	(0.945)	218227	75.0000	73.136	
58 1,4-Naphthoquinone	158	11.367	11.367	(0.950)	265321	75.0000	73.651	
59 Dimethylphthalate	163	11.626	11.626	(0.972)	768056	75.0000	71.914	
60 2,6-Dinitrotoluene	165	11.744	11.744	(0.982)	189379	75.0000	73.346	
61 1,3-Dinitrobenzene	168	11.685	11.685	(0.977)	142742	75.0000	73.666	
62 Acenaphthylene	152	11.717	11.717	(0.980)	1166823	75.0000	72.980	
63 3-Nitroaniline	138	11.976	11.976	(1.001)	211320	75.0000	74.106	
65 Acenaphthene	153	12.014	12.014	(1.004)	692848	75.0000	72.392	
66 2,4-Dinitrophenol	184	12.149	12.149	(1.016)	93247	75.0000	76.037	
67 Dibenzofuran	168	12.262	12.262	(1.025)	966575	75.0000	72.178	
68 4-Nitrophenol	109	12.327	12.327	(1.031)	89357	75.0000	69.650	
69 Pentachlorobenzene	250	12.300	12.300	(1.028)	286842	75.0000	73.180	
70 2,4-Dinitrotoluene	165	12.381	12.381	(1.035)	249894	75.0000	73.475	
72 2,3,4,6-tetrachlorophenol	232	12.559	12.559	(1.050)	181689	75.0000	77.404	
74 Diethylphthalate	149	12.748	12.748	(1.066)	753882	75.0000	72.040	
75 4-Chlorophenyl-phenylether	204	12.807	12.807	(1.071)	371031	75.0000	71.291	
76 Fluorene	166	12.813	12.813	(1.071)	748387	75.0000	72.100	
77 5-Nitro-o-toluidine	152	12.931	12.931	(1.081)	239017	75.0000	73.472	
78 4,6-Dinitro-2-methylphenol	198	13.034	13.034	(0.911)	141304	75.0000	76.110	
79 4-Nitroaniline	138	12.980	12.980	(1.085)	209081	75.0000	75.867	
80 N-Nitrosodiphenylamine/DPA	169	13.039	13.039	(1.090)	684719	75.0000	71.956	
81 Azobenzene	77	13.066	13.066	(0.914)	859580	75.0000	78.670	
83 Diallate #1	234	13.525	13.525	(0.946)	125726	75.0000		
84 4-Bromophenyl-phenylether	248	13.579	13.579	(0.949)	221869	75.0000	72.226	
85 Phenacetin	108	13.617	13.617	(0.952)	393708	75.0000	74.395	
86 Diallate #2	234	13.654	13.654	(0.955)	27243	75.0000		
87 Hexachlorobenzene	284	13.816	13.816	(0.966)	223455	75.0000	73.600	
88 1,3,5-Trinitrobenzene	75	13.638	13.638	(0.954)	202089	75.0000	79.218	

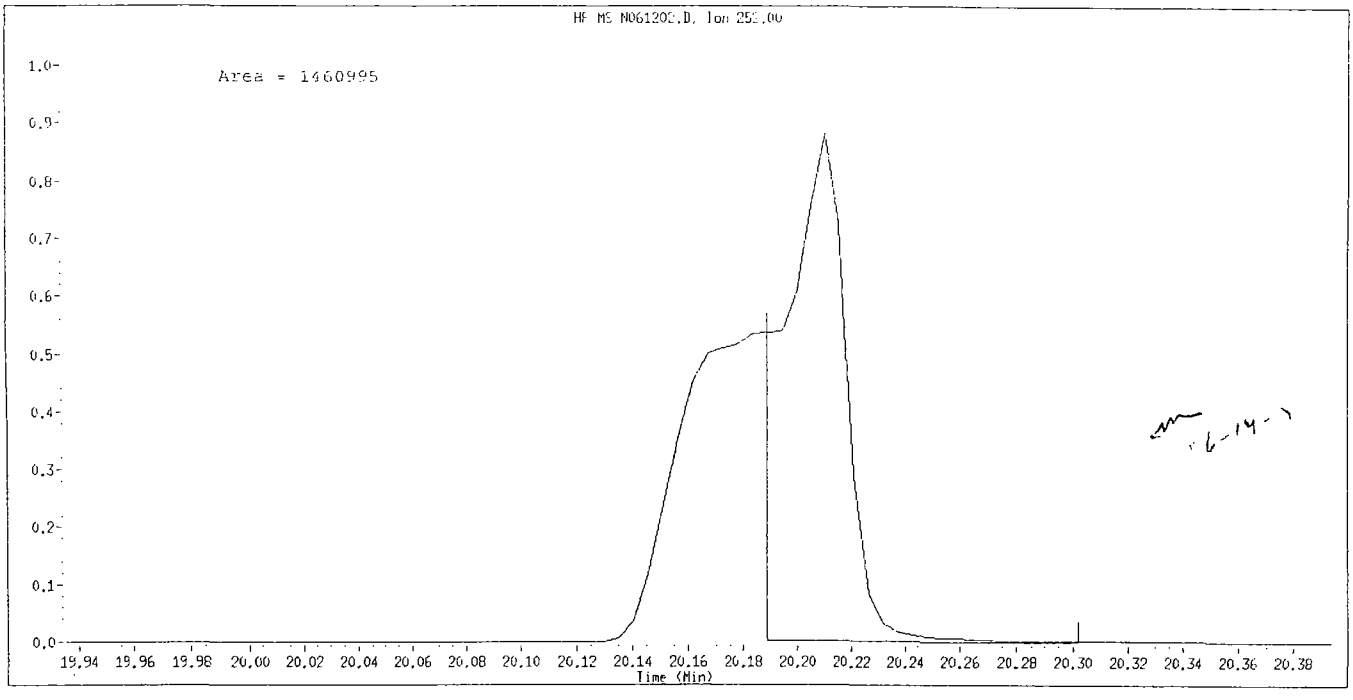
Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061202.D Page 3
Report Date: 14-Jun-2007 15:11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
90 Pentachlorophenol	266	14.135	14.135	(0.986)	100291	75.0000	84.866	
91 Pronamide	173	14.189	14.189	(0.993)	330571	75.0000	72.806	
92 Pentachloronitrobenzene	295	14.243	14.243	(0.996)	42255	75.0000	73.734	
94 Phenanthrene	178	14.345	14.345	(1.003)	1129487	75.0000	73.000	
95 Anthracene	178	14.415	14.415	(1.008)	1115663	75.0000	72.124	
96 Dinoseb	211	14.421	14.421	(1.008)	195434	75.0000	76.632	
97 Carbazole	167	14.701	14.701	(1.028)	1082246	75.0000	73.672	
98 Di-n-Butylphthalate	149	15.316	15.316	(1.071)	1219830	75.0000	71.834	
101 Isodrin	193	16.001	16.001	(1.119)	118038	75.0000	69.457	
102 Fluoranthene	202	16.244	16.244	(1.136)	1241845	75.0000	73.002	
103 Benzidine	184	16.492	16.492	(0.889)	699351	75.0000	89.272	
104 Pyrene	202	16.606	16.606	(0.895)	1279759	75.0000	66.300	
106 4-Dimethylaminoazobenzene	120	17.124	17.124	(0.923)	343122	75.0000	68.018	
107 Chlorobenzilate	251	17.194	17.194	(0.927)	361540	75.0000	68.030	
109 3,3'-Dimethylbenzidine	212	17.663	17.663	(0.952)	744018	75.0000	72.541	
110 Butylbenzylphthalate	149	17.701	17.701	(0.954)	560303	75.0000	67.596	
111 2-Acetylaminofluorene	181	18.122	18.122	(0.977)	564535	75.0000	76.426	
112 3,3'-Dichlorobenzidine	252	18.527	18.527	(0.999)	454331	75.0000	72.005	
113 Benzo(a)anthracene	228	18.527	18.527	(0.999)	1192434	75.0000	68.547	
115 bis(2-Ethylhexyl)phthalate	149	18.624	18.624	(1.004)	756789	75.0000	69.210	
116 Chrysene	228	18.597	18.597	(1.002)	1172704	75.0000	72.839	
117 Di-n-octylphthalate	149	19.552	19.552	(0.945)	1299723	75.0000	66.097	
118 7,12-Dimethylbenz(a)anthracen	256	20.183	20.183	(0.975)	539931	75.0000	68.347	
119 Benzo(b)fluoranthene	252	20.194	20.194	(0.976)	1373342	75.0000	70.292(M)	SP
120 Benzo(k)fluoranthene	252	20.210	20.210	(0.977)	1467690	75.0000	72.753	
121 Benzo(a)pyrene	252	20.620	20.620	(0.996)	1238142	75.0000	70.567	
123 3-MethylCholanthrene.	268	21.111	21.111	(1.020)	604307	75.0000	71.935	
125 Indeno(1,2,3-cd)pyrene	276	22.244	22.244	(1.075)	1322286	75.0000	69.267	
126 Dibenz(a,h)anthracene	278	22.244	22.244	(1.075)	1082081	75.0000	69.689	
127 Benzo(g,h,i)perylene	276	22.665	22.665	(1.095)	1146769	75.0000	72.174	
M 176 Diallate (total)	234				152969	75.0000	71.878	

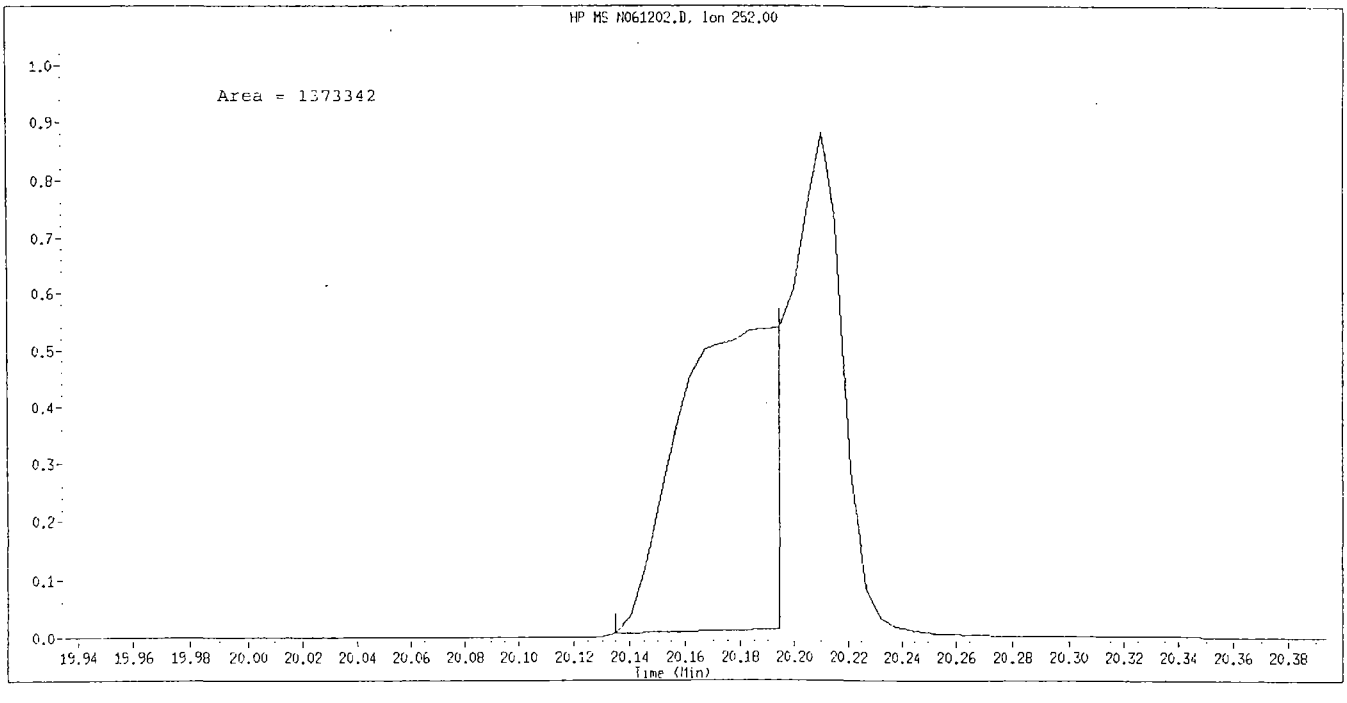
QC Flag Legend

M - Compound response manually integrated.

Data File Name: N061202.D
Inj. Date and Time: 12-JUN-2007 08:04
Instrument ID: MSN1.1
Client ID: HSL_075
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 06/14/2007



Original Integration



Manual Integration

Manually Integrated By: MalloyM
Manual Integration Reason: Split Peak ✓ MISD Mis identified peak

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\N061202.D

Date : 12-JUN-2007 08:04

Client ID: HSL_075

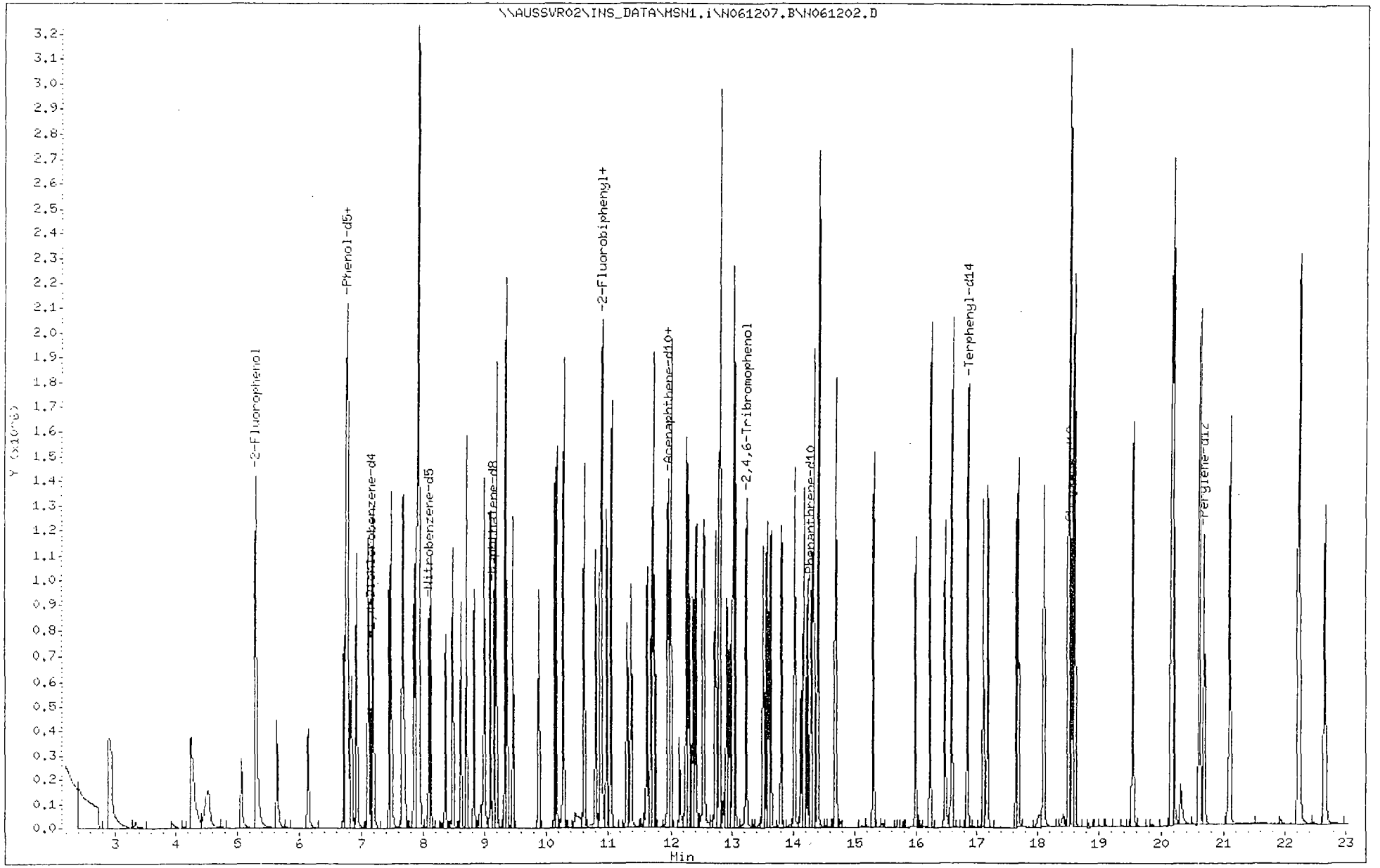
Sample Info: Ccalib_4;HSL_075;;2;4;3;;;; SMHSLCCV00017

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 1
Report Date: 13-Jun-2007 10:37

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D
Lab Smp Id: Ccalib_4 Client Smp ID: APPIX_075
Inj Date : 12-JUN-2007 08:56
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;APPIX_075;;2;4;3;;;; SMAP9CCV00013
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 MSN1.i Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	140859	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	544459	40.0000		REV
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	311266	40.0000		REV
* 93 Phenanthrene-d10	188	14.303	14.303	(1.000)	544939	40.0000		REV
* 114 Chrysene-d12	240	18.544	18.544	(1.000)	517390	40.0000		REV
* 122 Perylene-d12	264	20.691	20.691	(1.000)	504943	40.0000		REV
26 N-Nitrosomorpholine	56	7.893	7.893	(1.102)	212233	75.0000	77.461	REV
37 a,a-Dimethylphenethylamine	58	9.064	9.064	(0.991)	681286	75.0000	74.942	REV
71 1-Naphthylamine	143	12.414	12.414	(1.038)	622893	75.0000	73.624	REV
73 2-Naphthylamine	143	12.533	12.533	(1.048)	576351	75.0000	68.373	REV
89 4-Aminobiphenyl	169	14.033	14.033	(0.981)	734469	75.0000	71.687	REV
99 4-Nitroquinoline-1-oxide	190	15.657	15.657	(1.095)	19132	75.0000	55.017	REV
100 Methapyrilene	58	15.776	15.776	(1.103)	237582	75.0000	63.593	REV
130 N,N-Dimethylformamide	73	3.674	3.674	(0.513)	244600	75.0000	76.893	REV
131 Propyl cellosolve	43	4.062	4.062	(0.567)	347939	75.0000	78.036	REV
132 Acrylamide	55	5.195	5.195	(0.726)	101574	75.0000	82.259	REV
136 o,o,o-Triethylphosphorothioat	198	8.826	8.826	(0.965)	168037	75.0000	71.848	REV
142 p-Phenylenediamine	108	9.895	9.895	(1.081)	336895	75.0000	71.235	REV
143 1-Methylnaphthalene	142	10.445	10.445	(1.142)	610835	75.0000	73.419	REV
146 Biphenyl	154	11.028	11.028	(0.922)	760887	75.0000	73.069	REV
149 Diphenyl ether	170	11.206	11.206	(0.937)	430224	75.0000	74.206	REV
150 1,4-Dinitrobenzene	168	11.486	11.486	(0.961)	107411	75.0000	77.472	REV
151 Dimethyl terephthalate	194	11.994	11.994	(1.003)	128215	75.0000	77.135	REV
153 2,3,5,6-Tetrachlorophenol	232	12.485	12.485	(1.044)	151111	75.0000	80.285	REV
154 Thionazin	97	12.868	12.868	(1.076)	144566	75.0000	77.734	REV
155 Sulfotepp	97	13.423	13.423	(0.939)	101626	75.0000	72.995	REV
156 Phorate	75	13.542	13.542	(0.947)	366638	75.0000	72.921	REV
157 Dimethoate	87	13.866	13.866	(0.969)	194409	75.0000	69.960	REV
158 Disulfoton	88	14.368	14.368	(1.005)	306846	75.0000	73.337	REV
159 Methyl parathion	109	14.988	14.988	(1.048)	167976	75.0000	71.091	REV
160 Parathion	109	15.614	15.614	(1.092)	128119	75.0000	73.579	REV
161 Aramite #1	185	16.860	16.860	(0.909)	47322	75.0000		REV
162 Aramite #2	185	16.984	16.984	(0.916)	82342	75.0000		REV

6/14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D Page 2
Report Date: 13-Jun-2007 10:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
163 Famphur	218	17.637	17.637	(0.951)	26714	75.0000	192.66(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.506	18.506	(0.998)	94588	75.0000	73.596	REV
167 Dibenz(a,j)acridine	279	21.927	21.927	(1.060)	863140	75.0000	80.652	REV
173 1-Methyl-2-pyrrolidone	99	7.537	7.537	(1.053)	218645	75.0000	75.285	REV
M 177 Aramite (total)	185				129664	75.0000		

QC Flag Legend

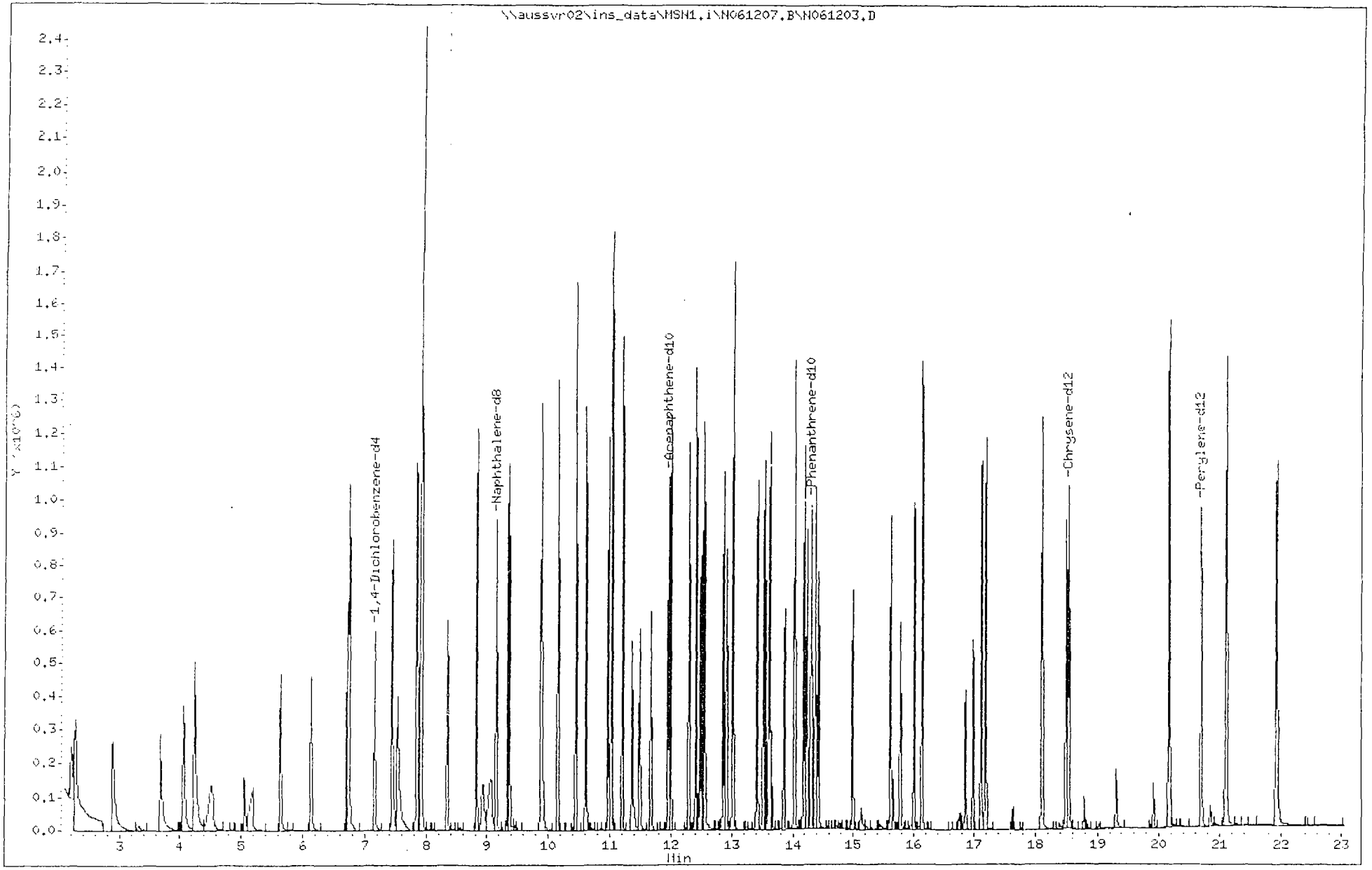
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061203.D
Date : 12-JUN-2007 08:56
Client ID: APPIX_075
Sample Info: Ccalib_4;APPIX_075;;2;4;3;;;; SMAF9CCV00013

Column phase: RtxS-MS

Instrument: MSN1.i

Operator: mallogm
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D
Lab Smp Id: J0FF11AAB Client Smp ID: I7F060000-509
Inj Date : 12-JUN-2007 12:52
Operator : malloym Inst ID: MSN1.i
Smp Info : J0FF11AAB;I7F060000-509;1;0;;1;1000;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

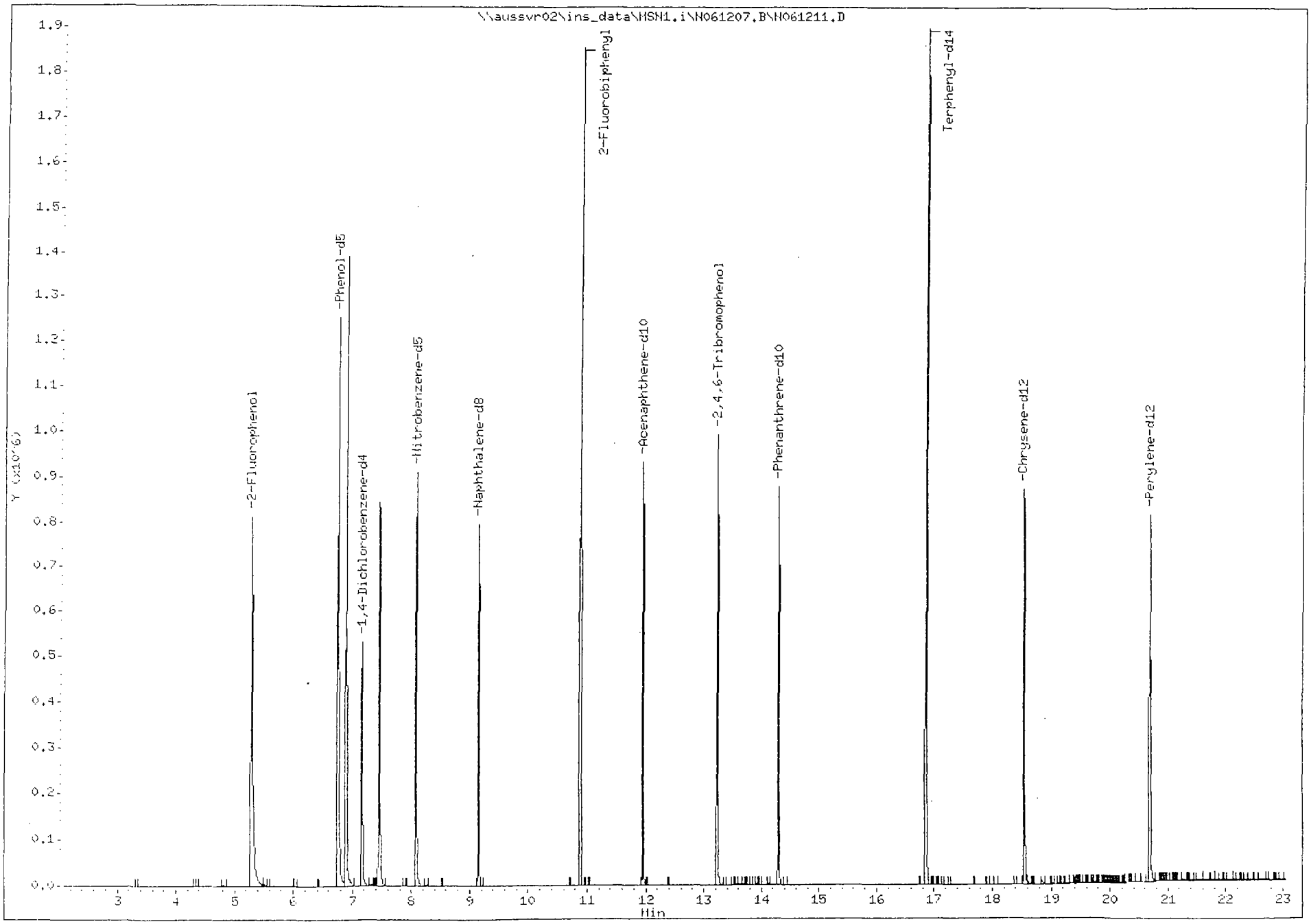
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	123413	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	480177	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	273922	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	474770	40.0000		REV
* 114 Chrysene-d12	240	18.538	18.544	(1.000)	468590	40.0000		REV
* 122 Perylene-d12	264	20.686	20.691	(1.000)	437367	40.0000		REV
$ 6 2-Fluorophenol	112	5.287	5.302	(0.738)	497282	114.762	114.76	REV
$ 12 Phenol-d5	99	6.749	6.764	(0.943)	652766	123.968	123.97	REV
$ 82 2,4,6-Tribromophenol	330	13.234	13.244	(0.926)	145314	142.954	142.95	REV
$ 29 Nitrobenzene-d5	82	8.076	8.092	(0.883)	377118	82.9363	82.936	REV
$ 54 2-Fluorobiphenyl	172	10.887	10.892	(0.911)	763568	83.3225	83.322	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	935975	96.3421	96.342	REV
18 1,2-Dichlorobenzene	146	7.472	7.477	(1.044)	502	0.10670	0.10670(aQ)	REV
146 Biphenyl	154	11.028	11.028	(0.923)	1012	0.11043	0.11043(a)	REV

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061211.D
Date : 12-JUN-2007 12:52

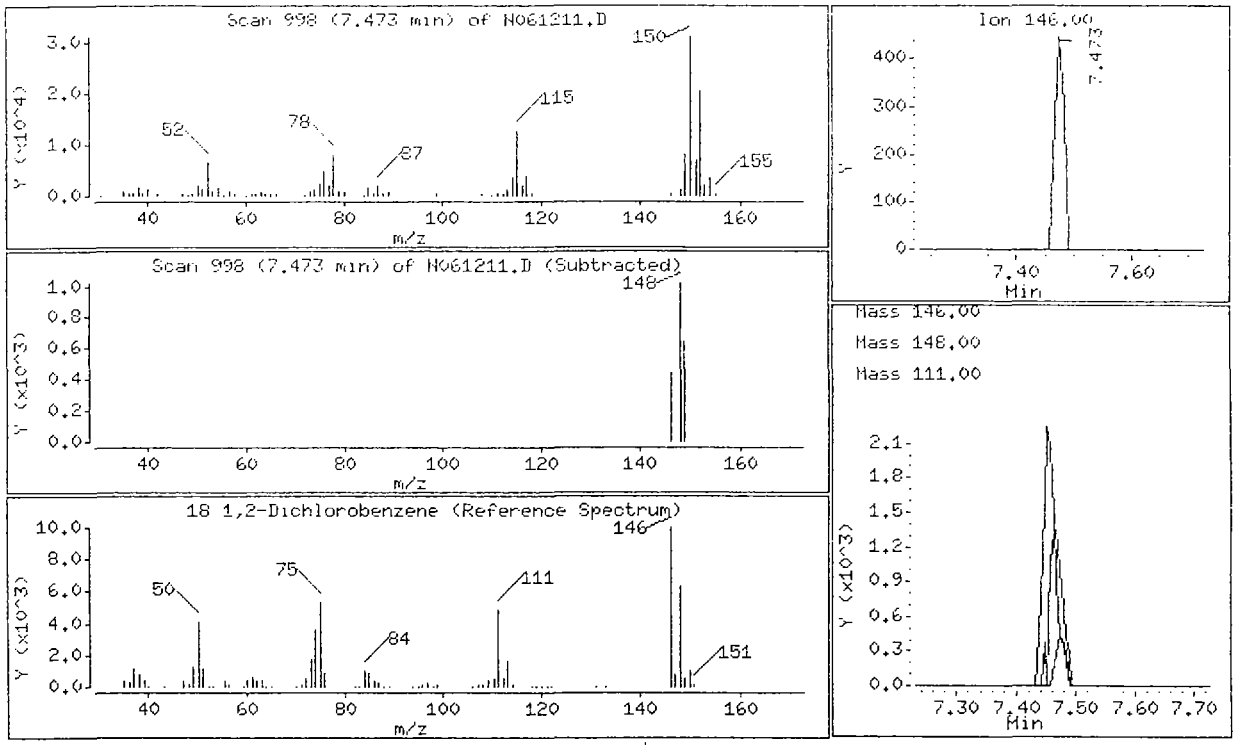
Sample Info: J0FF11AAB;I7F060000-509;1;0;;1;1000;;1000



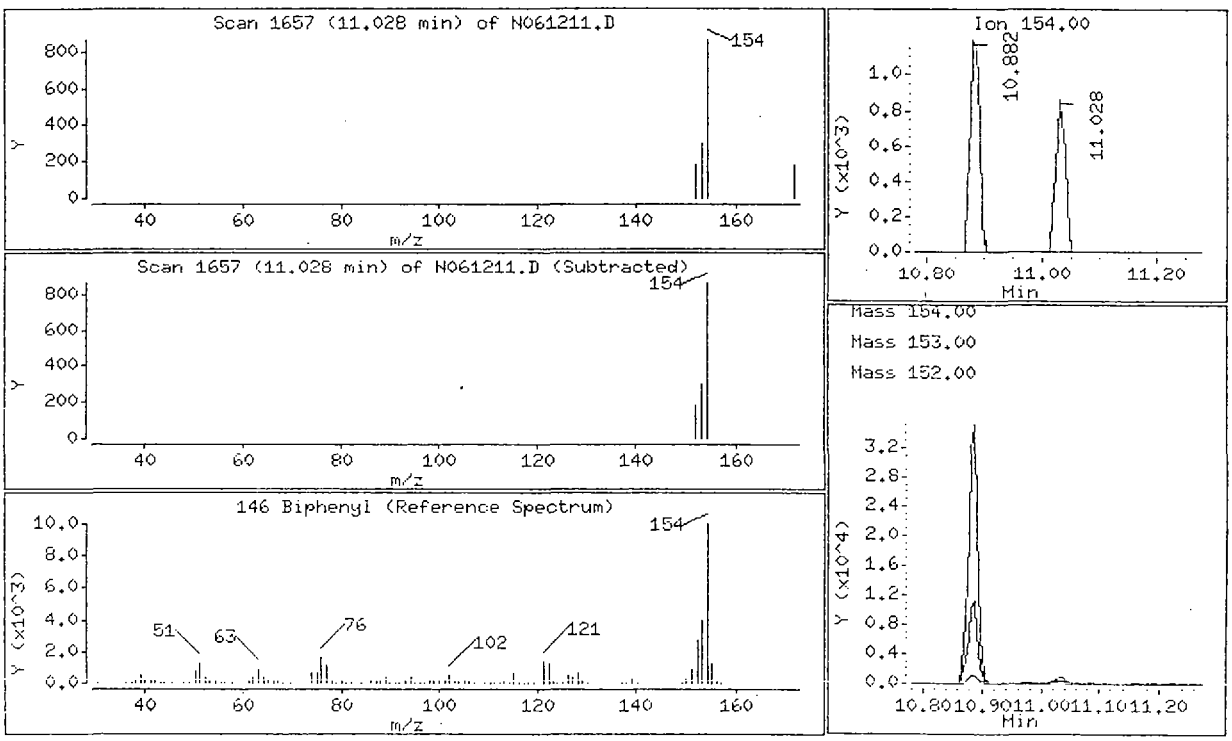
Data File: \\aussvr02\ms_data\MSN1.:\N061207.B\N061211.D Page 3

Date : 12-JUN-2007 12:52 Sample Info: JOFF11AAB;I7F060000-509;1;0;;1;1000;;1000

18 1,2-Dichlorobenzene Concentration: 0.10670 ug/L



146 Biphenyl Concentration: 0.11043 ug/L



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D
Lab Smp Id: J0FF11ACC Client Smp ID: I7F060000-509
Inj Date : 12-JUN-2007 13:21
Operator : malloym Inst ID: MSN1.i
Smp Info : J0FF11ACC;I7F060000-509;1;0;;1;1000;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.165	7.159	(1.000)	120291	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.156	9.150	(1.000)	467622	40.0000		REV
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	262661	40.0000		REV
* 93 Phenanthrene-d10	188	14.292	14.303	(1.000)	463708	40.0000		REV
* 114 Chrysene-d12	240	18.549	18.544	(1.000)	443394	40.0000		REV
* 122 Perylene-d12	264	20.691	20.691	(1.000)	425531	40.0000		REV
$ 6 2-Fluorophenol	112	5.293	5.302	(0.739)	483965	114.587	114.59	REV
$ 12 Phenol-d5	99	6.760	6.764	(0.944)	641432	124.977	124.98	REV
$ 82 2,4,6-Tribromophenol	330	13.240	13.244	(0.926)	142666	143.697	143.70	REV
$ 29 Nitrobenzene-d5	82	8.087	8.092	(0.883)	371322	83.8541	83.854	REV
$ 54 2-Fluorobiphenyl	172	10.893	10.892	(0.911)	749814	85.3296	85.330	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	853101	92.8016	92.802	REV
1 Pyridine	79	2.902	2.896	(0.405)	298171	71.9541	71.954	REV
2 N-Nitrosodimethylamine	74	2.940	2.934	(0.410)	195463	81.4873	81.487	REV
4 N-Nitrosomethylethylamine	88	4.532	4.525	(0.633)	155782	70.9419	70.942	REV
7 N-Nitrosodiethylamine	102	5.643	5.642	(0.788)	160541	75.3891	75.389	REV
9 Pentachloroethane	117	6.717	6.716	(0.937)	111893	75.4143	75.414	REV
10 Aniline	93	6.749	6.748	(0.942)	427976	65.8659	65.866	REV
11 bis(2-Chloroethyl)ether	93	6.841	6.835	(0.955)	316797	74.4526	74.452	REV
13 Phenol	94	6.776	6.786	(0.946)	462240	76.0065	76.006	REV
14 2-Chlorophenol	128	6.917	6.921	(0.965)	346585	76.4181	76.418	REV
15 1,3-Dichlorobenzene	146	7.105	7.104	(0.992)	348659	73.1591	73.159	REV

Data File: \\aussvr02\ins_data\MSN1:1\N061207.B\N061212.D Page 2
Report Date: 13-Jun-2007 10:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
16 1,4-Dichlorobenzene	146	7.186	7.191	(1.003)	363247	73.5317	73.532	REV
18 1,2-Dichlorobenzene	146	7.478	7.477	(1.044)	338890	73.9006	73.901	REV
19 Benzyl Alcohol	108	7.445	7.450	(1.039)	224787	79.6545	79.654	REV
20 bis(2-Chloroisopropyl)ether	45	7.656	7.655	(1.069)	371224	75.3344	75.334	REV
21 2-Methylphenol	108	7.672	7.671	(1.071)	293530	73.9714	73.971	REV
22 Acetophenone	105	7.850	7.854	(1.096)	454893	78.1238	78.124	REV
23 N-Nitroso-di-n-propylamine	70	7.893	7.903	(1.102)	229169	79.7269	79.727	REV
24 N-Nitrosopyrrolidine	100	7.877	7.887	(1.099)	165811	79.7412	79.741	REV
25 3-(and/or 4-)Methylphenol	108	7.899	7.914	(1.102)	308586	72.8593	72.859(a)	REV
28 Hexachloroethane	117	7.936	7.935	(1.108)	132199	74.8448	74.845	REV
30 Nitrobenzene	77	8.114	8.119	(0.886)	352711	76.5876	76.588	REV
31 N-Nitrosopiperidine	114	8.352	8.361	(0.912)	160706	76.5305	76.530	REV
32 Isophorone	82	8.471	8.475	(0.925)	622134	77.3674	77.367	REV
33 2-Nitrophenol	139	8.611	8.610	(0.940)	189243	79.9631	79.963	REV
34 2,4-Dimethyphenol	107	8.697	8.701	(0.950)	226741	50.4480	50.448	REV
35 Bis(2-chloroethoxy)methane	93	8.821	8.825	(0.963)	367553	79.5555	79.556	REV
36 2,4-Dichlorophenol	162	8.994	8.993	(0.982)	273207	79.9373	79.937	REV
38 1,2,4-Trichlorobenzene	180	9.091	9.095	(0.993)	294722	77.5142	77.514	REV
39 Benzoic Acid	122	8.972	8.993	(0.980)	68441	70.4249	70.425	REV
41 Naphthalene	128	9.188	9.187	(1.004)	946360	76.5719	76.572	REV
42 4-Chloroaniline	127	9.334	9.338	(1.019)	364535	71.6772	71.677	REV
43 2,6-Dichlorophenol	162	9.339	9.343	(1.020)	271274	80.0207	80.021	REV
44 Hexachloropropene	213	9.366	9.365	(1.023)	174943	76.8159	76.816	REV
45 Hexachlorobutadiene	225	9.458	9.462	(1.033)	175097	78.1167	78.117	REV
46 N-Nitroso-di-n-butylamine	84	9.879	9.883	(1.079)	216509	78.3891	78.389	REV
47 4-Chloro-3-Methylphenol	107	10.132	10.131	(1.107)	299524	79.2673	79.267	REV
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	646423	79.4657	79.466	REV
50 Hexachlorocyclopentadiene	237	10.623	10.622	(0.889)	11307	31.2738	31.274	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.607	10.606	(0.887)	300483	81.4043	81.404	REV
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	196807	86.8988	86.899	REV
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	204026	84.1589	84.159	REV
55 2-Chloronaphthalene	127	11.050	11.048	(0.924)	265488	88.5866	88.586	REV
~~56 Isosafrole~~	~~162~~	~~11.050~~	~~10.973~~	~~(0.924)~~	~~601242~~	~~191.006~~	~~191.00(AO)~~	~~REV~~
57 2-Nitroaniline	65	11.298	11.307	(0.945)	181322	78.0426	78.043	REV
59 Dimethylphthalate	163	11.616	11.626	(0.972)	665802	80.0613	80.061	REV
60 2,6-Dinitrotoluene	165	11.740	11.744	(0.982)	158068	78.6222	78.622	REV
62 Acenaphthylene	152	11.713	11.717	(0.980)	962739	77.3330	77.333	REV
63 3-Nitroaniline	138	11.967	11.976	(1.001)	175490	79.0359	79.036	REV
65 Acenaphthene	153	12.010	12.014	(1.004)	593106	79.5874	79.587	REV
66 2,4-Dinitrophenol	184	12.139	12.149	(1.015)	74703	77.8276	77.828	REV
67 Dibenzofuran	168	12.258	12.262	(1.025)	832074	79.7981	79.798	REV
68 4-Nitrophenol	109	12.312	12.327	(1.030)	86202	86.2918	86.292	REV
69 Pentachlorobenzene	250	12.301	12.300	(1.029)	252290	82.6627	82.663	REV
70 2,4-Dinitrotoluene	165	12.366	12.381	(1.034)	214864	81.1353	81.135	REV
72 2,3,4,6-tetrachlorophenol	232	12.549	12.559	(1.050)	157331	86.0807	86.081	REV
74 Diethylphthalate	149	12.738	12.748	(1.065)	670288	82.2600	82.260	REV
75 4-Chlorophenyl-phenylether	204	12.808	12.807	(1.071)	326467	80.5607	80.561	REV
76 Fluorene	166	12.808	12.813	(1.071)	642712	79.5214	79.521	REV
78 4,6-Dinitro-2-methylphenol	198	13.024	13.034	(0.911)	119748	83.7216	83.722	REV
79 4-Nitroaniline	138	12.965	12.980	(1.084)	172914	80.5805	80.580	REV
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	479312	64.6894	64.689	REV
81 Azobenzene	77	13.062	13.066	(0.914)	708234	84.4713	84.471	REV
84 4-Bromophenyl-phenylether	248	13.580	13.579	(0.950)	192995	81.8769	81.877	REV
87 Hexachlorobenzene	284	13.812	13.816	(0.966)	192174	82.4871	82.487	REV

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D Page 3
Report Date: 13-Jun-2007 10:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
88 ~~1,3,5-Trinitrobenzene~~	~~75~~	~~13.575~~	~~13.636~~	~~(0.950)~~	~~30621~~	~~15.1672~~	~~15.387(Q)~~	REV
90 Pentachlorophenol	266	14.125	14.135	(0.988)	88586	96.3908	96.391	REV
94 Phenanthrene	178	14.335	14.345	(1.003)	971472	81.8234	81.823	REV
95 Anthracene	178	14.406	14.415	(1.008)	929982	78.3485	78.348	REV
96 Dinoseb	211	14.416	14.421	(1.009)	166056	84.5088	84.509	REV
97 Carbazole	167	14.697	14.701	(1.028)	934571	82.9083	82.908	REV
98 Di-n-Butylphthalate	149	15.312	15.316	(1.071)	1048435	80.4597	80.460	REV
102 Fluoranthene	202	16.245	16.244	(1.137)	1055389	80.8511	80.851	REV
103 Benzidine	184	16.483	16.492	(0.889)	74931	12.8621	12.862	REV
104 Pyrene	202	16.601	16.606	(0.895)	1103411	76.8694	76.869	REV
110 Butylbenzylphthalate	149	17.697	17.701	(0.954)	455678	73.9237	73.924	REV
112 3,3'-Dichlorobenzidine	252	18.517	18.527	(0.998)	305609	65.1313	65.131	REV
113 Benzo(a)anthracene	228	18.522	18.527	(0.999)	971505	75.0983	75.098	REV
115 bis(2-Ethylhexyl)phthalate	149	18.625	18.624	(1.004)	604340	74.3199	74.320	REV
116 Chrysene	228	18.592	18.597	(1.002)	849942	70.9900	70.990	REV
117 Di-n-octylphthalate	149	19.547	19.552	(0.945)	1000959	70.5841	70.584	REV
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1061636	75.3467	75.347	REV
120 Benzo(k)fluoranthene	252	20.195	20.210	(0.976)	1030260	70.8146	70.815	REV
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	940314	74.3131	74.313	REV
125 Indeno(1,2,3-cd)pyrene	276	22.234	22.244	(1.075)	1090373	79.2019	79.202	REV
126 Dibenz(a,h)anthracene	278	22.229	22.244	(1.074)	741866	66.2505	66.250	REV
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	969670	84.6236	84.624	REV
146 Biphenyl	154	11.028	11.028	(0.922)	805173	91.6305	91.630	REV
149 Diphenyl ether	170	11.206	11.206	(0.937)	431213	88.1394	88.139	REV

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061212.D

Date : 12-JUN-2007 13:21

Client ID: I7F060000-509

Instrument: MSN1.i

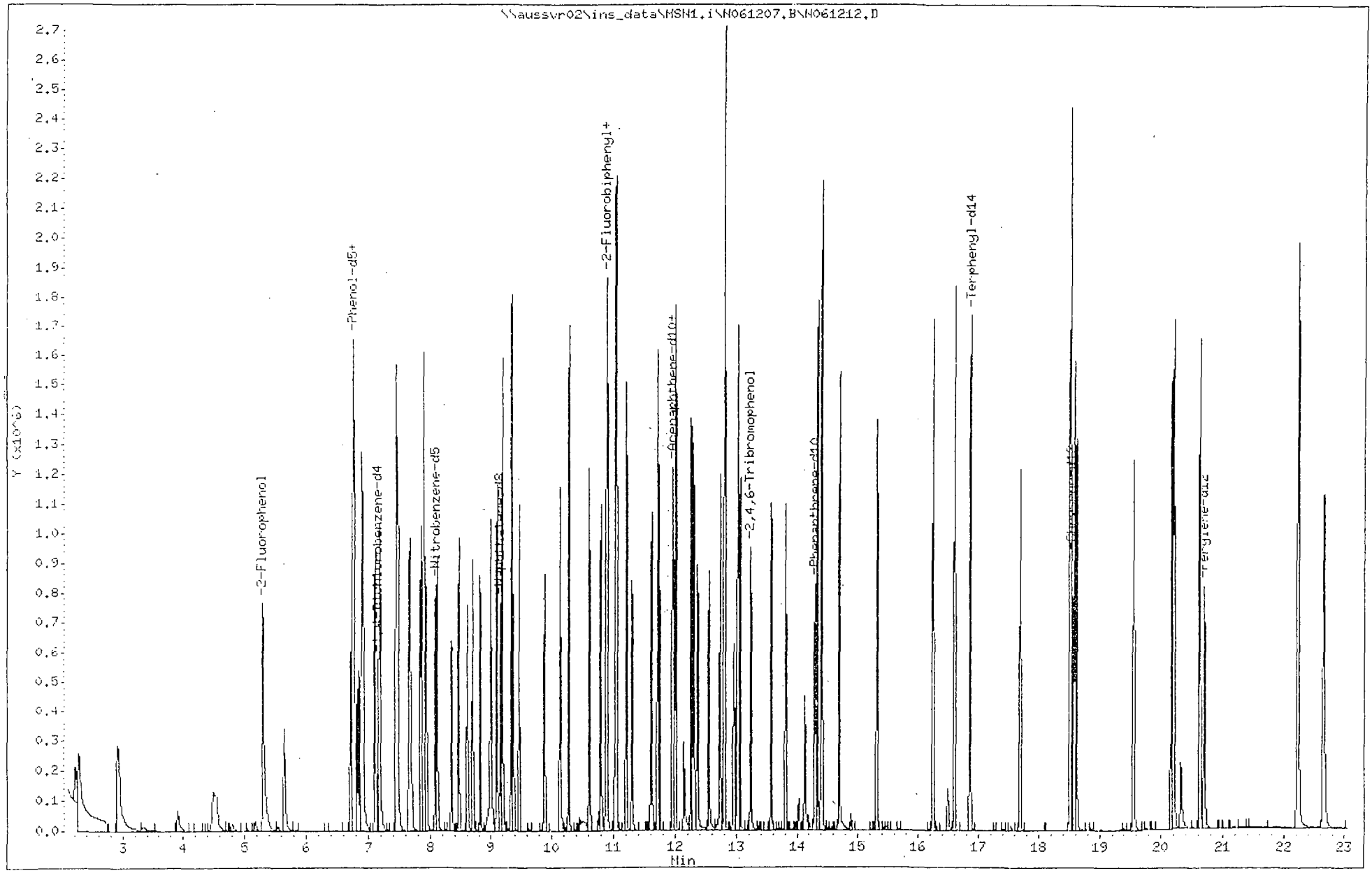
Sample Info: J0FF11ACC;I7F060000-509;1;0;;1;1000;;1000

Volume Injected (uL): 0.5

Operator: malloym

Column phase: Rtx5-MS

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D
Lab Smp Id: J0A4E1AC Client Smp ID: OMW27B
Inj Date : 12-JUN-2007 13:50
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.162	7.159	(1.000)	120370	40.0000		REV
* 40 Naphthalene-d8	136	9.147	9.150	(1.000)	466951	40.0000		REV
* 64 Acenaphthene-d10	164	11.953	11.956	(1.000)	269822	40.0000		REV
* 93 Phenanthrene-d10	188	14.289	14.303	(1.000)	463290	40.0000		REV
* 114 Chrysene-d12	240	18.541	18.544	(1.000)	452160	40.0000		REV
* 122 Perylene-d12	264	20.683	20.691	(1.000)	432361	40.0000		REV
$ 6 2-Fluorophenol	112	5.289	5.302	(0.739)	483630	114.433	108.98	REV
$ 12 Phenol-d5	99	6.762	6.764	(0.944)	649219	126.411	120.39	REV
$ 82 2,4,6-Tribromophenol	330	13.231	13.244	(0.926)	150636	151.861	144.63	REV
$ 29 Nitrobenzene-d5	82	8.079	8.092	(0.883)	363435	82.1910	78.277	REV
$ 54 2-Fluorobiphenyl	172	10.884	10.892	(0.911)	733524	81.2603	77.391	REV
$ 105 Terphenyl-d14	244	16.863	16.865	(0.909)	886932	94.6113	90.106	REV
22 Acetophenone	105	7.863	7.854	(1.098)	1097	0.18828	0.17931(a)	REV
25 3-(and/or 4-)Methylphenol	108	7.933	7.914	(1.108)	799	0.18853	0.17955(aQ)	REV
39 Benzoic Acid	122	8.947	8.993	(0.978)	3196	15.4084	14.675	REV
98 Di-n-Butylphthalate	149	15.303	15.316	(1.071)	4282	0.32891	0.31325(a)	REV
110 Butylbenzylphthalate	149	17.688	17.701	(0.954)	1101	0.17515	0.16681(aQ)	REV
115 bis(2-Ethylhexyl)phthalate	149	18.616	18.624	(1.004)	5506	0.66398	0.63236(a)	REV
146 Biphenyl	154	11.025	11.028	(0.922)	1164	0.12895	0.12281(a)	REV
174 Caprolactam	113	9.870	9.850	(1.079)	2757	2.14687	2.0446(a)	REV

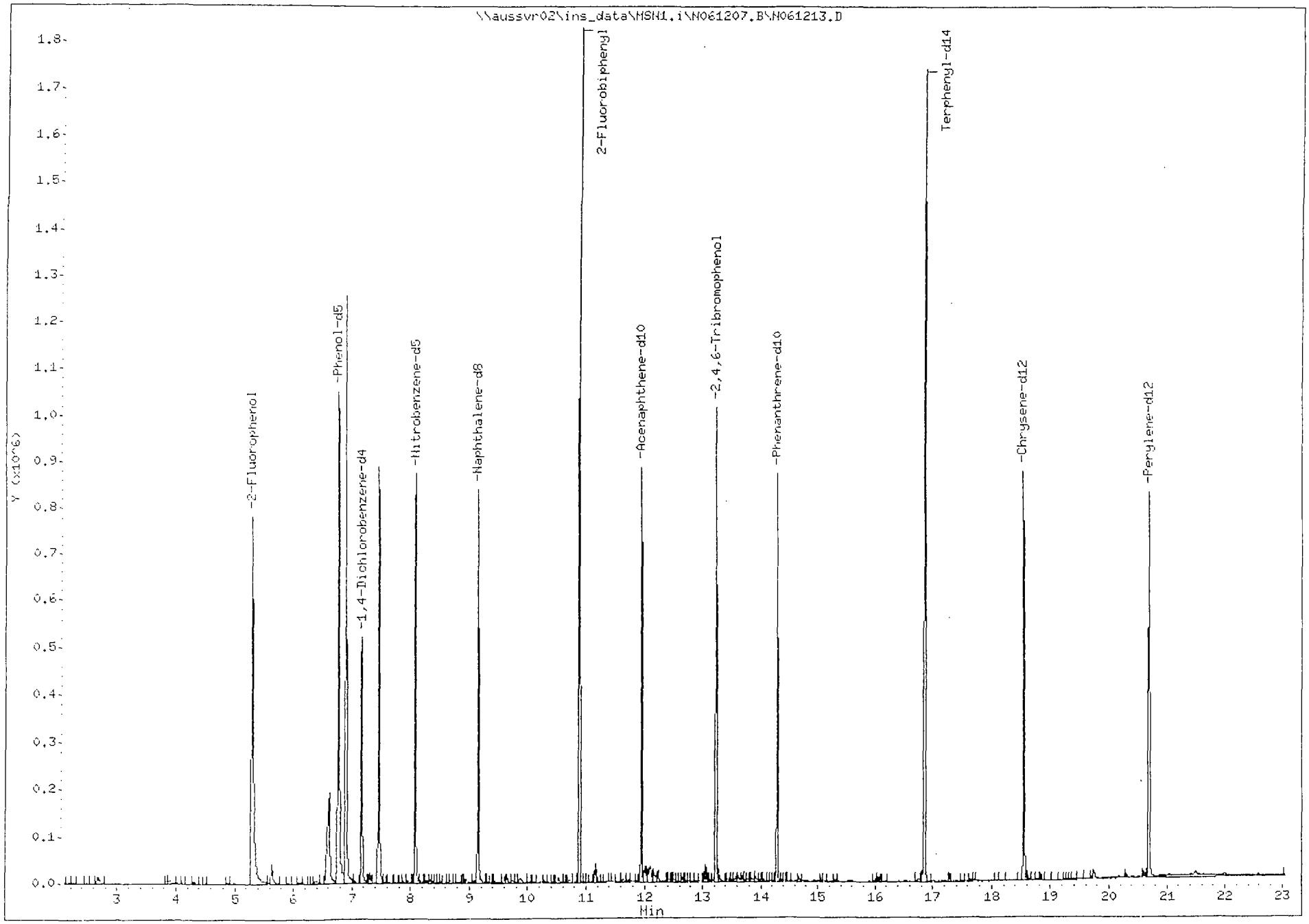
6/14-7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061213.D
Date : 12-JUN-2007 13:50

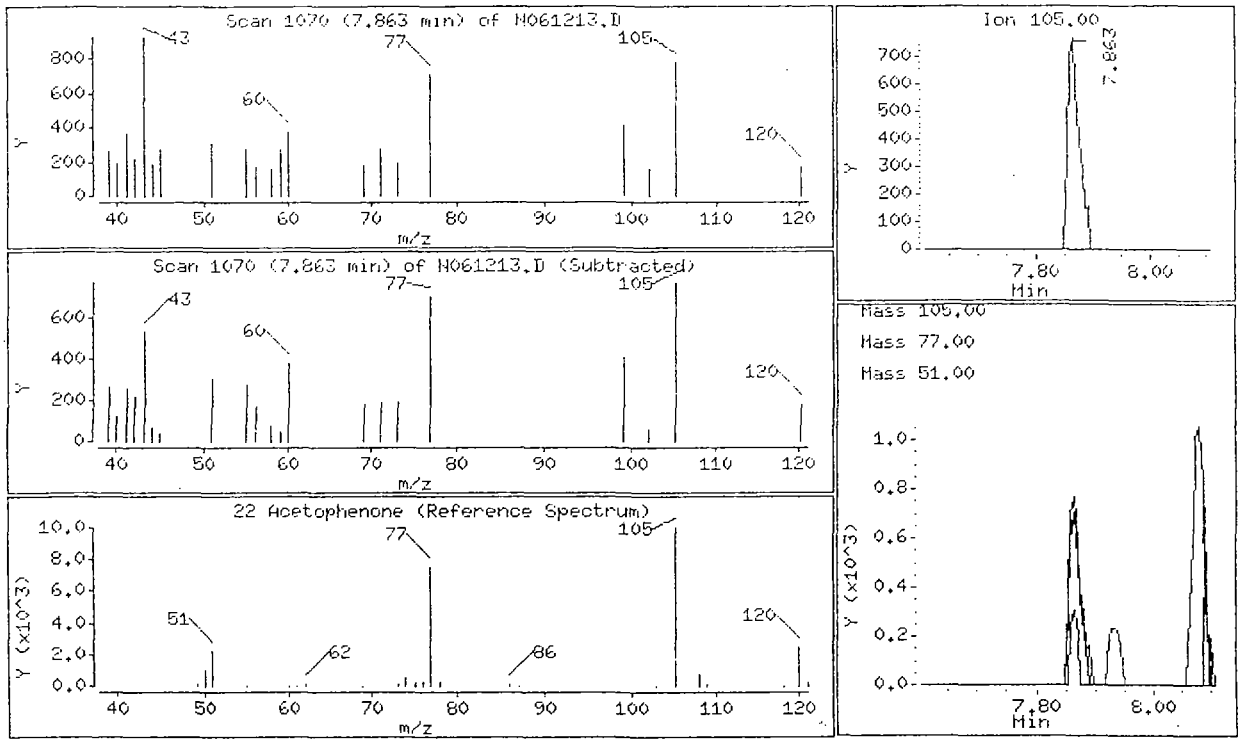
Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000



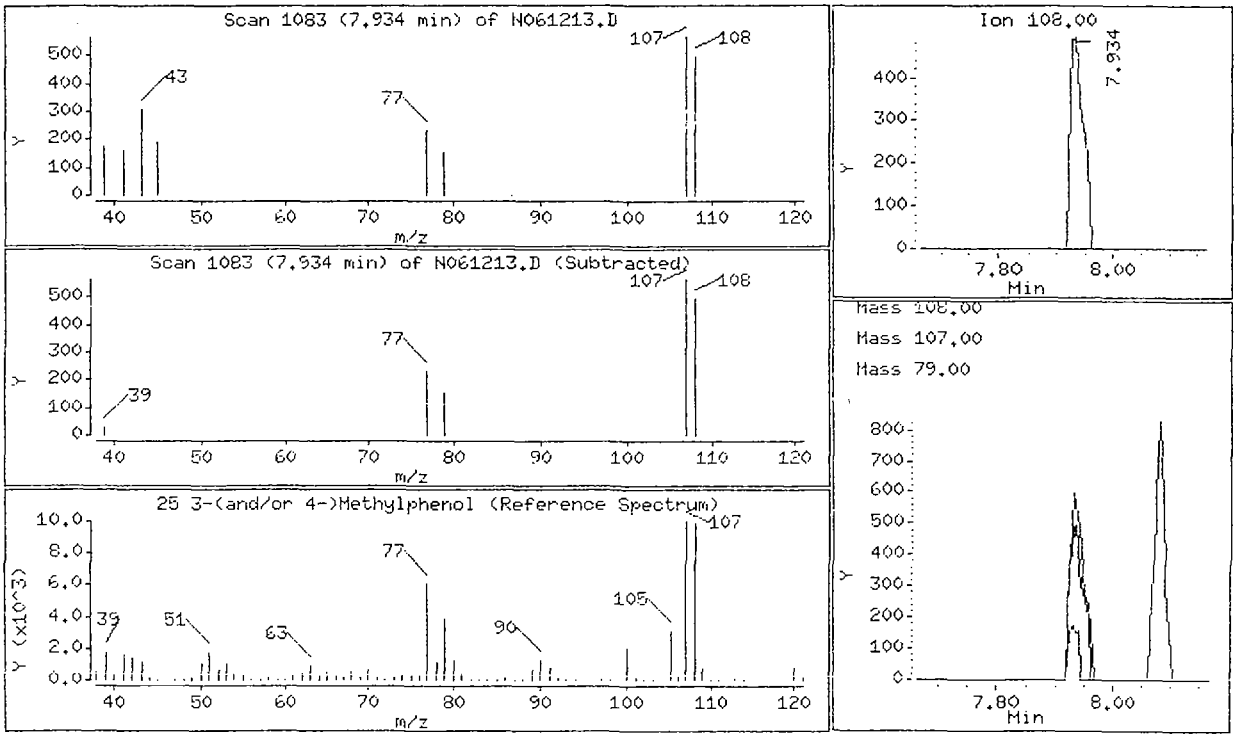
Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061213.D Page 4

Date : 12-JUN-2007 13:50 Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000

22 Acetophenone Concentration: 0.17931 ug/L



25 3-(and/or 4-)Methylphenol Concentration: 0.17955 ug/L



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061213.D

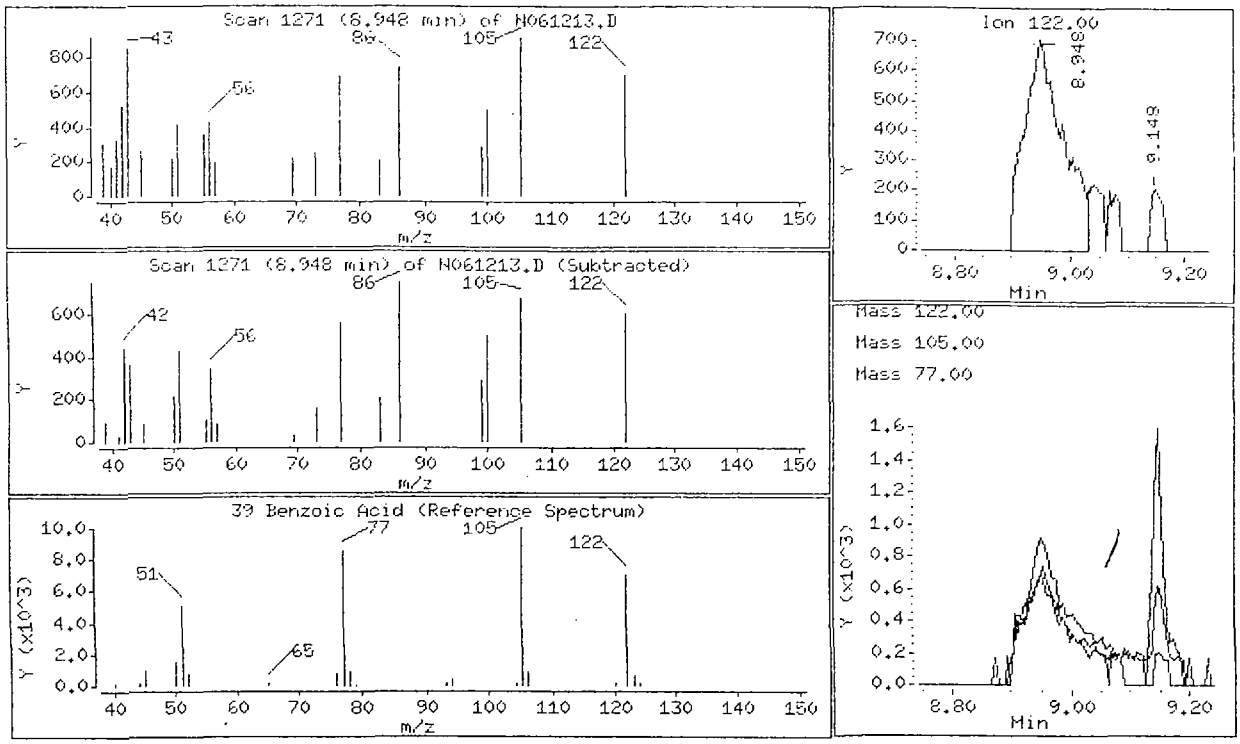
Page 5

Date : 12-JUN-2007 13:50

Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000

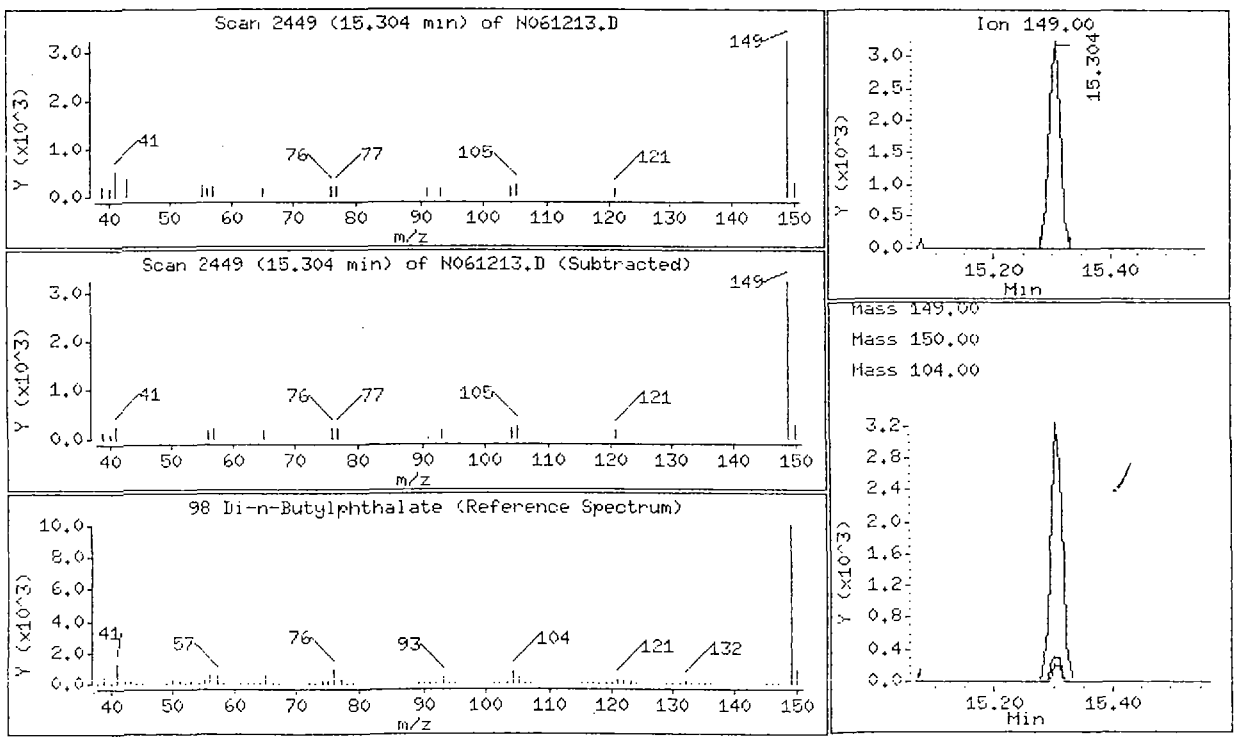
39 Benzoic Acid

Concentration: 14.675 ug/L



98 Di-n-Butylphthalate

Concentration: 0.31325 ug/L



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061213.D

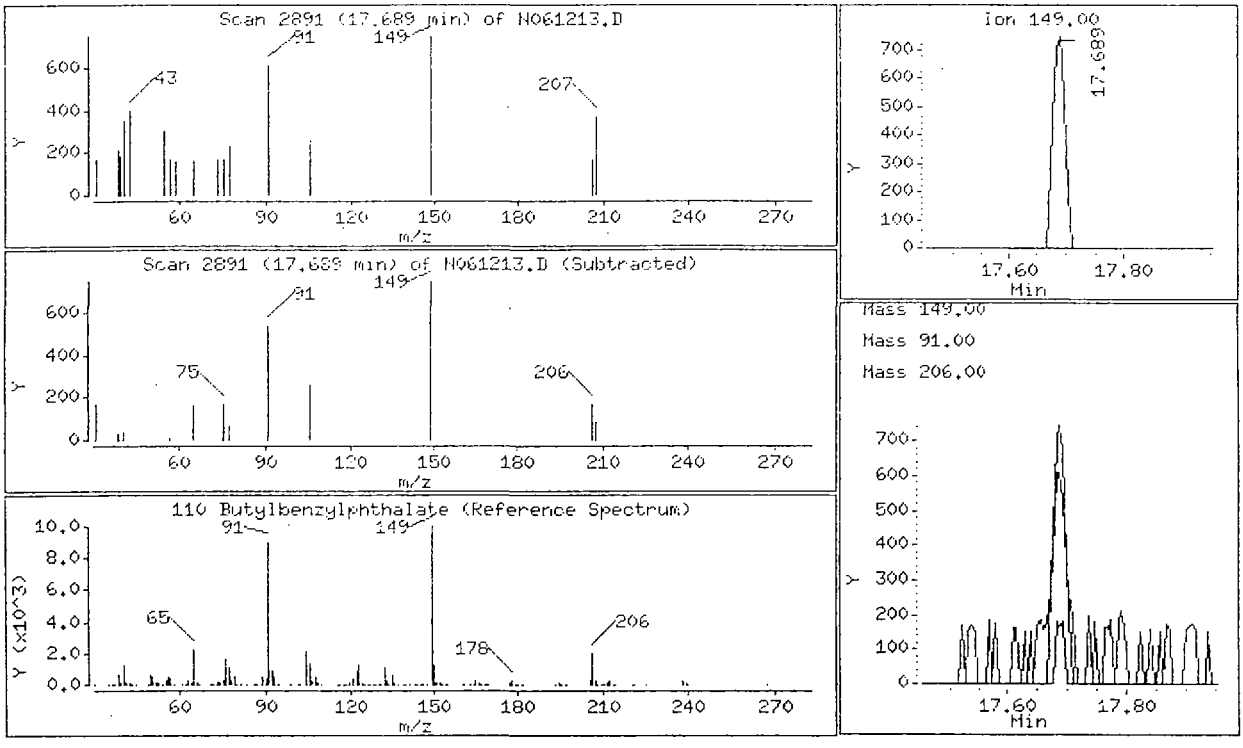
Page 6

Date : 12-JUN-2007 13:50

Sample Info: J0A4E1AC:I7F050254-01;1;0;;1;1050;;1000

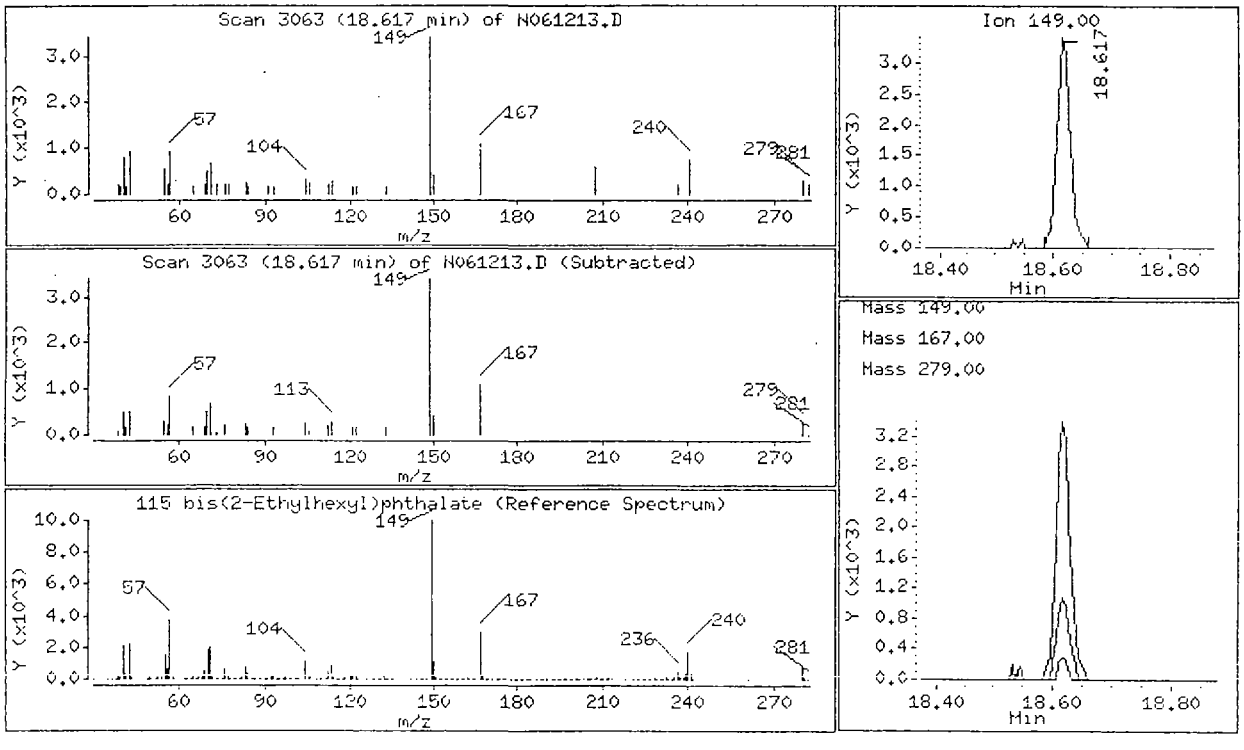
110 Butylbenzylphthalate

Concentration: 0.16681 ug/L



115 bis(2-Ethylhexyl)phthalate

Concentration: 0.63236 ug/L



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061213.D

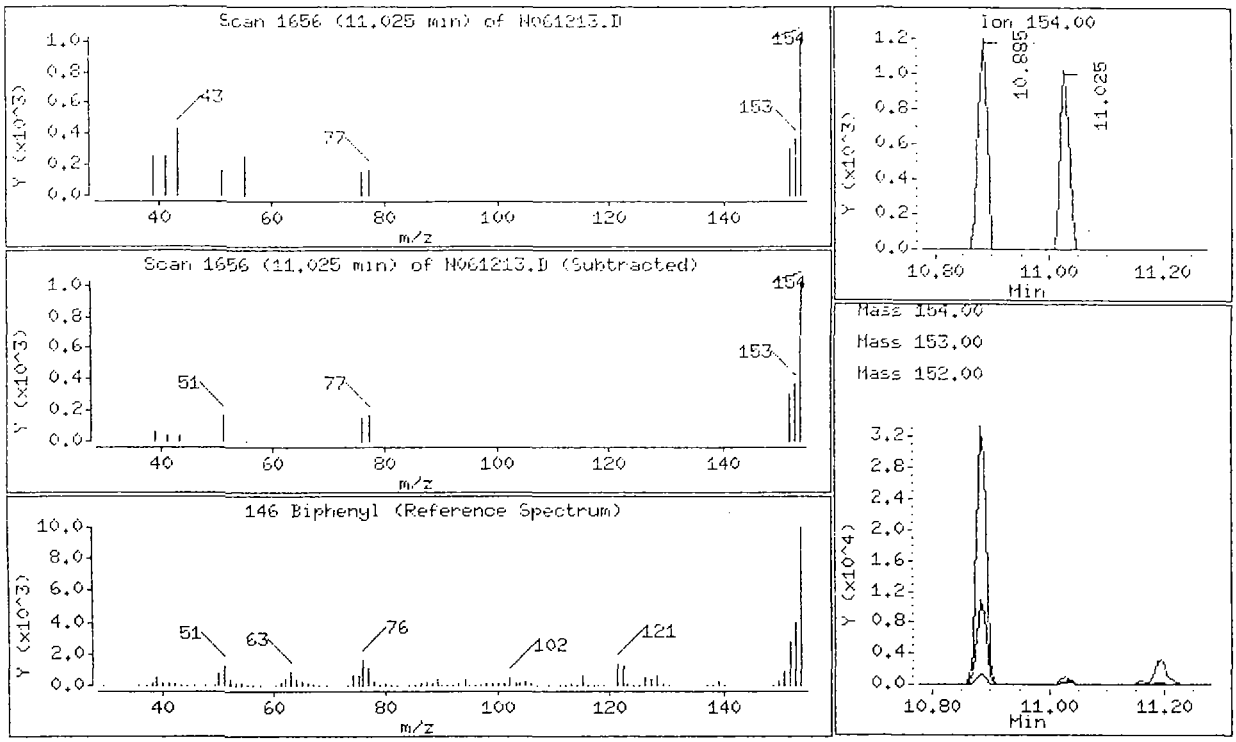
Page 7

Date : 12-JUN-2007 13:50

Sample Info: J0A4E1AC;I7F050254-01;1;0;;1;1050;;1000

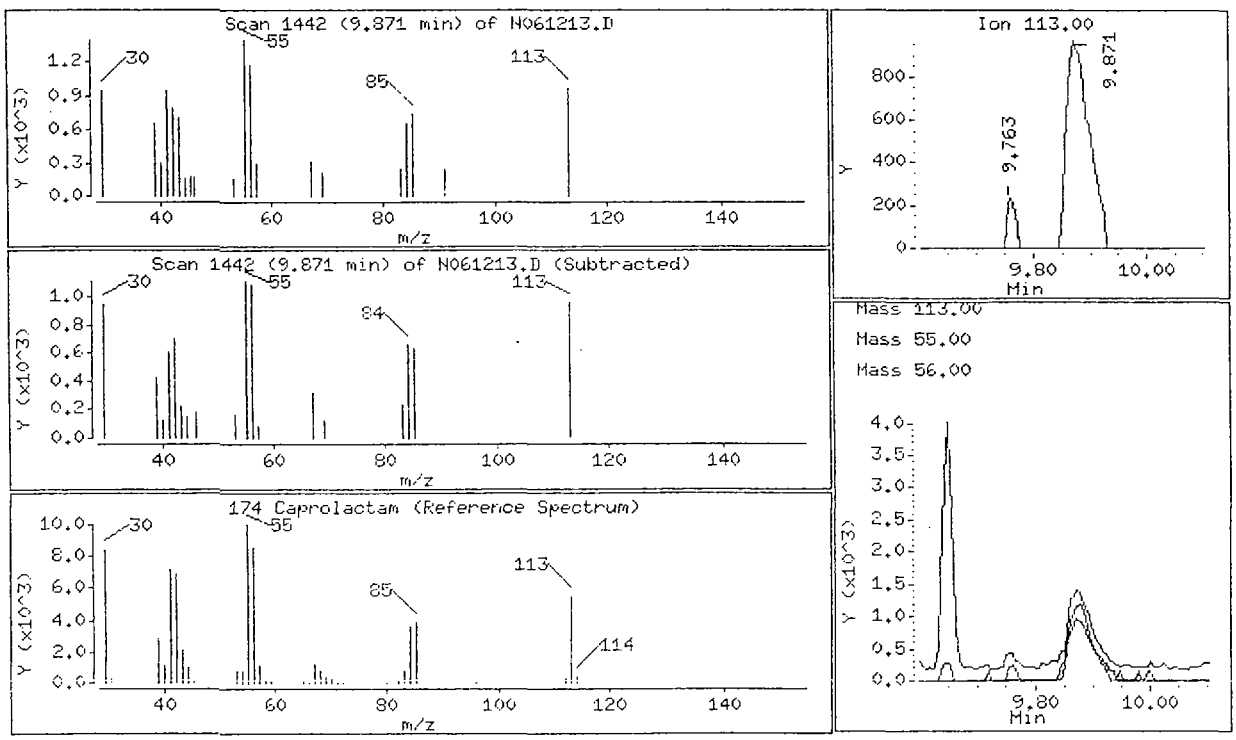
146 Biphenyl

Concentration: 0.12281 ug/L



174 Caprolactam

Concentration: 2.0446 ug/L



Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D Page 1
Report Date: 18-Jun-2007 10:42

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D
Lab Smp Id: J0A4E1A3S Client Smp ID: I7F050254-01S
Inj Date : 12-JUN-2007 14:20
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1A3S;I7F050254-01S;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUSDJ7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.166	7.159	(1.000)	115610	40.0000	(Q)	Rev
* 40 Naphthalene-d8	136	9.157	9.150	(1.000)	451619	40.0000		Rev
* 64 Acenaphthene-d10	164	11.957	11.956	(1.000)	256754	40.0000		Rev
* 93 Phenanthrene-d10	188	14.293	14.303	(1.000)	447883	40.0000		Rev
* 114 Chrysene-d12	240	18.550	18.544	(1.000)	429624	40.0000		Rev
* 122 Perylene-d12	264	20.692	20.691	(1.000)	419884	40.0000		Rev
$ 6 2-Fluorophenol	112	5.304	5.302	(0.740)	499784	123.124	117.26	Rev
$ 12 Phenol-d5	99	6.772	6.764	(0.945)	663395	134.490	128.08	Rev
$ 82 2,4,6-Tribromophenol	330	13.241	13.244	(0.926)	149365	155.760	148.34	Rev
$ 29 Nitrobenzene-d5	82	8.088	8.092	(0.883)	387221	90.5431	86.232	Rev
$ 54 2-Fluorobiphenyl	172	10.894	10.892	(0.911)	779037	90.6948	86.376	Rev
$ 105 Terphenyl-d14	244	16.861	16.865	(0.909)	866193	97.2459	92.615	Rev
1 Pyridine	79	2.909	2.896	(0.406)	92551	23.2385	22.132	Rev
2 N-Nitrosodimethylamine	74	2.936	2.934	(0.410)	204380	88.6547	84.433	Rev
4 N-Nitrosomethylethylamine	88	4.527	4.525	(0.632)	163621	77.5286	73.837	Rev
7 N-Nitrosodiethylamine	102	5.644	5.642	(0.788)	169295	82.7189	78.780	Rev
9 Pentachloroethane	117	6.718	6.716	(0.938)	114292	80.1501	76.333	Rev
11 bis(2-Chloroethyl)ether	93	6.836	6.835	(0.954)	326491	79.8376	76.036	Rev
13 Phenol	94	6.793	6.786	(0.948)	798077	136.542	130.04	Rev
14 2-Chlorophenol	128	6.923	6.921	(0.966)	363318	83.3511	79.382	Rev
15 1,3-Dichlorobenzene	146	7.106	7.104	(0.992)	357020	77.9467	74.235	Rev
16 1,4-Dichlorobenzene	146	7.187	7.191	(1.003)	377932	79.6020	75.811	Rev

UMB 1.3.07

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D Page 2
Report Date: 18-Jun-2007 10:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.479	7.477	(1.044)	348740	79.1278	75.360	Rev
19 Benzyl Alcohol	108	7.452	7.450	(1.040)	235903	86.9782	82.836	Rev
20 bis(2-Chloroisopropyl)ether	45	7.657	7.655	(1.069)	389231	82.1869	78.273	Rev
21 2-Methylphenol	108	7.678	7.671	(1.072)	298058	78.1537	74.432	Rev
22 Acetophenone	105	7.851	7.854	(1.096)	481505	86.0424	81.945	Rev
23 N-Nitroso-di-n-propylamine	70	7.899	7.903	(1.102)	250891	87.0208	82.877	Rev
24 N-Nitrosopyrrolidine	100	7.878	7.887	(1.099)	175553	87.8446	83.662	Rev
25 3-(and/or 4-)Methylphenol	108	7.905	7.914	(1.103)	316756	77.6165	74.111(Q)	Rev
28 Hexachloroethane	117	7.937	7.935	(1.108)	137064	80.7411	76.896	Rev
30 Nitrobenzene	77	8.121	8.119	(0.887)	670910	150.844	143.66(A)	Rev
31 N-Nitrosopiperidine	114	8.358	8.361	(0.913)	169252	83.4563	79.482	Rev
32 Isophorone	82	8.471	8.475	(0.925)	653438	84.1397	80.133	Rev
33 2-Nitrophenol	139	8.612	8.610	(0.940)	204354	89.4078	85.150	Rev
34 2,4-Dimethyphenol	107	8.698	8.701	(0.950)	158346	36.4791	34.742	Rev
35 Bis(2-chloroethoxy)methane	93	8.822	8.825	(0.963)	383427	85.9322	81.840	Rev
36 2,4-Dichlorophenol	162	8.995	8.993	(0.982)	285995	86.6441	82.518	Rev
38 1,2,4-Trichlorobenzene	180	9.092	9.095	(0.993)	306299	83.4136	79.442	Rev
39 Benzoic Acid	122	8.995	8.993	(0.982)	156368	149.245	142.14	Rev
41 Naphthalene	128	9.189	9.187	(1.004)	983567	82.4024	78.478	Rev
42 4-Chloroaniline	127	9.340	9.338	(1.020)	9576	1.94961	1.8568(a)	Rev
43 2,6-Dichlorophenol	162	9.340	9.343	(1.020)	286880	87.6228	83.450	Rev
44 Hexachloropropene	213	9.367	9.365	(1.023)	184449	83.8597	79.866	Rev
45 Hexachlorobutadiene	225	9.459	9.462	(1.033)	181078	83.6476	79.664	Rev
46 N-Nitroso-di-n-butylamine	84	9.880	9.883	(1.079)	231214	86.6795	82.552	Rev
47 4-Chloro-3-Methylphenol	107	10.133	10.131	(1.107)	316763	86.8000	82.667	Rev
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	673775	85.7631	81.679	Rev
50 Hexachlorocyclopentadiene	237	10.624	10.622	(0.889)	18665	38.9856	37.129	Rev
51 1,2,4,5-Tetrachlorobenzene	216	10.602	10.606	(0.887)	310860	86.1531	82.050	Rev
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	211795	95.6681	91.112	Rev
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	216247	91.2522	86.907	Rev
55 2-Chloronaphthalene	127	11.045	11.048	(0.924)	280358	95.7005	91.143	Rev
57 2-Nitroaniline	65	11.293	11.307	(0.944)	119390	52.5688	50.065	Rev
59 Dimethylphthalate	163	11.617	11.626	(0.972)	696281	85.6526	81.574	Rev
60 2,6-Dinitrotoluene	165	11.741	11.744	(0.982)	166050	84.4926	80.469	Rev
62 Acenaphthylene	152	11.714	11.717	(0.980)	1001925	82.3323	78.412	Rev
63 3-Nitroaniline	138	11.978	11.976	(1.002)	4239	1.95305	1.8600(a)	Rev
65 Acenaphthene	153	12.005	12.014	(1.004)	619885	85.0945	81.042	Rev
66 2,4-Dinitrophenol	184	12.135	12.149	(1.015)	99681	101.122	96.307	Rev
67 Dibenzofuran	168	12.259	12.262	(1.025)	884913	86.8179	82.684	Rev
68 4-Nitrophenol	109	12.313	12.327	(1.030)	104531	107.047	101.95	Rev
69 Pentachlorobenzene	250	12.297	12.300	(1.028)	263449	88.3048	84.100	Rev
70 2,4-Dinitrotoluene	165	12.367	12.381	(1.034)	228427	88.2413	84.039	Rev
72 2,3,4,6-tetrachlorophenol	232	12.550	12.559	(1.050)	181760	101.734	96.890	Rev
74 Diethylphthalate	149	12.734	12.748	(1.065)	711750	89.3580	85.103	Rev
75 4-Chlorophenyl-phenylether	204	12.804	12.807	(1.071)	342792	86.5352	82.414	Rev
76 Fluorene	166	12.809	12.813	(1.071)	677053	85.6976	81.617	Rev
78 4,6-Dinitro-2-methylphenol	198	13.014	13.034	(0.911)	133770	96.3300	91.743	Rev
79 4-Nitroaniline	138	12.955	12.980	(1.083)	19372	9.23533	8.7956(a)	Rev
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	481928	66.5388	63.370	Rev
81 Azobenzene	77	13.057	13.066	(0.914)	738732	91.2219	86.878	Rev
84 4-Bromophenyl-phenylether	248	13.575	13.579	(0.950)	202225	88.8240	84.594	Rev
87 Hexachlorobenzene	284	13.813	13.816	(0.966)	199562	88.6848	84.462	Rev
90 Pentachlorophenol	266	14.126	14.135	(0.988)	117084	128.728	122.60	Rev
91 ~~Prorami~~de	~~173~~	~~14.120~~	~~14.189~~	~~(0.988)~~	~~782~~	~~0.23238~~	~~0.22131(aQ)~~	Rev

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D Page 3
Report Date: 18-Jun-2007 10:42

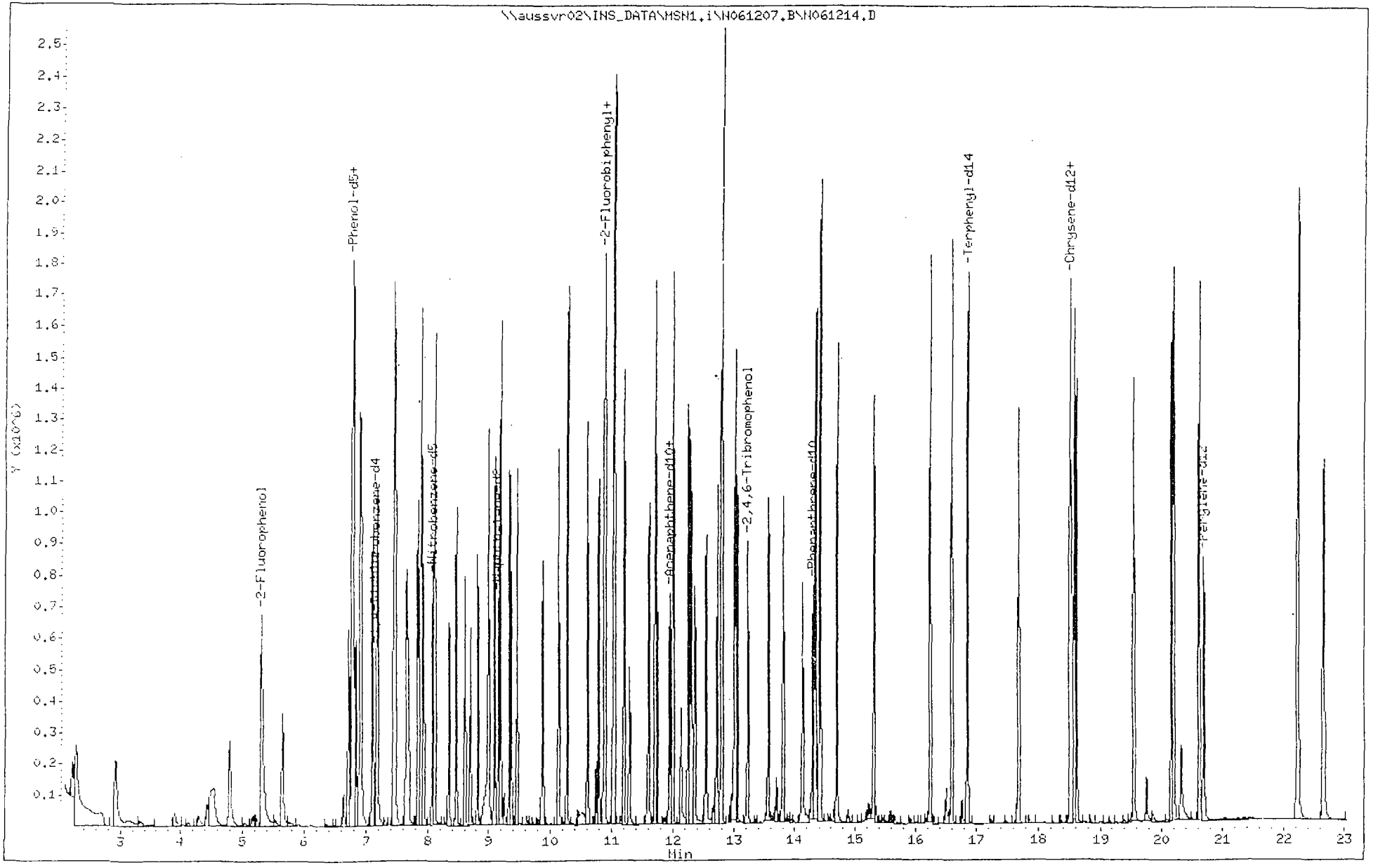
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
94 Phenanthrene	178	14.336	14.345	(1.003)	1034278	90.1912	85.896	Rev
95 Anthracene	178	14.406	14.415	(1.008)	936552	81.6899	77.800	Rev
96 Dinoseb	211	14.412	14.421	(1.008)	181629	95.2748	90.738	Rev
97 Carbazole	167	14.698	14.701	(1.028)	944267	86.7264	82.596	Rev
98 Di-n-Butylphthalate	149	15.313	15.316	(1.071)	1080632	85.8608	81.772	Rev
102 Fluoranthene	202	16.241	16.244	(1.136)	1095474	86.8871	82.750	Rev
104 Pyrene	202	16.602	16.606	(0.895)	1137559	81.7883	77.894	Rev
110 Butylbenzylphthalate	149	17.698	17.701	(0.954)	484946	81.1933	77.327	Rev
112 3,3'-Dichlorobenzidine	252	18.534	18.527	(0.999)	3781	0.83163	0.79203(aQ)	Rev
113 Benzo(a)anthracene	228	18.523	18.527	(0.999)	1049647	83.7393	79.752	Rev
115 bis(2-Ethylhexyl)phthalate	149	18.626	18.624	(1.004)	657331	83.4275	79.455	Rev
116 Chrysene	228	18.593	18.597	(1.002)	898534	77.4540	73.766	Rev
117 Di-n-octylphthalate	149	19.548	19.552	(0.945)	1118951	79.9657	76.158	Rev
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1111797	79.9680	76.160	Rev
120 Benzo(k)fluoranthene	252	20.196	20.210	(0.976)	1119966	78.0158	74.301	Rev
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	975651	78.1428	74.422	Rev
125 Indeno(1,2,3-cd)pyrene	276	22.235	22.244	(1.075)	1138878	83.8378	79.845	Rev
126 Dibenz(a,h)anthracene	278	22.235	22.244	(1.075)	781154	70.6972	67.331	Rev
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	1007057	89.0684	84.827	Rev
146 Biphenyl	154	11.029	11.028	(0.922)	901160	104.913	99.918(A)	Rev
149 Diphenyl ether	170	11.207	11.206	(0.937)	448462	93.7740	89.308	Rev

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061214.D
Date : 12-JUN-2007 14:20
Client ID: I7F050254-01S
Sample Info: J0A4E1A3S;I7F050254-01S;1;0;;1;1050;;1000
Volume Injected (uL): 0.5
Column phase: Rtx5-MS

Instrument: MSN1.i
Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 1
Report Date: 18-Jun-2007 10:43

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D
Lab Smp Id: J0A4E1A4D Client Smp ID: I7F050254-01S
Inj Date : 12-JUN-2007 14:49
Operator : malloym Inst ID: MSN1.i
Smp Info : J0A4E1A4D;I7F050254-01S;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\INS_DATA\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUSDJ7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.165	7.159	(1.000)	118224	40.0000	(Q)	Rev
* 40 Naphthalene-d8	136	9.156	9.150	(1.000)	465203	40.0000		Rev
* 64 Acenaphthene-d10	164	11.956	11.956	(1.000)	265247	40.0000		Rev
* 93 Phenanthrene-d10	188	14.293	14.303	(1.000)	464015	40.0000		Rev
* 114 Chrysene-d12	240	18.550	18.544	(1.000)	443463	40.0000		Rev
* 122 Perylene-d12	264	20.692	20.691	(1.000)	435539	40.0000		Rev
$ 6 2-Fluorophenol	112	5.309	5.302	(0.741)	494205	119.058	113.39	Rev
$ 12 Phenol-d5	99	6.777	6.764	(0.946)	667381	132.306	126.01	Rev
$ 82 2,4,6-Tribromophenol	330	13.241	13.244	(0.926)	145516	146.471	139.50	Rev
$ 29 Nitrobenzene-d5	82	8.088	8.092	(0.883)	389408	88.3957	84.186	Rev
$ 54 2-Fluorobiphenyl	172	10.894	10.892	(0.911)	780669	87.9748	83.785	Rev
$ 105 Terphenyl-d14	244	16.861	16.865	(0.909)	848761	92.3152	87.919	Rev
1 Pyridine	79	2.919	2.896	(0.407)	40081	9.84128	9.3727(a)	Rev
2 N-Nitrosodimethylamine	74	2.935	2.934	(0.410)	211918	89.8919	85.611	Rev
4 N-Nitrosomethylethylamine	88	4.532	4.525	(0.633)	168236	77.9528	74.241	Rev
7 N-Nitrosodiethylamine	102	5.644	5.642	(0.788)	171398	81.8947	77.995	Rev
9 Pentachloroethane	117	6.717	6.716	(0.938)	117402	80.5107	76.677	Rev
11 bis(2-Chloroethyl)ether	93	6.836	6.835	(0.954)	330444	79.0176	75.255	Rev
13 Phenol	94	6.793	6.786	(0.948)	823886	137.841	131.28	Rev
14 2-Chlorophenol	128	6.928	6.921	(0.967)	367376	82.4185	78.494	Rev
15 1,3-Dichlorobenzene	146	7.106	7.104	(0.992)	367564	78.4744	74.738	Rev
16 1,4-Dichlorobenzene	146	7.192	7.191	(1.004)	385513	79.4034	75.622	Rev

6/18/07

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 2
Report Date: 18-Jun-2007 10:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
18 1,2-Dichlorobenzene	146	7.478	7.477	(1.044)	355593	78.8987	75.142	Rev
19 Benzyl Alcohol	108	7.451	7.450	(1.040)	243367	87.7462	83.568	Rev
20 bis(2-Chloroisopropyl)ether	45	7.656	7.655	(1.069)	400957	82.7909	78.848	Rev
21 2-Methylphenol	108	7.694	7.671	(1.074)	279641	71.7033	68.289	Rev
22 Acetophenone	105	7.850	7.854	(1.096)	484492	84.6619	80.630	Rev
23 N-Nitroso-di-n-propylamine	70	7.899	7.903	(1.102)	258455	87.6623	83.488	Rev
24 N-Nitrosopyrrolidine	100	7.877	7.887	(1.099)	180799	88.4693	84.256	Rev
25 3-(and/or 4-)Methylphenol	108	7.904	7.914	(1.103)	296044	71.1201	67.733(Q)	Rev
28 Hexachloroethane	117	7.937	7.935	(1.108)	140373	80.8620	77.011	Rev
30 Nitrobenzene	77	8.120	8.119	(0.887)	692301	151.108	143.91(A)	Rev
31 N-Nitrosopiperidine	114	8.358	8.361	(0.913)	172971	82.7996	78.857	Rev
32 Isophorone	82	8.471	8.475	(0.925)	658627	82.3315	78.411	Rev
33 2-Nitrophenol	139	8.611	8.610	(0.940)	209634	89.0397	84.800	Rev
34 2,4-Dimethyphenol	107	8.698	8.701	(0.950)	88681	19.8334	18.889	Rev
35 Bis(2-chloroethoxy)methane	93	8.822	8.825	(0.963)	390578	84.9788	80.932	Rev
36 2,4-Dichlorophenol	162	8.994	8.993	(0.982)	287357	84.5147	80.490	Rev
38 1,2,4-Trichlorobenzene	180	9.091	9.095	(0.993)	309178	81.7390	77.847	Rev
39 Benzoic Acid	122	9.000	8.993	(0.983)	174459	160.594	152.95(A)	Rev
41 Naphthalene	128	9.189	9.187	(1.004)	1009502	82.1056	78.196	Rev
42 4-Chloroaniline	127	9.334	9.338	(1.019)	5901	1.16633	1.1108(aQ)	Rev
43 2,6-Dichlorophenol	162	9.340	9.343	(1.020)	285946	84.7873	80.750	Rev
44 Hexachloropropene	213	9.367	9.365	(1.023)	189329	83.5649	79.586	Rev
45 Hexachlorobutadiene	225	9.458	9.462	(1.033)	184308	82.6536	78.718	Rev
46 N-Nitroso-di-n-butylamine	84	9.879	9.883	(1.079)	234865	85.4772	81.407	Rev
47 4-Chloro-3-Methylphenol	107	10.133	10.131	(1.107)	311202	82.7861	78.844	Rev
49 2-Methylnaphthalene	142	10.273	10.277	(1.122)	678427	83.8337	79.842	Rev
50 Hexachlorocyclopentadiene	237	10.624	10.622	(0.889)	23089	42.6520	40.621	Rev
51 1,2,4,5-Tetrachlorobenzene	216	10.608	10.606	(0.887)	311928	83.6810	79.696	Rev
52 2,4,6-Trichlorophenol	196	10.791	10.795	(0.903)	212688	92.9954	88.567	Rev
53 2,4,5-Trichlorphenol	196	10.872	10.870	(0.909)	216801	88.5566	84.340	Rev
55 2-Chloronaphthalene	127	11.045	11.048	(0.924)	278322	91.9635	87.584	Rev
57 2-Nitroaniline	65	11.293	11.307	(0.944)	88720	37.8136	36.013	Rev
59 Dimethylphthalate	163	11.616	11.626	(0.972)	705224	83.9750	79.976	Rev
60 2,6-Dinitrotoluene	165	11.741	11.744	(0.982)	167086	82.2975	78.378	Rev
62 Acenaphthylene	152	11.714	11.717	(0.980)	1002213	79.7190	75.923	Rev
63 3-Nitroaniline	138	12.005	11.976	(1.004)	1110	0.49504	0.47147(aQ)	Rev
65 Acenaphthene	153	12.005	12.014	(1.004)	620484	82.4495	78.523	Rev
66 2,4-Dinitrophenol	184	12.140	12.149	(1.015)	98135	97.0256	92.405	Rev
67 Dibenzofuran	168	12.259	12.262	(1.025)	884014	83.9527	79.955	Rev
68 4-Nitrophenol	109	12.313	12.327	(1.030)	102567	101.673	96.831	Rev
69 Pentachlorobenzene	250	12.302	12.300	(1.029)	264087	85.6844	81.604	Rev
70 2,4-Dinitrotoluene	165	12.366	12.381	(1.034)	229057	85.6514	81.573	Rev
72 2,3,4,6-tetrachlorophenol	232	12.550	12.559	(1.050)	180630	97.8648	93.204	Rev
74 Diethylphthalate	149	12.733	12.748	(1.065)	667726	81.1467	77.282	Rev
75 4-Chlorophenyl-phenylether	204	12.809	12.807	(1.071)	348054	85.0502	81.000	Rev
76 Fluorene	166	12.809	12.813	(1.071)	684051	83.8111	79.820	Rev
78 4,6-Dinitro-2-methylphenol	198	13.019	13.034	(0.911)	138512	96.2788	91.694(Q)	Rev
79 4-Nitroaniline	138	12.965	12.980	(1.084)	8551	3.94604	3.7581(a)	Rev
80 N-Nitrosodiphenylamine/DPA	169	13.030	13.039	(1.090)	441607	59.0195	56.209	Rev
81 Azobenzene	77	13.057	13.066	(0.914)	735481	87.6630	83.488	Rev
84 4-Bromophenyl-phenylether	248	13.575	13.579	(0.950)	201910	85.6024	81.526	Rev
87 Hexachlorobenzene	284	13.812	13.816	(0.966)	199970	85.7766	81.692	Rev
90 Pentachlorophenol	266	14.131	14.135	(0.989)	117790	125.251	119.29	Rev
94 Phenanthrene	178	14.336	14.345	(1.003)	1046022	88.0441	83.852	Rev

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D Page 3
Report Date: 18-Jun-2007 10:43

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
95 Anthracene	178	14.406	14.415	(1.008)	909202	76.5472	72.902	Rev
96 Dinoseb	211	14.411	14.421	(1.008)	187479	94.9362	90.415	Rev
97 Carbazole	167	14.697	14.701	(1.028)	919861	81.5493	77.666	Rev
98 Di-n-Butylphthalate	149	15.312	15.316	(1.071)	1067104	81.8382	77.941	Rev
102 Fluoranthene	202	16.246	16.244	(1.137)	1092448	83.6347	79.652	Rev
104 Pyrene	202	16.602	16.606	(0.895)	1131886	78.8409	75.086	Rev
110 Butylbenzylphthalate	149	17.697	17.701	(0.954)	479318	77.7467	74.044	Rev
113 Benzo(a)anthracene	228	18.523	18.527	(0.999)	1048750	81.0568	77.197	Rev
115 bis(2-Ethylhexyl)phthalate	149	18.625	18.624	(1.004)	658367	80.9514	77.096	Rev
116 Chrysene	228	18.593	18.597	(1.002)	898573	75.0401	71.467	Rev
117 Di-n-octylphthalate	149	19.548	19.552	(0.945)	1127678	77.6926	73.993	Rev
119 Benzo(b)fluoranthene	252	20.163	20.194	(0.974)	1109843	76.9581	73.293	Rev
120 Benzo(k)fluoranthene	252	20.201	20.210	(0.976)	1152886	77.4224	73.736	Rev
121 Benzo(a)pyrene	252	20.616	20.620	(0.996)	971438	75.0087	71.437	Rev
125 Indeno(1,2,3-cd)pyrene	276	22.240	22.244	(1.075)	1144483	81.2221	77.354	Rev
126 Dibenz(a,h)anthracene	278	22.235	22.244	(1.075)	784973	68.4893	65.228	Rev
127 Benzo(g,h,i)perylene	276	22.661	22.665	(1.095)	1008069	85.9532	81.860	Rev
146 Biphenyl	154	11.028	11.028	(0.922)	891710	100.489	95.704(A)	Rev
149 Diphenyl ether	170	11.206	11.206	(0.937)	450543	91.1926	86.850	Rev

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\INS_DATA\MSN1.i\N061207.B\N061215.D

Date : 12-JUN-2007 14:49

Client ID: I7F050254-01S

Sample Info: J0A4E1A4D:I7F050254-01S;1;0;;1;1050;;1000

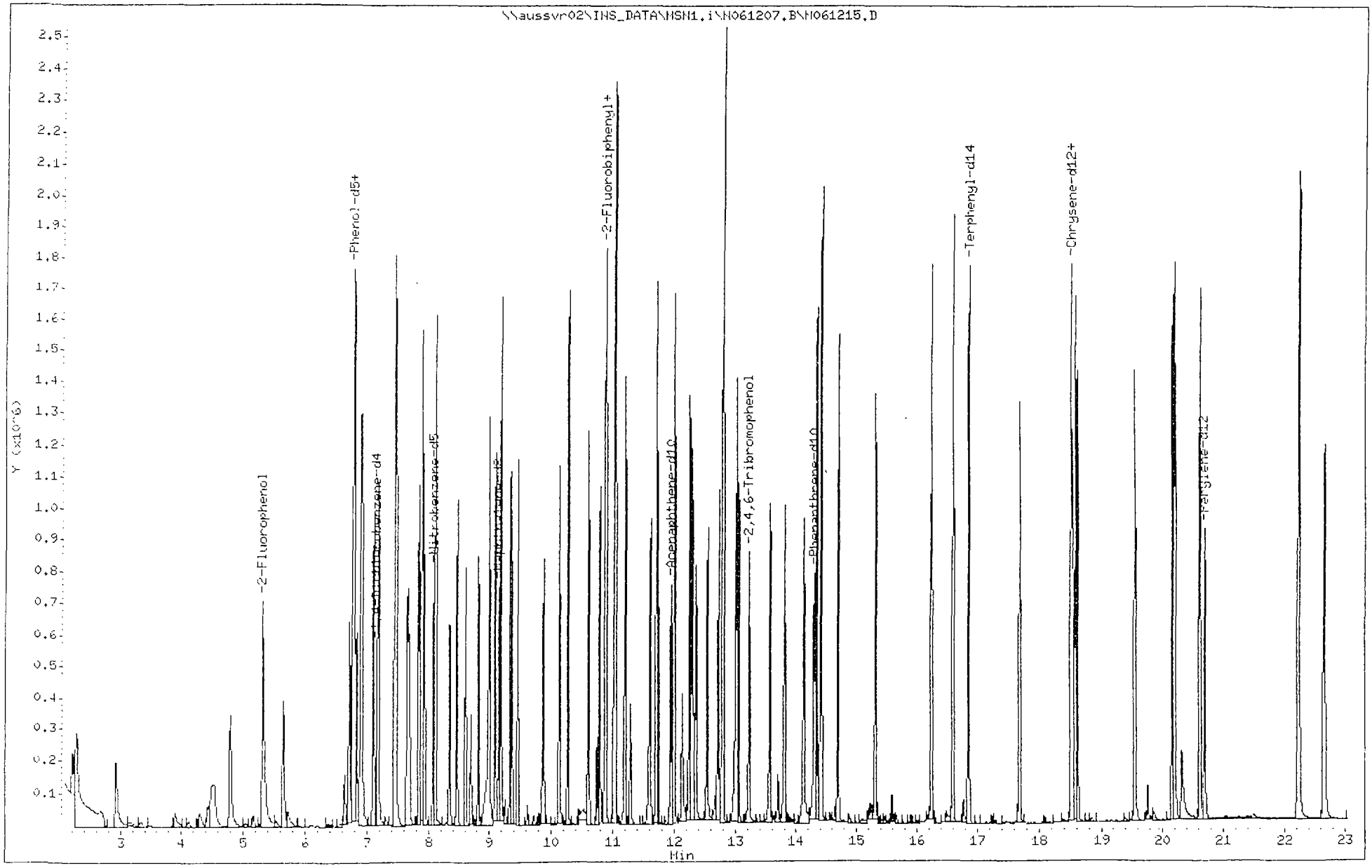
Volume Injected (uL): 0.5

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061218.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061218.D
Lab Smp Id: J0DTG1AC Client Smp ID: MW28A
Inj Date : 12-JUN-2007 16:15
Operator : malloym Inst ID: MSN1.i
Smp Info : J0DTG1AC;I7F060169-01;1;0;;1;1050;;1000
Misc Info : ;2-HSLA.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSLA.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

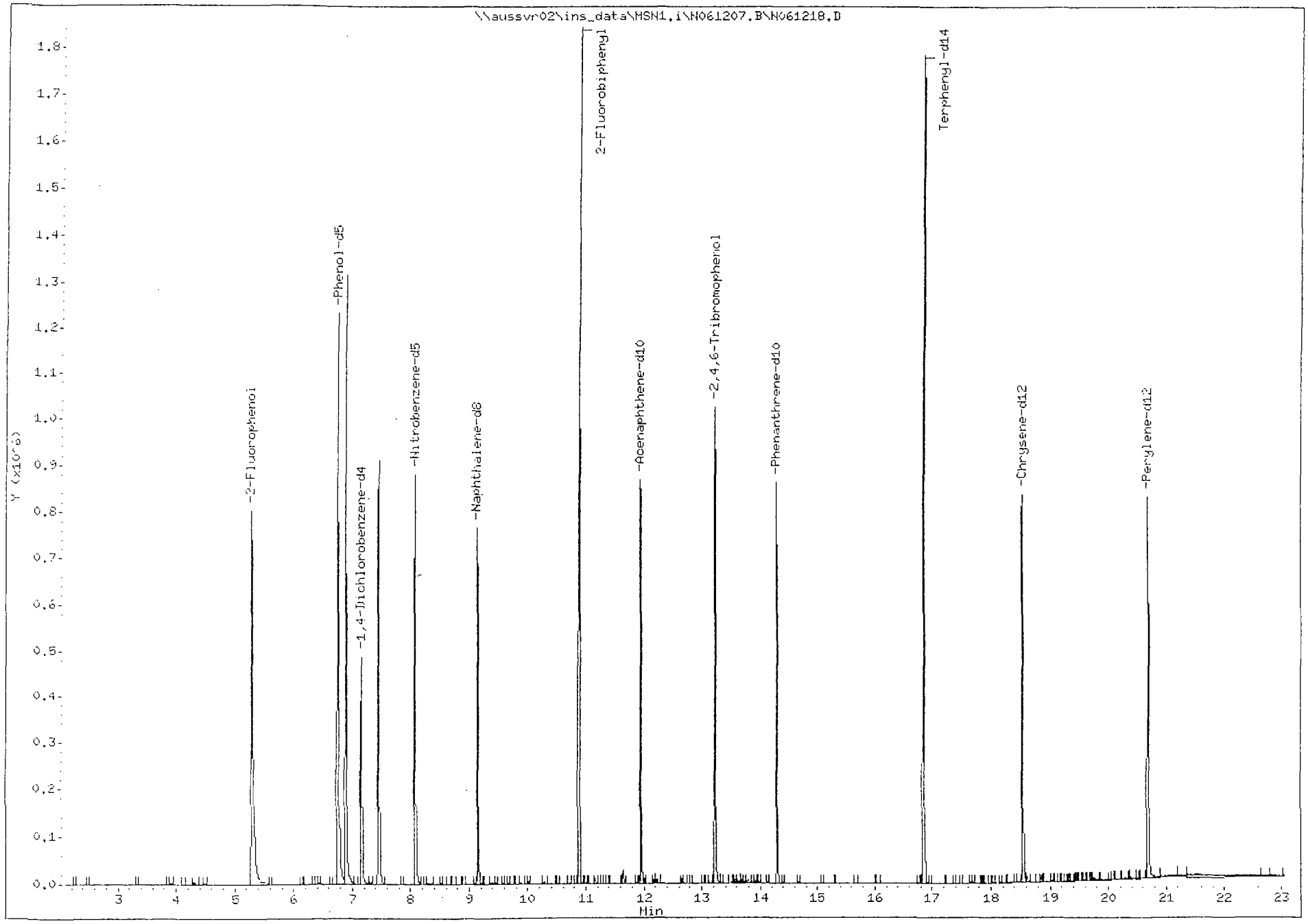
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.164	7.159	(1.000)	116707	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	451209	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	259619	40.0000		REV
* 93 Phenanthrene-d10	188	14.291	14.303	(1.000)	442139	40.0000		REV
* 114 Chrysene-d12	240	18.543	18.544	(1.000)	443644	40.0000		REV
* 122 Perylene-d12	264	20.685	20.691	(1.000)	414411	40.0000		REV
$ 6 2-Fluorophenol	112	5.292	5.302	(0.739)	497269	121.353	115.57	REV
$ 12 Phenol-d5	99	6.754	6.764	(0.943)	654874	131.514	125.25	REV
$ 82 2,4,6-Tribromophenol	330	13.234	13.244	(0.926)	148925	157.319	149.83	REV
$ 29 Nitrobenzene-d5	82	8.081	8.092	(0.883)	375547	87.8932	83.708	REV
$ 54 2-Fluorobiphenyl	172	10.887	10.892	(0.911)	738327	85.0068	80.959	REV
$ 105 Terphenyl-d14	244	16.860	16.865	(0.909)	884401	96.1523	91.574	REV
115 bis(2-Ethylhexyl)phthalate	149	18.619	18.624	(1.004)	4696	0.57717	0.54969(a)	REV
146 Biphenyl	154	11.027	11.028	(0.923)	1014	0.11675	0.11119(a)	REV
174 Caprolactam	113	9.889	9.850	(1.081)	460	0.37070	0.35305(aQ)	REV

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061218.D
Date : 12-JUN-2007 16:15

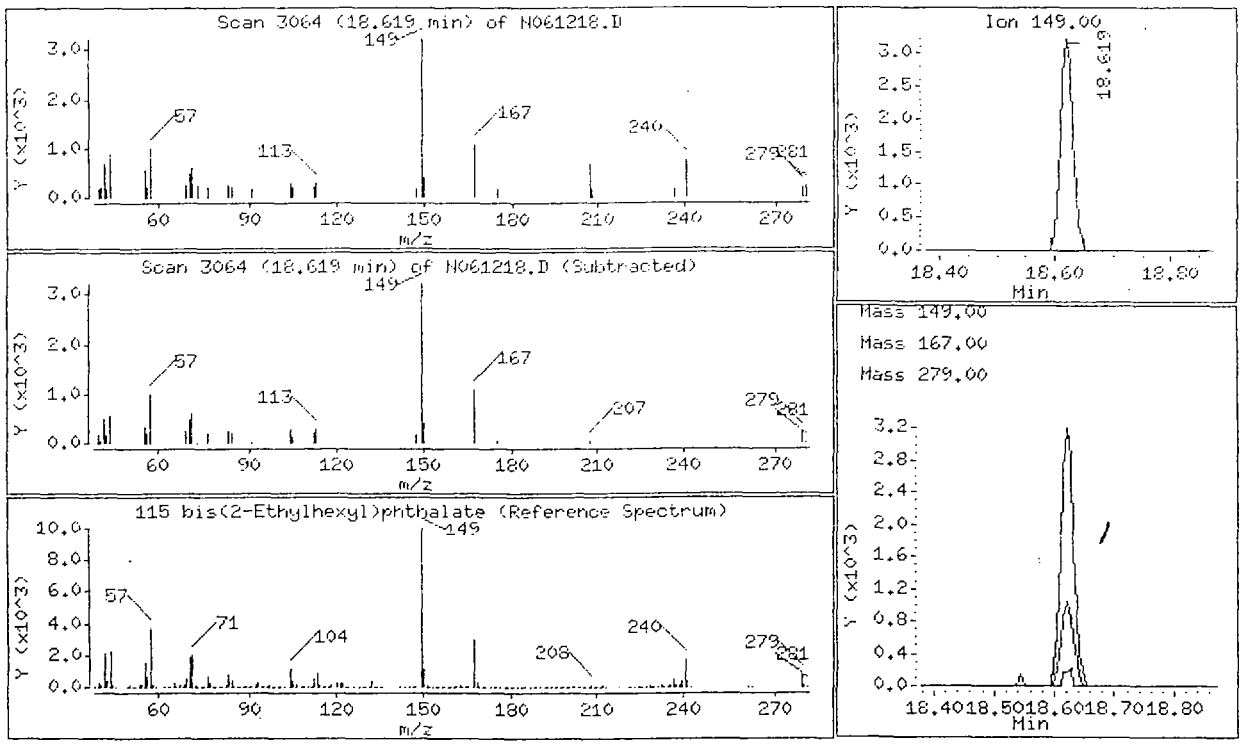
Sample Info: J0DTG1AC;I7F060169-01;1;0;;1;1050;;1000



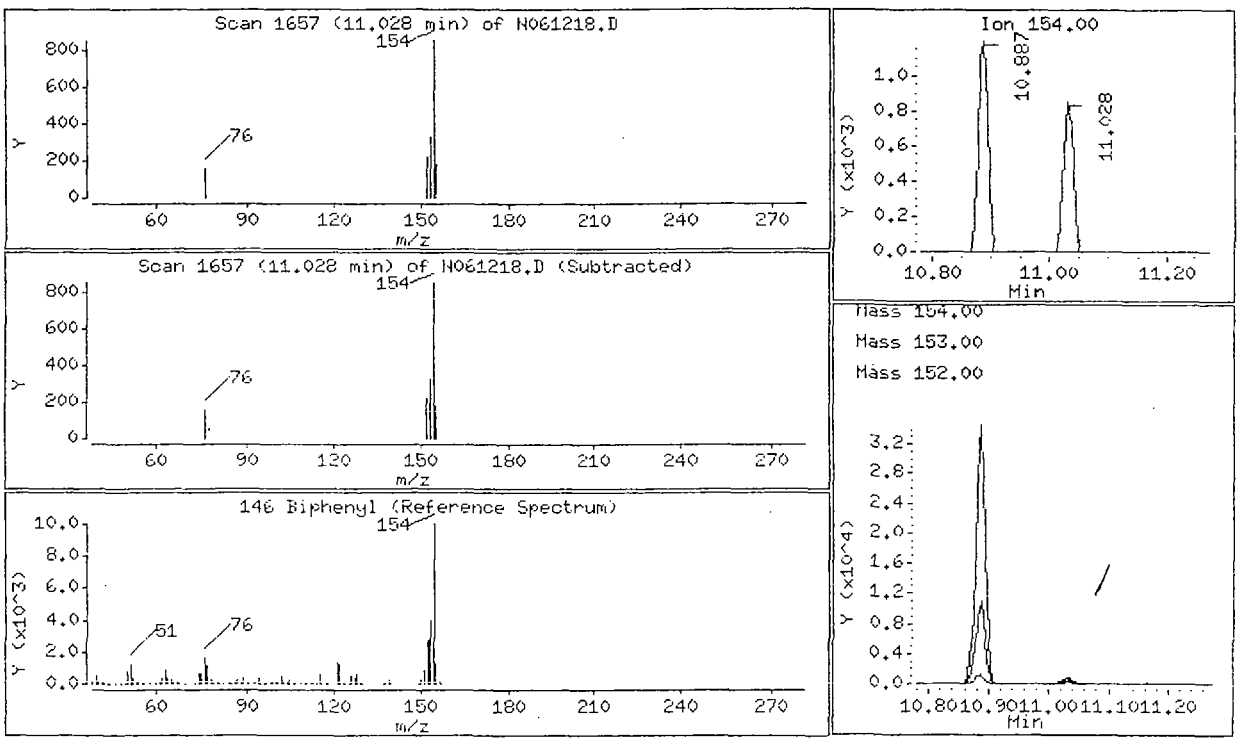
Data File: \\aussvr02\ms_data\MSN1.1\N061207.P\N061218.D Page 3

Date : 12-JUN-2007 16:15 Sample Info: J0DTG1AC;I7F060169-01;1;0;;1;1050;;1000

115 bis(2-Ethylhexyl)phthalate Concentration: 0.54969 ug/L



146 Biphenyl Concentration: 0.11119 ug/L



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061218.D

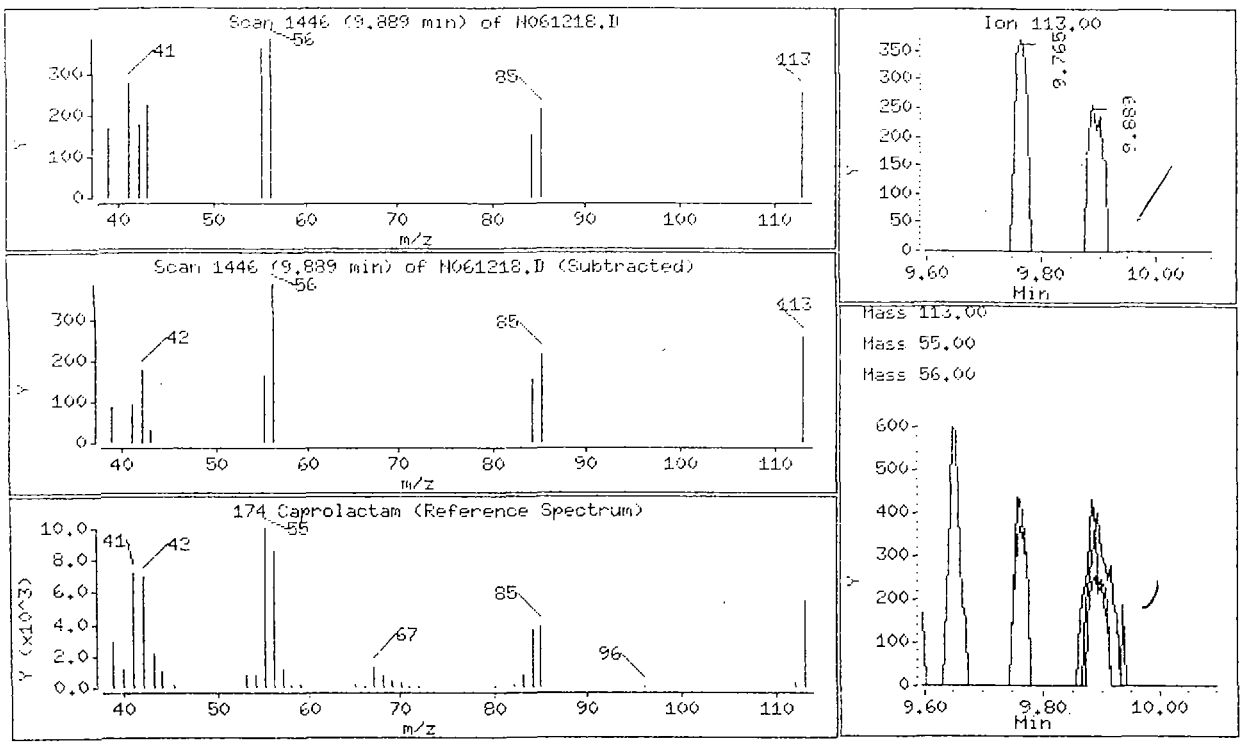
Page 4

Date : 12-JUN-2007 16:15

Sample Info: J0DTG1AC;I7F060169-01;1;0;;1;1050;;1000

174 Caprolactam

Concentration: 0.35305 ug/L



STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7F070158	I7F010127
I7F070118	I7F110202
I7F060169	
I7F090112	
A7F070282	

Method Name/Type: M8270c

Instrument ID: MSN1

Analysis Date: 6/13/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits			✓	N/A
Runs checked for saturation			✓	
CLP only: surrogates and internal stds. labeled on chromatograms			✓	
Second source check standard analyzed successfully			✓	
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits		✓		✓
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

Batch 7157509 - MS/MSD have high matrix effect high naphthalene in the parent sample

Acid surrogate was out due to matrix in b/n only samples in lot I7F070158.

Analyst: Mark Malloy Mark Malloy — Date: 06/15/07

2nd Review: C Austin — Date: 6/18/07

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 6-13-7
SHIFT (Circle): (1) 2 3 METHOD / TEST: M8270C
COMPUTER CLOCK DATE / TIME: SOP #: MS MS 006

DAILY CHECK ✓	INSERT CHANGED (6mm)	SEPTA CHANGED ✓	COLUMN CHANGED ✓	AUTOSAMPLER MAINT. ✓
M PUMP OIL ✓	TURBO OIL ✓	FILAMENT CHANGE ✓	OTHER N/A	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.U
Elect Mult. 1471 volts
Tuning Performance (circle one): DFTPP Autotune Other
Sampling Rate 2^n 1
Scan Range 35 500 amu
Interface (circle one): Direct Jet Separator Other

GC PROGRAM:

GC Meth. N053107MC
Inj. Temp. 170 C
Carrier Gas: Helium
Flow/Pressure 3 psi 15 mL
Initial Temp. 50 C
Init.Hold 2.00 min
Ramp 15 C/min
Final Temp. 320 C
Final Hold 3.00 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MS1D #267 (Circle one) Packed ~~Capillary~~
Phases/Loadings: RTX MS #5
i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless pulsed

INSTRUMENT SEQUENCE:

Sample Name, Sample Number, Dilution, etc. Autosampler #

```
Sequence Name: D:\MSN1.I\SEQUENCE\N061307.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N061307.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run        On A Barcode Mismatch
 (X) Full Method               (X) Inject Anyway
 ( ) Reprocessing Only         ( ) Don't Inject
```

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	2	N061302A	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
2	Sample	1	N061301	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
3	Sample	2	N061302	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
4	Sample	3	N061303	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
5	Sample	4	N061304	N053107M	Ccalib_4;CAP_075;;2;4;3;;;; S
6	Sample	5	N061305	N053107M	J0PP41AAB;I7F110000-196;1;0;;
7	Sample	6	N061306	N053107M	J0PP41ACC;I7F110000-196;1;0;;
8	Sample	7	N061307	N053107M	J0GAV1AC;I7F070118-001;1;0;;1
9	Sample	8	N061308	N053107M	J0GAV1ADS;I7F070118-001;1;0;;
10	Sample	9	N061309	N053107M	J0GAV1AED;I7F070118-001;1;0;;
11	Sample	10	N061310	N053107M	J0DTN1AF;I7F060169-02;10;0;;1
12	Sample	11	N061311	N053107M	J0GA41AC;I7F070118-002;1;0;;1
13	Sample	12	N061312	N053107M	J0GA51AC;I7F070118-003;1;0;;1
14	Sample	13	N061313	N053107M	J0GA61AC;I7F070118-004;1;0;;1
15	Sample	14	N061314	N053107M	J0M811AC;I7F090112-007;1;0;;1
16	Sample	15	N061315	N053107M	J0M831AC;I7F090112-008;1;0;;1
17	Sample	16	N061316	N053107M	J0PPR1AAB;I7F110000-199;1;0;;
18	Sample	17	N061317	N053107M	J0PPR1ACC;I7F110000-199;1;0;;
19	Sample	18	N061318	N053107M	J0PPR1ADL;I7F110000-199;1;0;;
20	Sample	19	N061319	N053107M	J0GWA1AC;I7F070158-004;1;0;;1
21	Sample	20	N061320	N053107M	J0GWF1AC;I7F070158-005;1;0;;1
22	Sample	21	N061321	N053107M	J0HRE1AL;A7F070282-001;1;0;;1
23	Sample	22	N061322	N053107M	J0HRK1AL;A7F070282-002;1;0;;1
24	Sample	23	N061323	N053107M	J0HRL1AL;A7F070282-003;1;0;;1
25	Sample	24	N061324	N053107M	JX35Q1AC;I7F010127-04;10;0;;2
26	Sample	25	N061325	N053107M	J0QDM1AC;I7F110202-02;10;0;;2

Sequence Name: D:\MSN1.I\SEQUENCE\N061307.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061307.B\
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	2	N061302A	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
2	Sample	1	N061301	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
3	Sample	2	N061302	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
4	Sample	3	N061303	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
5	Sample	4	N061304	N053107M	Ccalib_4;CAP_075;;2;4;3;;;; S
6	Sample	5	N061305	N053107M	J0PP41AAB;I7F110000-196;1;0;;
7	Sample	6	N061306	N053107M	J0PP41ACC;I7F110000-196;1;0;;
8	Sample	7	N061307	N053107M	J0GAV1AC;I7F070118-001;1;0;;1
9	Sample	8	N061308	N053107M	J0GAV1ADS;I7F070118-001;1;0;;
10	Sample	9	N061309	N053107M	J0GAV1AED;I7F070118-001;1;0;;
11	Sample	10	N061310	N053107M	J0DTN1AF;I7F060169-02;10;0;;1
12	Sample	11	N061311	N053107M	J0GA41AC;I7F070118-002;1;0;;1
13	Sample	12	N061312	N053107M	J0GA51AC;I7F070118-003;1;0;;1
14	Sample	13	N061313	N053107M	J0GA61AC;I7F070118-004;1;0;;1
15	Sample	14	N061314	N053107M	J0M811AC;I7F090112-007;1;0;;1
16	Sample	15	N061315	N053107M	J0M831AC;I7F090112-008;1;0;;1
17	Sample	16	N061316	N053107M	J0PPR1AAB;I7F110000-199;1;0;;
18	Sample	17	N061317	N053107M	J0PPR1ACC;I7F110000-199;1;0;;
19	Sample	18	N061318	N053107M	J0PPR1ADL;I7F110000-199;1;0;;
20	Sample	19	N061319	N053107M	J0GWA1AC;I7F070158-004;1;0;;1
21	Sample	20	N061320	N053107M	J0GWF1AC;I7F070158-005;1;0;;1
22	Sample	21	N061321	N053107M	J0HRE1AL;A7F070282-001;1;0;;1
23	Sample	22	N061322	N053107M	J0HRK1AL;A7F070282-002;1;0;;1
24	Sample	23	N061323	N053107M	J0HRL1AL;A7F070282-003;1;0;;1
25	Sample	24	N061324	N053107M	JX35Q1AC;I7F010127-04;10;0;;2
26	Sample	25	N061325	N053107M	J0QDM1AC;I7F110202-02;10;0;;2

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D
Report Date: 14-Jun-2007 07:12

STL Austin

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 13-JUN-2007 13:56
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.464	7.803	-0.339	198	260864			0.00- 100.00	100.00
7.464	8.311	-0.847	51	95056			30.00- 60.00	36.44
7.464	8.311	-0.847	68	0	0.0	0.0	0.00- 2.00	0.00
7.464	8.311	-0.847	69	102024			0.00- 0.00	39.11
7.464	8.311	-0.847	70	0	0.0	0.0	0.00- 2.00	0.00
7.464	8.311	-0.847	127	128648			40.00- 60.00	49.32
7.464	8.311	-0.847	197	0	0.0	0.0	0.00- 1.00	0.00
7.464	8.311	-0.847	199	17552			5.00- 9.00	6.73
7.464	8.311	-0.847	275	73080			10.00- 30.00	28.01
7.464	8.311	-0.847	365	8029			1.00- 0.00	3.08
7.464	8.311	-0.847	441	32480			0.01- 99.99	74.09
7.464	8.311	-0.847	442	225408			40.00- 0.00	86.41
7.464	8.311	-0.847	443	43840			17.00- 23.00	19.45

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D

Date : 13-JUN-2007 13:56

Client ID: DFTPP

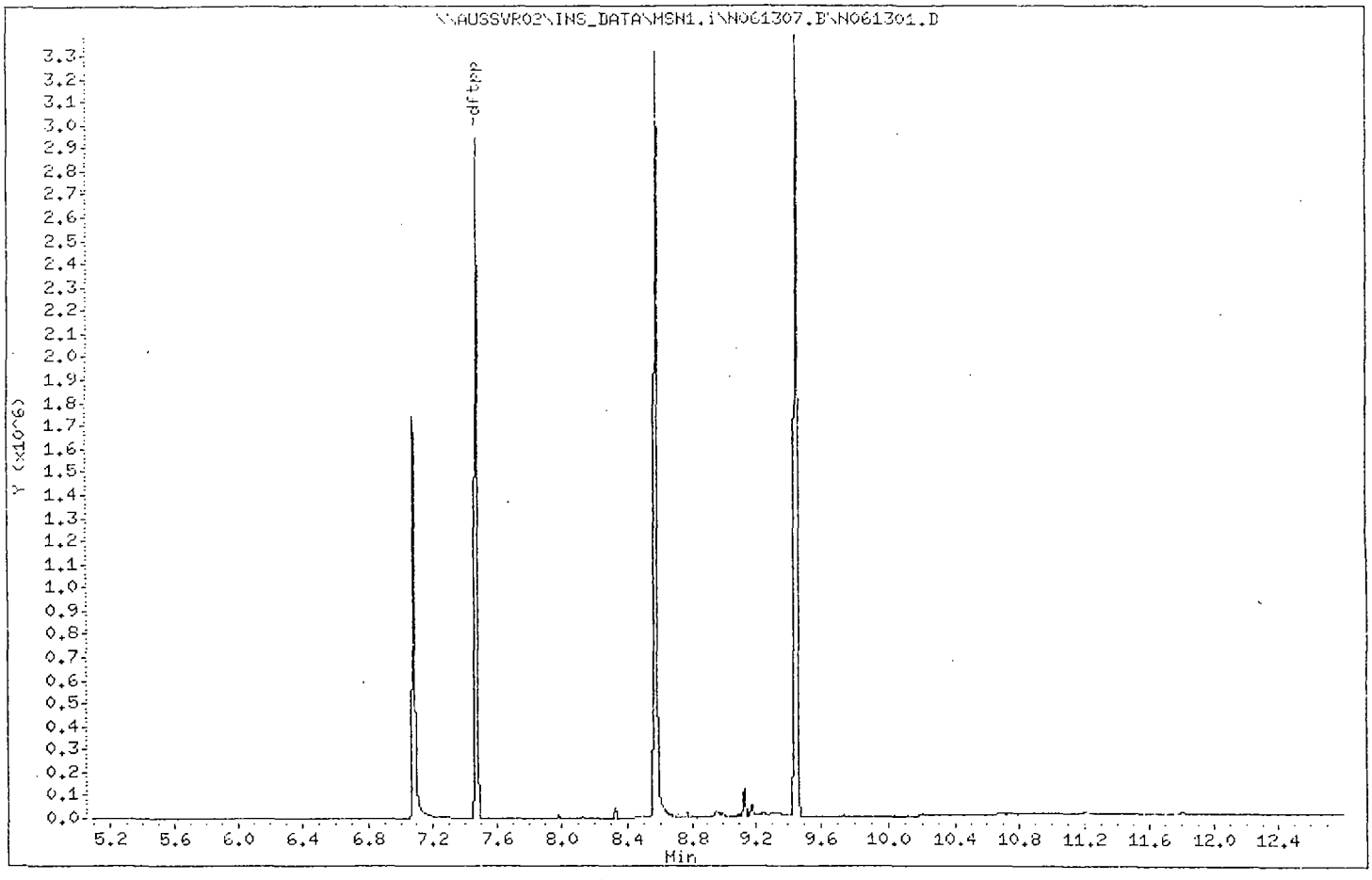
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D

Date : 13-JUN-2007 13:56

Client ID: DFTPP

Instrument: MSN1.i

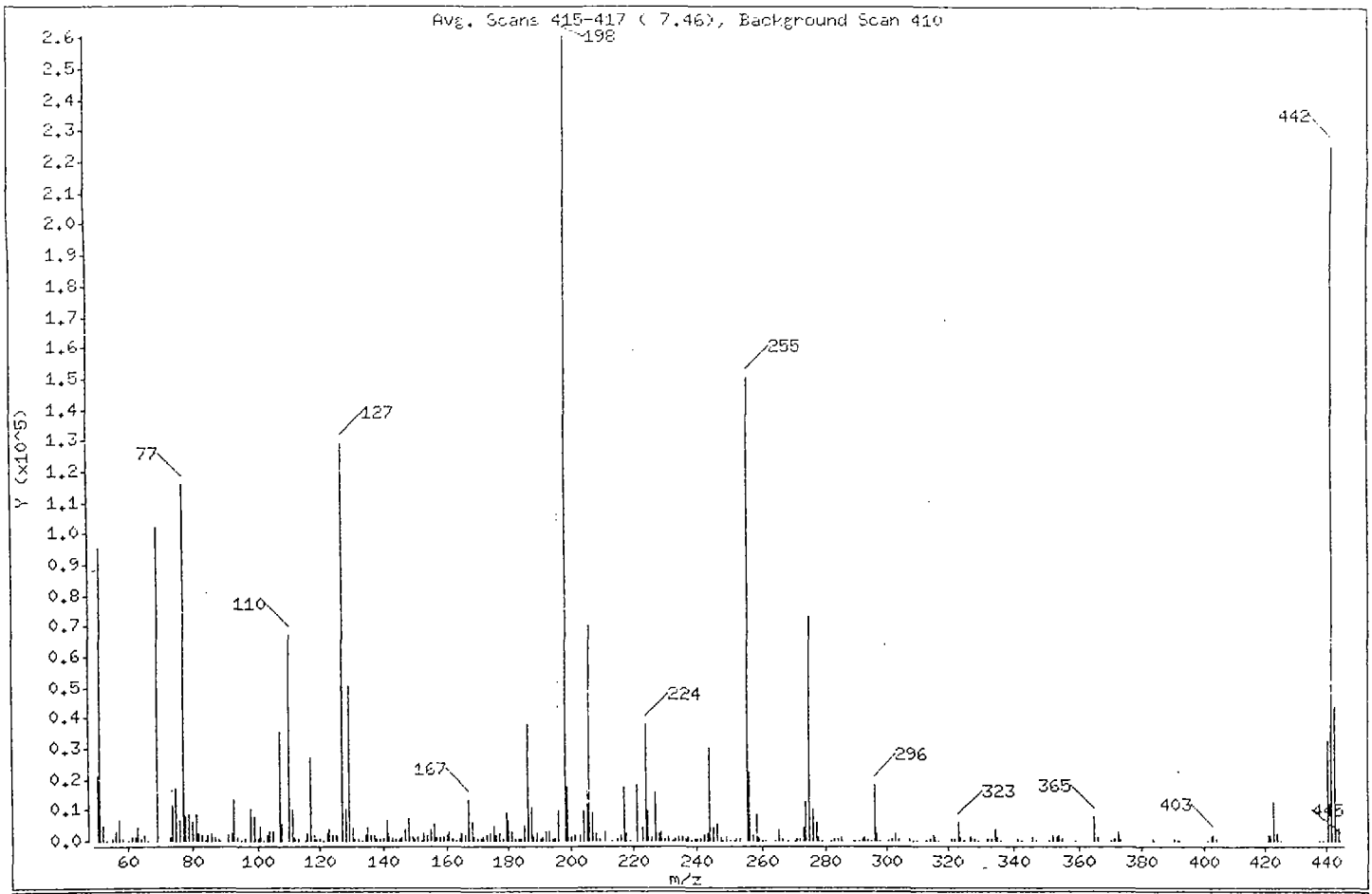
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	36.44
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.11
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.32
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 30.00% of mass 198	28.01
365	Greater than 1.00% of mass 198	3.08
441	Present, but less than mass 443	12.45
442	Greater than 40.00% of mass 198	86.41
443	17.00 - 23.00% of mass 442	16.81 (19.45)

6-15

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D

Date : 13-JUN-2007 13:56

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061301.D
Spectrum: Avg. Scans 415-417 (7.46), Background Scan 410
Location of Maximum: 198.00
Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	20728	134.00	1551	207.00	9075	292.00	340
51.00	95056	135.00	4105	208.00	2364	293.00	1292
52.00	5066	136.00	1723	209.00	773	294.00	348
53.00	171	137.00	2046	211.00	2770	295.00	206
55.00	611	138.00	481	213.00	207	296.00	17880
56.00	3007	139.00	348	215.00	761	297.00	2491
57.00	6628	140.00	686	216.00	1507	298.00	189
58.00	310	141.00	6549	217.00	17400	301.00	252
60.00	191	142.00	2223	218.00	2277	302.00	378
61.00	1353	143.00	1456	219.00	243	303.00	2151
62.00	1480	144.00	421	221.00	17944	304.00	636
63.00	4155	145.00	382	223.00	3970	308.00	300
64.00	640	146.00	1187	224.00	37936	309.00	174
65.00	2013	147.00	3339	225.00	9779	310.00	245
66.00	129	148.00	6938	226.00	1083	313.00	128
69.00	102024	149.00	1462	227.00	15507	314.00	893
73.00	1099	150.00	394	228.00	2324	315.00	2081
74.00	11242	151.00	1118	229.00	3168	316.00	1172
75.00	16736	152.00	133	230.00	513	317.00	167
76.00	6510	153.00	2155	231.00	1495	321.00	614
77.00	115952	154.00	1554	232.00	281	322.00	360
78.00	8040	155.00	3487	233.00	341	323.00	6052
79.00	8212	156.00	5424	234.00	989	324.00	1116
80.00	6112	157.00	1145	235.00	1167	325.00	59
81.00	8347	158.00	1279	236.00	780	327.00	1138
82.00	2161	159.00	924	237.00	1217	328.00	572
83.00	1897	160.00	1973	238.00	213	329.00	52
84.00	232	161.00	2928	239.00	658	332.00	463
85.00	1563	162.00	877	240.00	450	333.00	621
86.00	2460	163.00	260	241.00	817	334.00	3895
87.00	1153	164.00	416	242.00	1927	335.00	1124
88.00	413	165.00	2509	243.00	2198	336.00	110
89.00	239	166.00	2045	244.00	30144	341.00	715
91.00	2026	167.00	13267	245.00	4071	342.00	198
92.00	2248	168.00	5858	246.00	5623	346.00	1333

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D

Date : 13-JUN-2007 13:56

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061301.D

Spectrum: Avg. Scans 415-417 (7.46), Background Scan 410

Location of Maximum: 198.00

Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	13068	169.00	1106	247.00	1188	347.00	170
94.00	919	170.00	495	248.00	265	351.00	61
95.00	171	171.00	614	249.00	1051	352.00	1773
96.00	654	172.00	1228	250.00	230	353.00	1325
98.00	10330	173.00	1553	251.00	270	354.00	2060
99.00	7771	174.00	2695	252.00	326	355.00	406
100.00	795	175.00	5007	253.00	665	359.00	50
101.00	4676	176.00	1638	255.00	150464	365.00	8029
102.00	298	177.00	2552	256.00	22112	366.00	1249
103.00	1854	178.00	854	257.00	1769	370.00	157
104.00	3174	179.00	9138	258.00	8243	371.00	469
105.00	2883	180.00	6433	259.00	1308	372.00	3247
107.00	35384	181.00	2997	260.00	253	373.00	821
108.00	5682	182.00	521	261.00	245	383.00	832
110.00	67048	183.00	313	264.00	215	384.00	235
111.00	9953	184.00	806	265.00	3433	390.00	417
112.00	1290	185.00	4687	266.00	435	391.00	292
113.00	414	186.00	37888	268.00	22	392.00	243
115.00	252	187.00	10848	270.00	269	401.00	149
116.00	2268	188.00	1080	271.00	327	402.00	1261
117.00	26888	189.00	2307	272.00	406	403.00	1827
118.00	2000	190.00	411	273.00	4406	404.00	670
119.00	314	191.00	1053	274.00	12780	421.00	1626
120.00	527	192.00	2919	275.00	73080	422.00	1583
121.00	158	193.00	3252	276.00	9945	423.00	12667
122.00	2645	194.00	723	277.00	6037	424.00	2570
123.00	3659	195.00	498	278.00	916	425.00	242
124.00	1627	196.00	9398	279.00	211	438.00	104
125.00	1574	198.00	260864	282.00	115	439.00	260
127.00	128648	199.00	17552	283.00	663	441.00	32480
128.00	10073	200.00	1490	284.00	457	442.00	225408
129.00	50216	201.00	1527	285.00	1048	443.00	43840
130.00	4224	203.00	1964	286.00	158	444.00	4079
131.00	864	204.00	9523	289.00	217	445.00	249
132.00	521	205.00	16353	290.00	208		

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N061307.B\N061301.D

Date : 13-JUN-2007 13:56

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

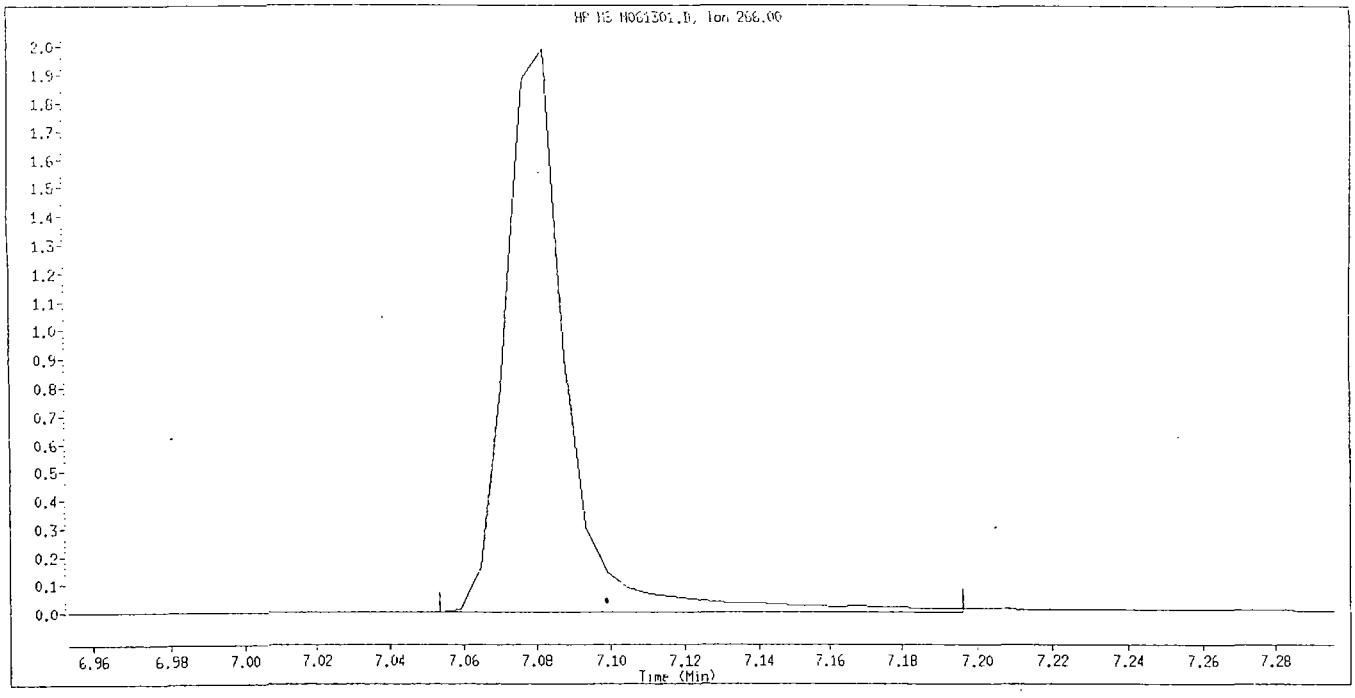
Column diameter: 0.25

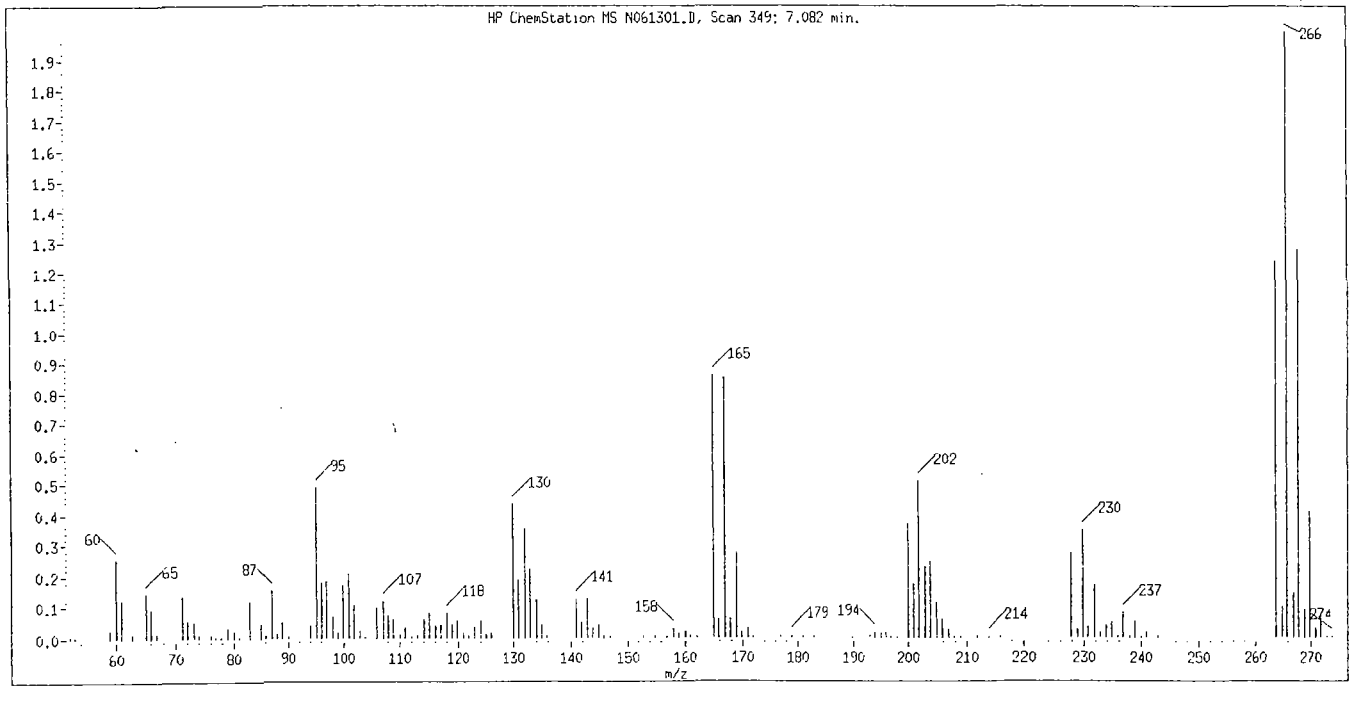
Data File: N061301.D
Spectrum: Avg. Scans 415-417 (7.46), Background Scan 410
Location of Maximum: 198.00
Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
133.00	281	206.00	70216	291.00	74		

Data File: N061301.D
Inj Date: 13-JUN-2007 13:56
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 06/15/2007

TAILING FACTOR

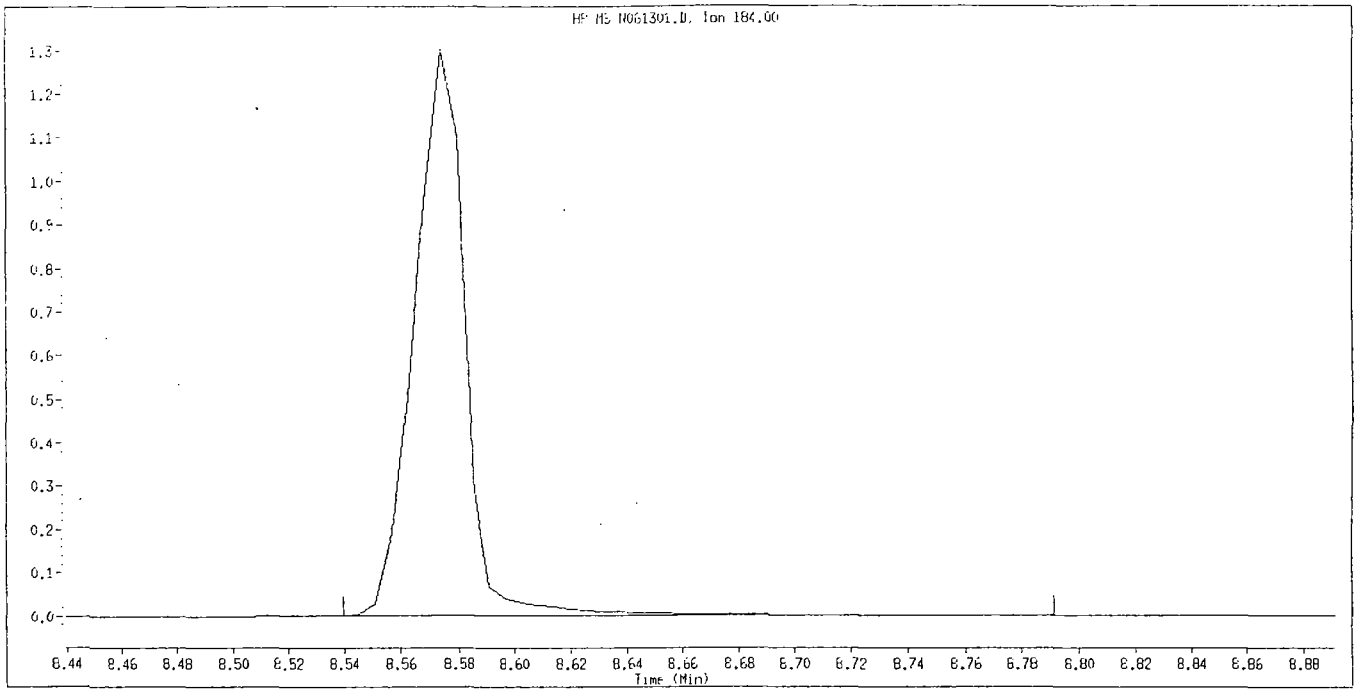


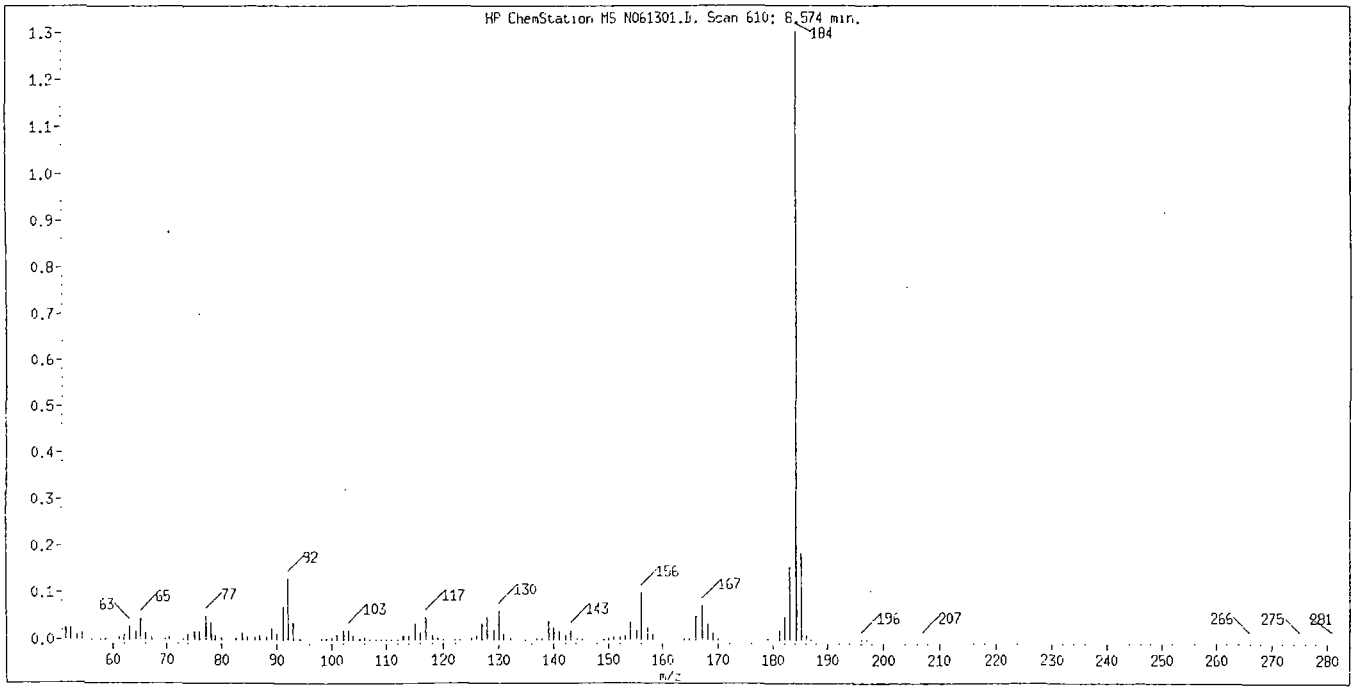


Tailing Factor = 0.901 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.065151 T2 = 7.081933 T3 = 7.097061

Data File: N061301.D
Inj Date: 13-JUN-2007 13:56
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 06/15/2007

TAILING FACTOR

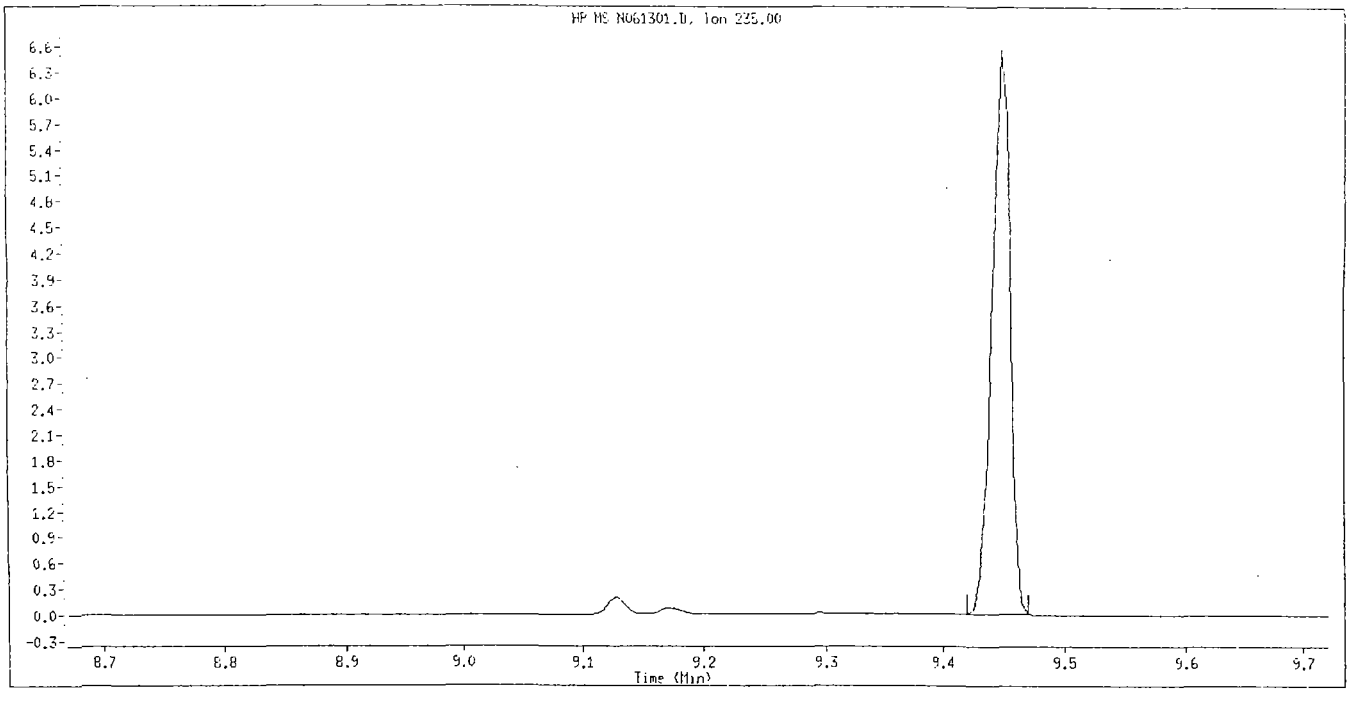




Tailing Factor = 0.834 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.554833 T2 = 8.573667 T3 = 8.589371

Data File: N061301.D
Inj Date: 13-JUN-2007 13:56
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 06/15/2007

DEGRADATION REPORT



Degradation = 4.01% Good
Acceptance Criteria 0 - 20 %
DDT Area = 713168
DDE Area = 21510
DDD Area = 8272

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 1
Report Date: 14-Jun-2007 07:16

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D
Lab Smp Id: Ccalib_4 Client Smp ID: HSL_075
Inj Date : 13-JUN-2007 14:15
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;HSL_075;;2;4;3;;;; SMHSLCCV00019
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M
Meth Date : 14-Jun-2007 07:16 MSN1.i Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.132	7.132	(1.000)	115600	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.123	9.123	(1.000)	450881	40.0000		REV
* 64 Acenaphthene-d10	164	11.923	11.923	(1.000)	255240	40.0000		REV
* 93 Phenanthrene-d10	188	14.265	14.265	(1.000)	453790	40.0000		REV
* 114 Chrysene-d12	240	18.517	18.517	(1.000)	443310	40.0000		REV
* 122 Perylene-d12	264	20.659	20.659	(1.000)	444801	40.0000		REV
$ 6 2-Fluorophenol	112	5.265	5.265	(0.738)	586028	150.000	144.38	REV
$ 12 Phenol-d5	99	6.733	6.733	(0.944)	726542	150.000	147.30	REV
$ 82 2,4,6-Tribromophenol	330	13.213	13.213	(0.926)	144153	150.000	148.37	REV
$ 29 Nitrobenzene-d5	82	8.055	8.055	(0.883)	309839	75.0000	72.568	REV
$ 54 2-Fluorobiphenyl	172	10.860	10.860	(0.911)	607256	75.0000	71.116	REV
$ 105 Terphenyl-d14	244	16.828	16.828	(0.909)	615308	75.0000	66.947	REV
1 Pyridine	79	2.870	2.870	(0.402)	314820	75.0000	79.055	REV
2 N-Nitrosodimethylamine	74	2.902	2.902	(0.407)	168030	75.0000	72.893	REV
3 2-Picoline	93	4.213	4.213	(0.591)	339954	75.0000	74.179	REV
4 N-Nitrosomethylethylamine	88	4.499	4.499	(0.631)	151017	75.0000	71.563	REV
5 Methyl methanesulfonate	80	5.028	5.028	(0.705)	169108	75.0000	73.964	REV
7 N-Nitrosodiethylamine	102	5.611	5.611	(0.787)	147031	75.0000	71.847	REV
8 Ethyl methanesulfonate	79	6.107	6.107	(0.856)	219893	75.0000	72.304	REV
9 Pentachloroethane	117	6.684	6.684	(0.937)	104123	75.0000	73.025	REV
10 Aniline	93	6.717	6.717	(0.942)	463659	75.0000	74.253	REV
11 bis(2-Chloroethyl)ether	93	6.803	6.803	(0.954)	287418	75.0000	70.289	REV
13 Phenol	94	6.749	6.749	(0.946)	403500	75.0000	69.040	REV
14 2-Chlorophenol	128	6.884	6.884	(0.965)	311838	75.0000	71.547	REV
15 1,3-Dichlorobenzene	146	7.073	7.073	(0.992)	332454	75.0000	72.590	REV
16 1,4-Dichlorobenzene	146	7.154	7.154	(1.003)	337983	75.0000	71.194	REV
18 1,2-Dichlorobenzene	146	7.445	7.445	(1.044)	317528	75.0000	72.052	REV
19 Benzyl Alcohol	108	7.418	7.418	(1.040)	201334	75.0000	74.239	REV
20 bis(2-Chloroisopropyl)ether	45	7.623	7.623	(1.069)	348660	75.0000	73.627	REV
21 2-Methylphenol	108	7.639	7.639	(1.071)	277184	75.0000	72.687	REV
22 Acetophenone	105	7.817	7.817	(1.096)	403605	75.0000	72.128	REV
23 N-Nitroso-di-n-propylamine	70	7.866	7.866	(1.103)	217185	75.0000	75.336	REV
24 N-Nitrosopyrrolidine	100	7.850	7.850	(1.101)	150255	75.0000	75.192	REV

MT 6-15-7

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 2
Report Date: 14-Jun-2007 07:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.877	7.877	(1.104)	604689	150.000	148.56	REV
27 o-Toluidine	106	7.887	7.887	(1.106)	454894	75.0000	72.327	REV
28 Hexachloroethane	117	7.904	7.904	(1.108)	123600	75.0000	72.816	REV
30 Nitrobenzene	77	8.082	8.082	(0.886)	322113	75.0000	72.540	REV
31 N-Nitrosopiperidine	114	8.324	8.324	(0.912)	143991	75.0000	71.116	REV
32 Isophorone	82	8.438	8.438	(0.925)	551797	75.0000	71.168	REV
33 2-Nitrophenol	139	8.578	8.578	(0.940)	168436	75.0000	73.814	REV
34 2,4-Dimethyphenol	107	8.670	8.670	(0.950)	312775	75.0000	72.174	REV
35 Bis(2-chloroethoxy)methane	93	8.794	8.794	(0.964)	317000	75.0000	71.161	REV
36 2,4-Dichlorophenol	162	8.961	8.961	(0.982)	239775	75.0000	72.760	REV
38 1,2,4-Trichlorobenzene	180	9.058	9.058	(0.993)	262909	75.0000	71.714	REV
39 Benzoic Acid	122	8.945	8.945	(0.980)	67666	75.0000	71.890	REV
41 Naphthalene	128	9.155	9.155	(1.004)	858012	75.0000	72.001	REV
42 4-Chloroaniline	127	9.301	9.301	(1.020)	355044	75.0000	72.403	REV
43 2,6-Dichlorophenol	162	9.312	9.312	(1.021)	236224	75.0000	72.269	REV
44 Hexachloropropene	213	9.333	9.333	(1.023)	169189	75.0000	77.048	REV
45 Hexachlorobutadiene	225	9.425	9.425	(1.033)	153632	75.0000	71.085	REV
46 N-Nitroso-di-n-butylamine	84	9.846	9.846	(1.079)	191729	75.0000	71.995	REV
47 4-Chloro-3-Methylphenol	107	10.105	10.105	(1.108)	265900	75.0000	72.982	REV
48 Safrole	162	10.127	10.127	(1.110)	219965	75.0000	71.183	REV
49 2-Methylnaphthalene	142	10.240	10.240	(1.122)	569382	75.0000	72.594	REV
50 Hexachlorocyclopentadiene	237	10.591	10.591	(0.888)	36287	75.0000	56.331	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.574	10.574	(0.887)	255999	75.0000	71.369	REV
52 2,4,6-Trichlorophenol	196	10.758	10.758	(0.902)	157774	75.0000	71.689	REV
53 2,4,5-Trichlorphenol	196	10.839	10.839	(0.909)	171001	75.0000	72.587	REV
55 2-Chloronaphthalene	127	11.011	11.011	(0.924)	207909	75.0000	71.391	REV
56 Isosafrole	162	10.941	10.941	(0.918)	216996	75.0000	70.941	REV
57 2-Nitroaniline	65	11.270	11.270	(0.945)	163182	75.0000	72.277	REV
58 1,4-Naphthoquinone	158	11.335	11.335	(0.951)	196574	75.0000	72.117	REV
59 Dimethylphthalate	163	11.594	11.594	(0.972)	565918	75.0000	70.029	REV
60 2,6-Dinitrotoluene	165	11.713	11.713	(0.982)	139226	75.0000	71.264	REV
61 1,3-Dinitrobenzene	168	11.648	11.648	(0.977)	105510	75.0000	71.964	REV
62 Acenaphthylene	152	11.686	11.686	(0.980)	869069	75.0000	71.838	REV
63 3-Nitroaniline	138	11.939	11.939	(1.001)	158518	75.0000	73.468	REV
65 Acenaphthene	153	11.977	11.977	(1.005)	520379	75.0000	71.859	REV
66 2,4-Dinitrophenol	184	12.112	12.112	(1.016)	70290	75.0000	75.804	REV
67 Dibenzofuran	168	12.231	12.231	(1.026)	721351	75.0000	71.191	REV
68 4-Nitrophenol	109	12.296	12.296	(1.031)	61484	75.0000	63.338	REV
69 Pentachlorobenzene	250	12.269	12.269	(1.029)	214475	75.0000	72.316	REV
70 2,4-Dinitrotoluene	165	12.344	12.344	(1.035)	186782	75.0000	72.582	REV
72 2,3,4,6-tetrachlorophenol	232	12.522	12.522	(1.050)	130362	75.0000	73.399	REV
74 Diethylphthalate	149	12.711	12.711	(1.066)	562940	75.0000	71.094	REV
75 4-Chlorophenyl-phenylether	204	12.776	12.776	(1.071)	278027	75.0000	70.602	REV
76 Fluorene	166	12.776	12.776	(1.071)	566355	75.0000	72.111	REV
77 5-Nitro-o-toluidine	152	12.894	12.894	(1.081)	177107	75.0000	71.950	REV
78 4,6-Dinitro-2-methylphenol	198	12.997	12.997	(0.911)	110502	75.0000	79.128	REV
79 4-Nitroaniline	138	12.938	12.938	(1.085)	154024	75.0000	73.864	REV
80 N-Nitrosodiphenylamine/DPA	169	13.002	13.002	(1.091)	516656	75.0000	71.757	REV
81 Azobenzene	77	13.029	13.029	(0.913)	568149	75.0000	69.244	REV
83 Diallate #1	234	13.493	13.493	(0.946)	92184	75.0000		REV
84 4-Bromophenyl-phenylether	248	13.547	13.547	(0.950)	163239	75.0000	70.767	REV
85 Phenacetin	108	13.580	13.580	(0.952)	296074	75.0000	74.502	REV
86 Diallate #2	234	13.623	13.623	(0.955)	20238	75.0000		REV
87 Hexachlorobenzene	284	13.785	13.785	(0.966)	163153	75.0000	71.561	REV

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D Page 3
Report Date: 14-Jun-2007 07:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.601	13.601	(0.953)	150893	75.0000	78.768	REV
90 Pentachlorophenol	266	14.103	14.103	(0.989)	66020	75.0000	75.457	REV
91 Pronamide	173	14.152	14.152	(0.992)	246574	75.0000	72.318	REV
92 Pentachloronitrobenzene	295	14.206	14.206	(0.996)	31015	75.0000	72.070	REV
94 Phenanthrene	178	14.308	14.308	(1.003)	828924	75.0000	71.343	REV
95 Anthracene	178	14.378	14.378	(1.008)	847287	75.0000	72.942	REV
96 Dinoseb	211	14.384	14.384	(1.008)	150979	75.0000	78.743	REV
97 Carbazole	167	14.664	14.664	(1.028)	801252	75.0000	72.635	REV
98 Di-n-Butylphthalate	149	15.279	15.279	(1.071)	911992	75.0000	71.518	REV
101 Isodrin	193	15.970	15.970	(1.120)	91843	75.0000	71.968	REV
102 Fluoranthene	202	16.207	16.207	(1.136)	922788	75.0000	72.238	REV
103 Benzidine	184	16.455	16.455	(0.889)	483389	75.0000	82.991	REV
104 Pyrene	202	16.569	16.569	(0.895)	956276	75.0000	66.632	REV
106 4-Dimethylaminoazobenzene	120	17.087	17.087	(0.923)	252555	75.0000	67.335	REV
107 Chlorobenzilate	251	17.162	17.162	(0.927)	263812	75.0000	66.765	REV
109 3,3'-Dimethylbenzidine	212	17.626	17.626	(0.952)	477621	75.0000	62.632	REV
110 Butylbenzylphthalate	149	17.664	17.664	(0.954)	410374	75.0000	66.587	REV
111 2-Acetylaminofluorene	181	18.085	18.085	(0.977)	420253	75.0000	76.520	REV
112 3,3'-Dichlorobenzidine	252	18.490	18.490	(0.999)	339820	75.0000	72.436	REV
113 Benzo(a)anthracene	228	18.490	18.490	(0.999)	897373	75.0000	69.381	REV
115 bis(2-Ethylhexyl)phthalate	149	18.592	18.592	(1.004)	549420	75.0000	67.579	REV
116 Chrysene	228	18.560	18.560	(1.002)	878243	75.0000	73.368	REV
117 Di-n-octylphthalate	149	19.515	19.515	(0.945)	932653	75.0000	62.918	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.141	20.141	(0.975)	409186	75.0000	68.712	REV
119 Benzo(b)fluoranthene	252	20.135	20.135	(0.975)	987128	75.0000	67.024	REV
120 Benzo(k)fluoranthene	252	20.168	20.168	(0.976)	1048025	75.0000	68.915	REV
121 Benzo(a)pyrene	252	20.583	20.583	(0.996)	923886	75.0000	69.852	REV
123 3-MethylCholanthrene	268	21.069	21.069	(1.020)	450514	75.0000	71.141	REV
125 Indeno(1,2,3-cd)pyrene	276	22.191	22.191	(1.074)	1003066	75.0000	69.704	REV
126 Dibenz(a,h)anthracene	278	22.185	22.185	(1.074)	825859	75.0000	70.556	REV
127 Benzo(g,h,i)perylene	276	22.606	22.606	(1.094)	868466	75.0000	72.508	REV
M 176 Diallate (total)	234				112422	75.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061302.D

Date : 13-JUN-2007 14:15

Client ID: HSL_075

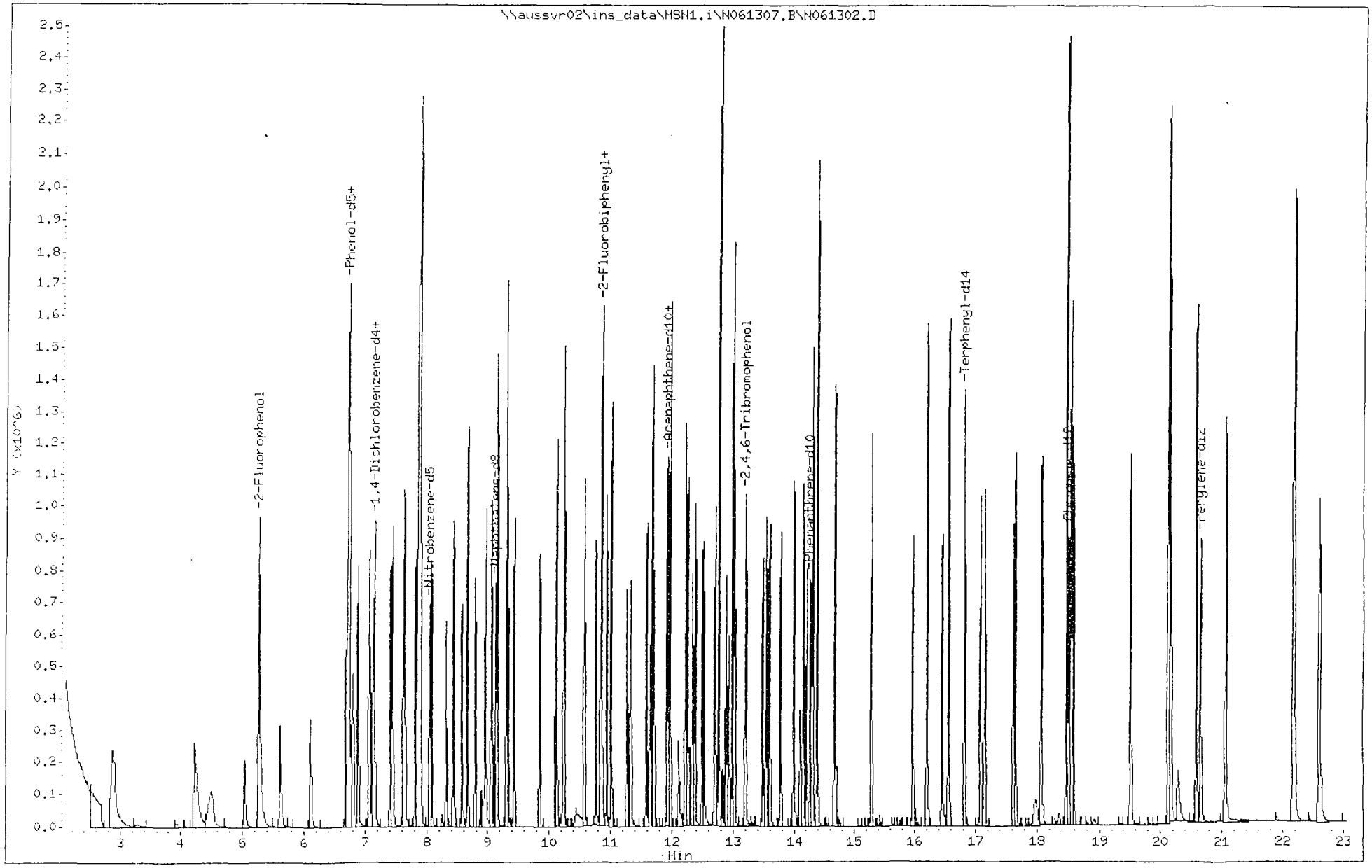
Sample Info: Ccalib_4;HSL_075;;2;4;3;;;; SMHSLCCV00019

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061303.D Page 1
Report Date: 14-Jun-2007 07:16

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061307.B\N061303.D
Lab Smp Id: Ccalib_4 Client Smp ID: APPIX_075
Inj Date : 13-JUN-2007 14:44
Operator : malloym Inst ID: MSN1.i
Smp Info : Ccalib_4;APPIX_075;;2;4;3;;;; SMAP9CCV00013
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M
Meth Date : 14-Jun-2007 07:16 MSN1.i Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.129	7.129	(1.000)	134826	40.0000	(Q)	REV
* 40 Naphthalene-d8	136	9.120	9.120	(1.000)	523236	40.0000		REV
* 64 Acenaphthene-d10	164	11.921	11.921	(1.000)	301121	40.0000		REV
* 93 Phenanthrene-d10	188	14.268	14.268	(1.000)	524873	40.0000		REV
* 114 Chrysene-d12	240	18.508	18.508	(1.000)	520896	40.0000		REV
* 122 Perylene-d12	264	20.650	20.650	(1.000)	507257	40.0000		REV
26 N-Nitrosomorpholine	56	7.863	7.863	(1.103)	202613	75.0000	77.259	REV
37 a,a-Dimethylphenethylamine	58	8.921	8.921	(0.978)	620499	75.0000	71.024	REV
71 1-Naphthylamine	143	12.379	12.379	(1.038)	602214	75.0000	73.578	REV
73 2-Naphthylamine	143	12.498	12.498	(1.048)	554638	75.0000	68 014	REV
89 4-Aminobiphenyl	169	13.998	13.998	(0.981)	716679	75.0000	72.625	REV
99 4-Nitroquinoline-1-oxide	190	15.622	15.622	(1.095)	20152	75.0000	58.633	REV
100 Methapyrilene	58	15.741	15.741	(1.103)	243687	75.0000	69.332	REV
130 N,N-Dimethylformamide	73	3.655	3.655	(0.513)	228369	75.0000	75.003	REV
131 Propyl cellosolve	43	4.038	4.038	(0.566)	325746	75.0000	76.327	REV
132 Acrylamide	55	5.165	5 165	(0.725)	97871	75.0000	82.807	REV
136 o,o,o-Triethylphosphorothioat	198	8.797	8.797	(0.965)	158649	75.0000	70.585	REV
142 p-Phenylenediamine	108	9.860	9.860	(1.081)	329531	75.0000	72.740	REV
143 1-Methylnaphthalene	142	10.415	10.415	(1.142)	583266	75.0000	72 949	REV
146 Biphenyl	154	10.998	10.998	(0.923)	727783	75.0000	72.245	REV
149 Diphenyl ether	170	11.176	11.176	(0.938)	412694	75.0000	73.580	REV
150 1,4-Dinitrobenzene	168	11.457	11.457	(0.961)	104733	75.0000	78.085	REV
151 Dimethyl terephthalate	194	11.964	11.964	(1.004)	123210	75.0000	76.621	REV
153 2,3,5,6-Tetrachlorophenol	232	12.455	12.455	(1.045)	142829	75.0000	78.544	REV
154 Thionazin	97	12.832	12.832	(1.076)	137361	75.0000	76.348	REV
155 Sulfotepp	97	13.394	13.394	(0.939)	98430	75.0000	73.402	REV
156 Phorate	75	13.512	13.512	(0.947)	355774	75.0000	73.426	REV
157 Dimethoate	87	13.836	13.836	(0.970)	195997	75.0000	73.228	REV
158 Disulfoton	88	14.338	14.338	(1.005)	297271	75.0000	72.765	REV
159 Methyl parathion	109	14.953	14.953	(1.048)	170144	75.0000	74.762	REV
160 Parathion	109	15.579	15.579	(1.092)	124467	75.0000	74.214	REV
161 Aramite #1	185	16.830	16.830	(0.909)	45168	75.0000		REV
162 Aramite #2	185	16.949	16.949	(0.916)	79538	75.0000		REV

6/15-7

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061303.D Page 2
Report Date: 14-Jun-2007 07:16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
163 Famphur	218	17.602	17.602	(0.951)	22954	75.0000	164.43(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.471	18.471	(0.998)	93786	75.0000	72.481	REV
167 Dibenz(a,j)acridine	279	21.886	21.886	(1.060)	855360	75.0000	79.560	REV
173 1-Methyl-2-pyrrolidone	99	7.502	7.502	(1.052)	208744	75.0000	75.092	REV
M 177 Aramite (total)	185				124706	75.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061303.D

Date : 13-JUN-2007 14:44

Client ID: APPIX_075

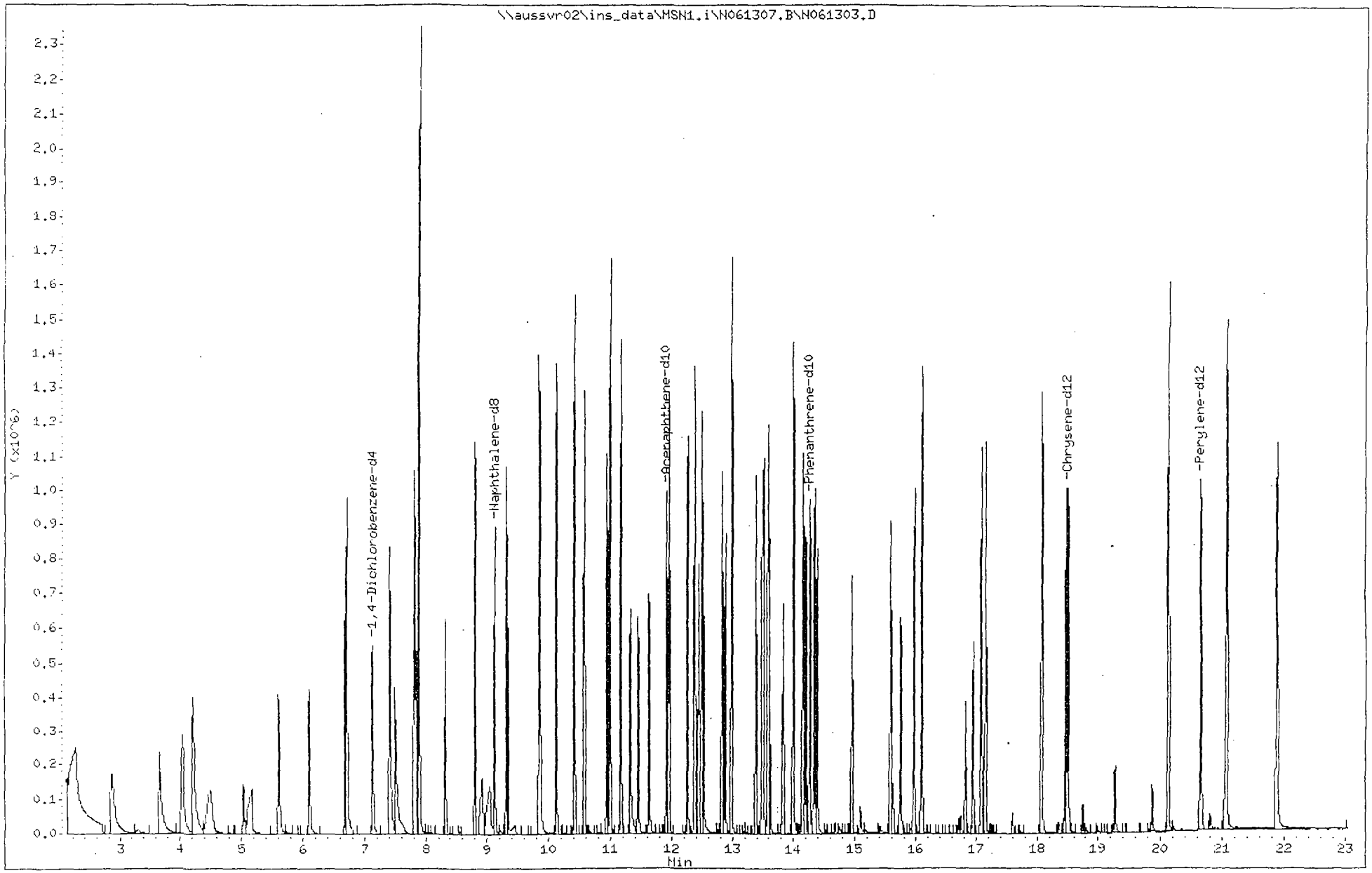
Sample Info: Ccalib_4;APPIX_075;;2;4;3;;;; SMAP9CCV00013

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D Page 1
Report Date: 14-Jun-2007 10:53

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D
Lab Smp Id: J0DTN1AF Client Smp ID: MW29
Inj Date : 13-JUN-2007 18:07
Operator : malloym Inst ID: MSN1.i
Smp Info : J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000
Misc Info : ;2-hsla.sub; IS STD SMINTSTDW00002; 7157509
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061307.B\N053107M.M
Meth Date : 14-Jun-2007 10:52 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 10
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 2-HSLa.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	1000.000	Final volume of the extract (uL)
Vo	1050.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.135	7.128	(1.000)	114399	40.0000		REV
* 40 Naphthalene-d8	136	9.121	9.119	(1.000)	446958	40.0000		REV
* 64 Acenaphthene-d10	164	11.921	11.919	(1 000)	254815	40.0000		REV
* 93 Phenanthrene-d10	188	14.257	14.255	(1.000)	436544	40.0000		REV
* 114 Chrysene-d12	240	18.509	18.507	(1.000)	433812	40.0000		REV
* 122 Perylene-d12	264	20.651	20.649	(1.000)	426089	40.0000		REV
$ 6 2-Fluorophenol	112	5.301	5.265	(0.743)	40508	10.0850	96.047	REV
$ 12 Phenol-d5	99	6.747	6.733	(0.946)	57401	11.7601	112.00	REV
$ 82 2,4,6-Tribromophenol	330	13.200	13.213	(0.926)	12462	13.3331	126.98	REV
$ 29 Nitrobenzene-d5	82	8.052	8.055	(0.883)	33040	7.80624	74.345(a)	REV
$ 54 2-Fluorobiphenyl	172	10.853	10.860	(0.910)	66069	7.75023	73.812(a)	REV
$ 105 Terphenyl-d14	244	16.820	16.828	(0.909)	77350	8.60010	81.906(a)	REV
13 Phenol	94	6.768	6.749	(0.949)	286349	49.5096	471.52	REV
19 Benzyl Alcohol	108	7.432	7.418	(1.042)	56424	21.0239	200.23	REV
21 2-Methylphenol	108	7.642	7.639	(1 071)	76073	20.1582	191.98	REV
22 Acetophenone	105	7.820	7.817	(1.096)	109026	19.6886	187.51	REV
25 3-(and/or 4-)Methylphenol	108	7.874	7.877	(1.104)	130567	32.4155	308.72(Q)	REV
34 2,4-Dimethyphenol	107	8.673	8 670	(0.951)	54507	12.6880	120.84	REV
41 Naphthalene	128	9.153	9.155	(1.004)	91142	7.71543	73.480(a)	REV
49 2-Methylnaphthalene	142	10.238	10.240	(1 122)	5890	0.75754	7.2147(aQ)	REV
76 Fluorene	166	12.774	12.776	(1.072)	1422	0.18136	1.7272(a)	REV
94 Phenanthrene	178	14.295	14.308	(1.003)	5838	0.52231	4.9744(a)	REV

6-15-7

Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D Page 2
Report Date: 14-Jun-2007 10:53

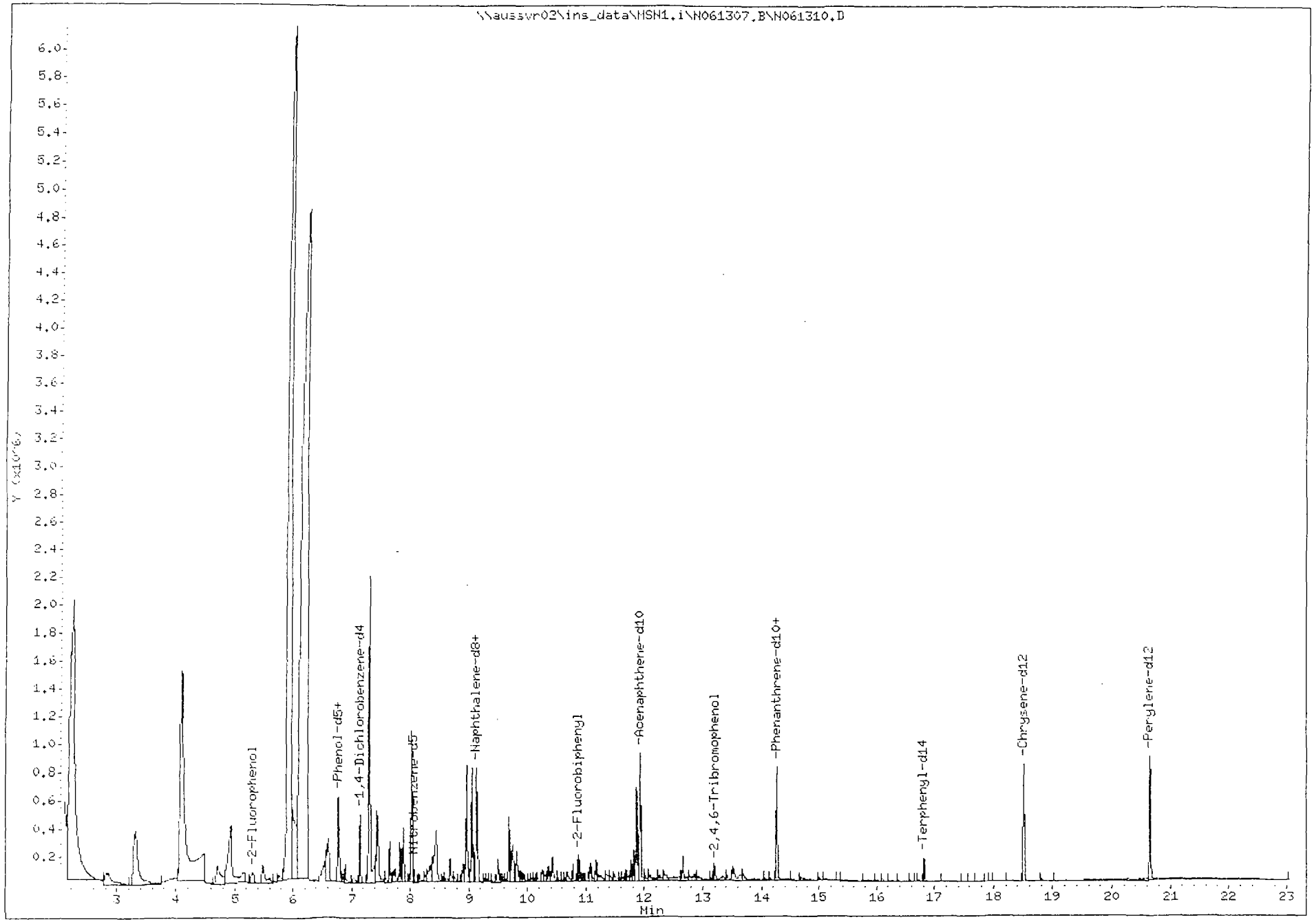
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
95 Anthracene	178	14.376	14.378	(1.008)	1186	0.10613	1.0108(aQ)	REV
97 Carbazole	167	14.662	14.664	(1.028)	14501	1.36647	13.014(a)	REV
102 Fluoranthene	202	16.210	16.207	(1.137)	2882	0.23452	2.2335(a)	REV
104 Pyrene	202	16.572	16.569	(0.895)	2878	0.20493	1.9517(a)	REV
174 Caprolactam	113	9.801	9.820	(1.075)	165	0.13423	1.2784(aQ)	REV

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ausswr02\ins_data\MSW1.i\N061307.B\N061310.D
Date : 13-JUN-2007 18:07

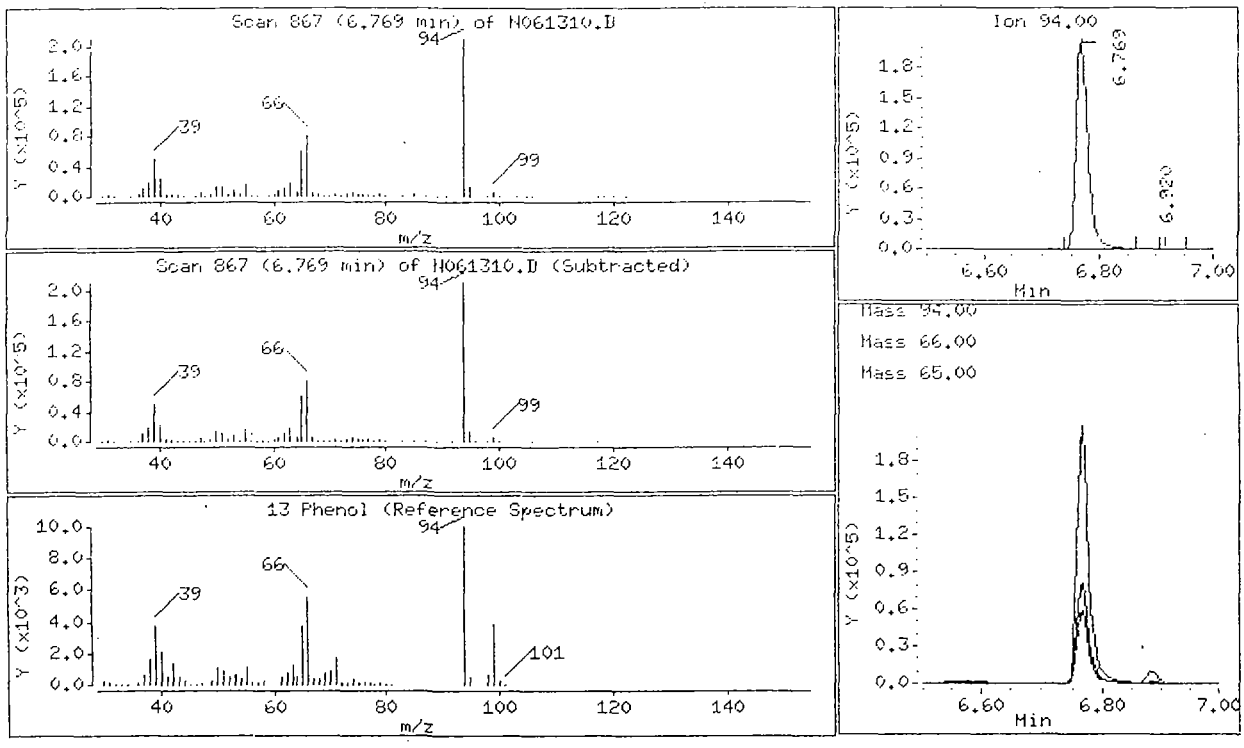
Sample Info: J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000



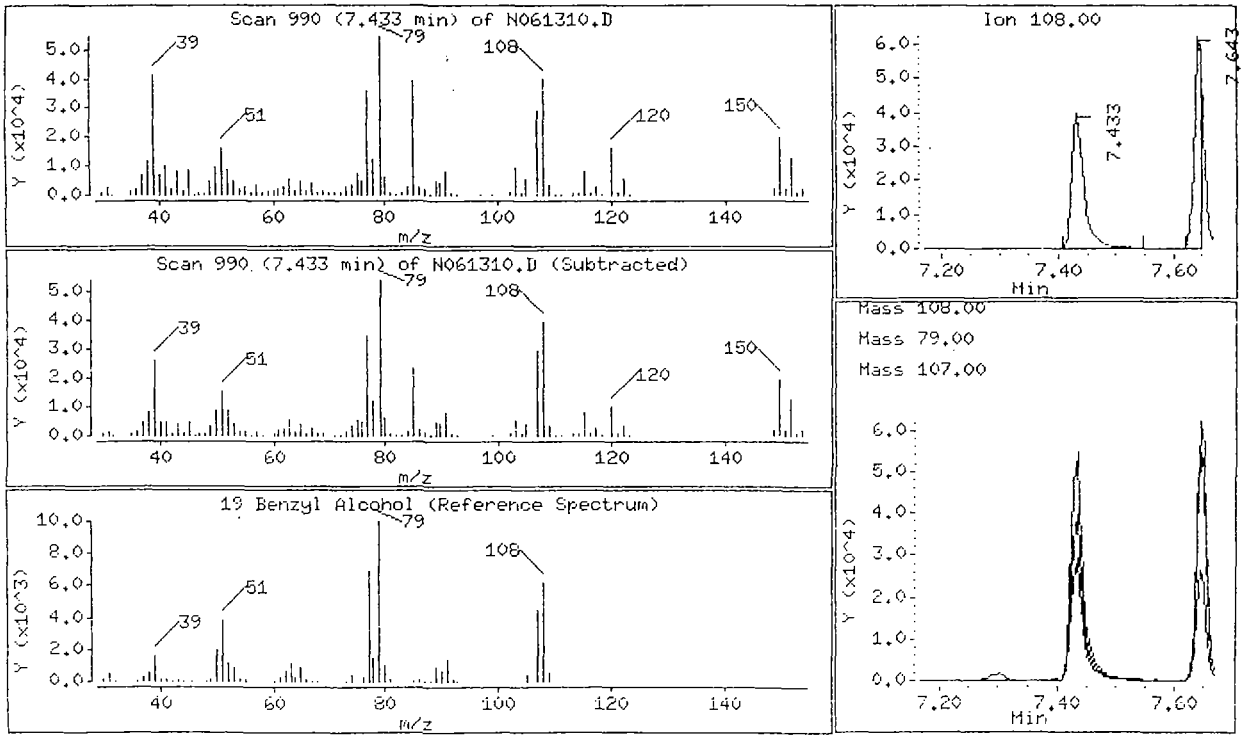
Data File: \\aussvr02\ms_data\MSN1.i\N061307.B\N061310.D Page 4

Date : 13-JUN-2007 18:07 Sample Info: J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000

13 Phenol Concentration: 471.52 ug/L



19 Benzyl Alcohol Concentration: 200.23 ug/L



Data File: \\aussvr02\ms_data\MSN1.1\N061307.B\N061310.D

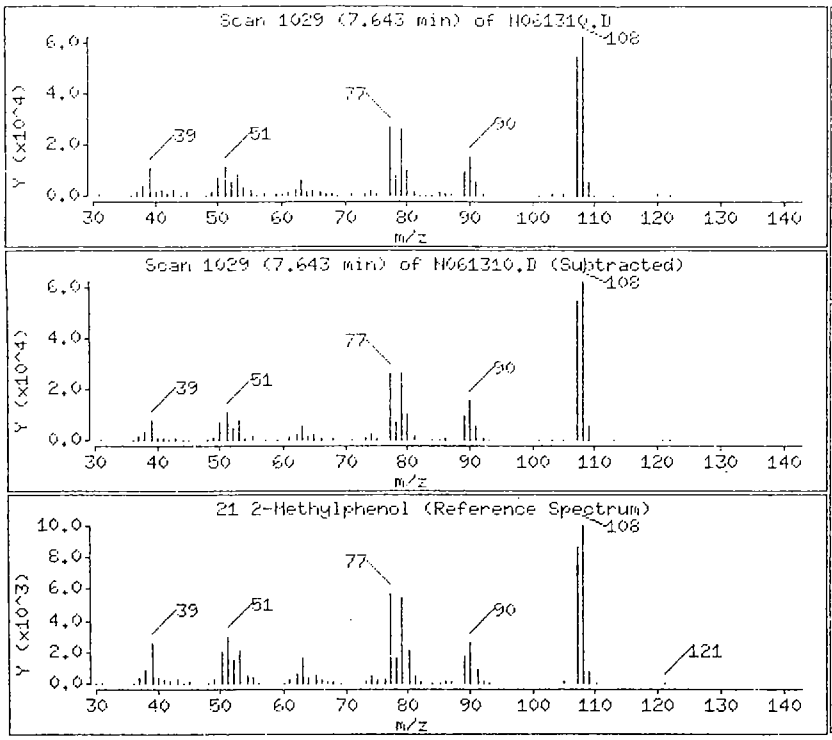
Page 5

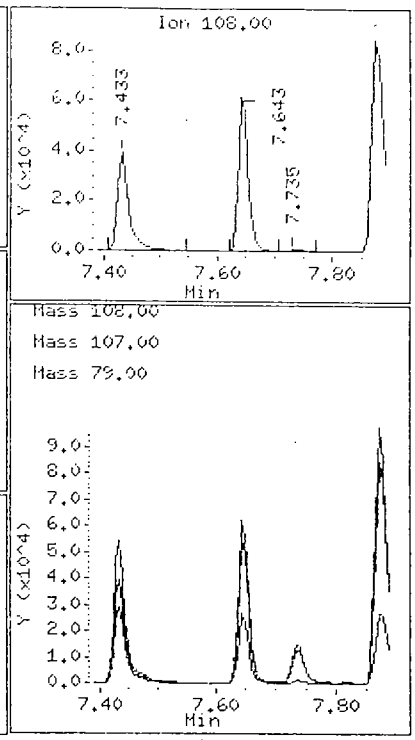
Date : 13-JUN-2007 18:07

Sample Info: JODTN1AF:I7F060169-02;10;0;;1;1050;;1000

21 2-Methylphenol

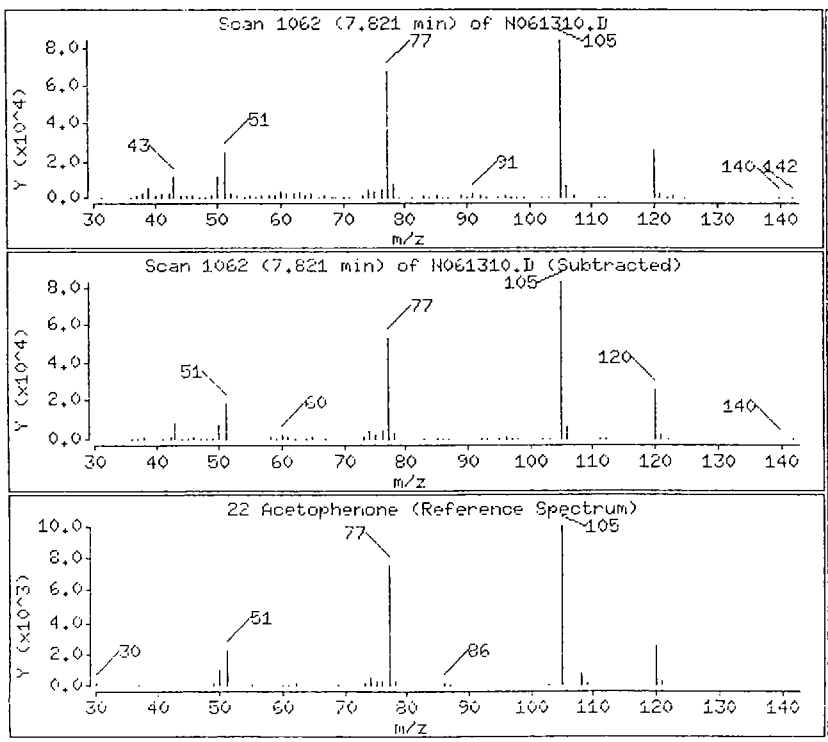
Concentration: 191.98 ug/L

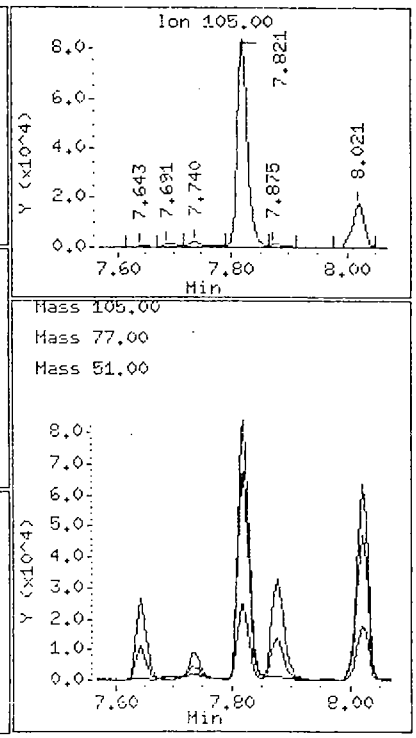




22 Acetophenone

Concentration: 187.51 ug/L





Data File: \\aussvr02\ins_data\MSH1.1\N061307.B\N061310.D

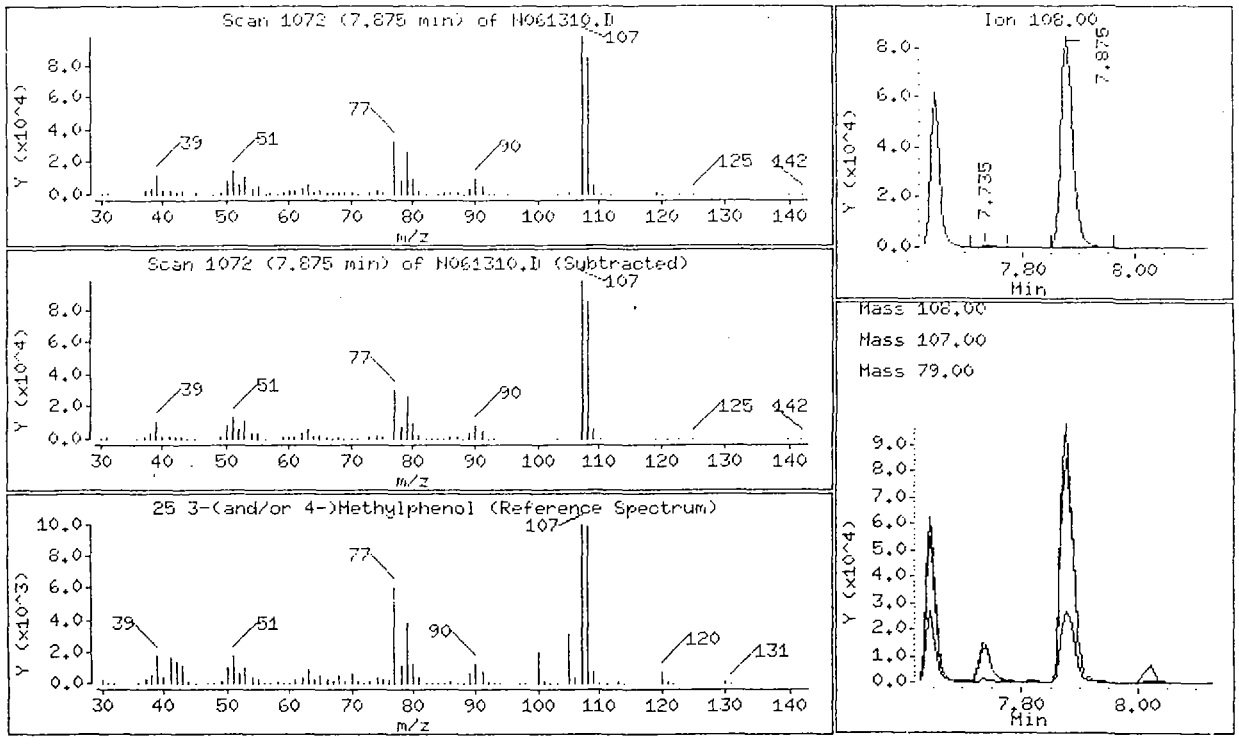
Page 6

Date : 13-JUN-2007 18:07

Sample Info: J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000

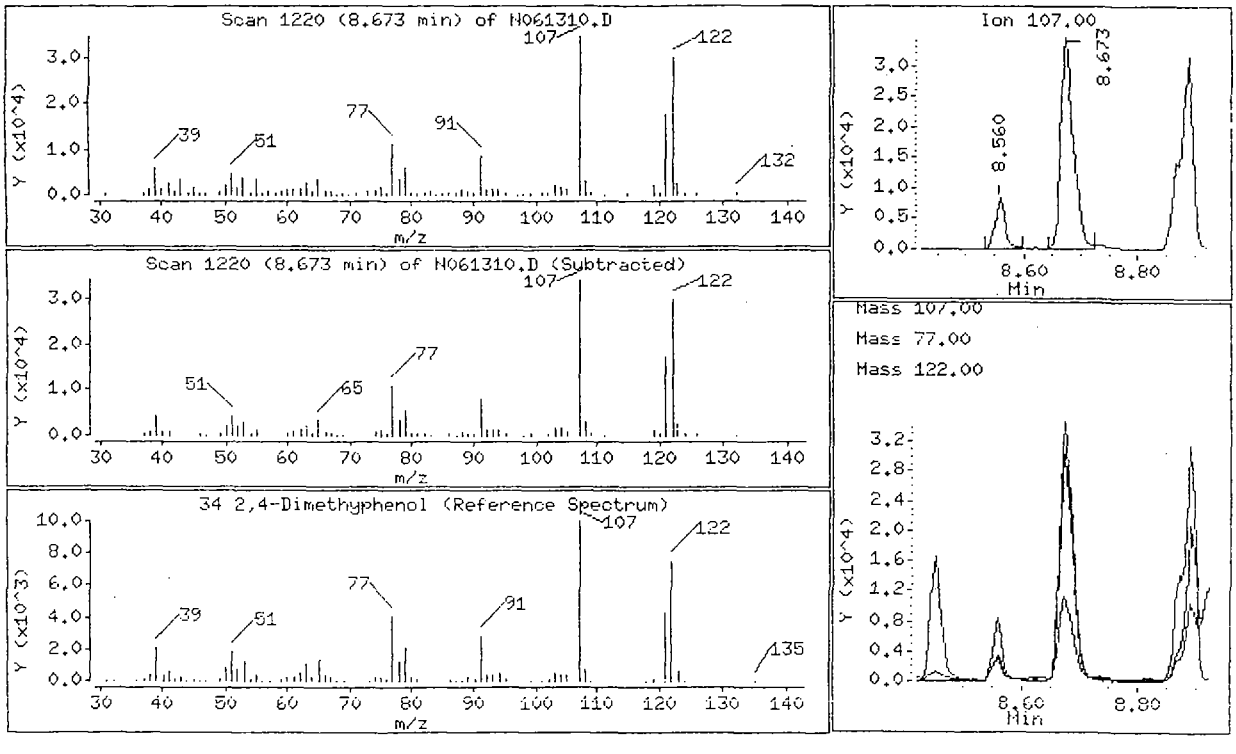
25 3-(and/or 4-)Methylphenol

Concentration: 308.72 ug/L



34 2,4-Dimethyphenol

Concentration: 120.84 ug/L



Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D

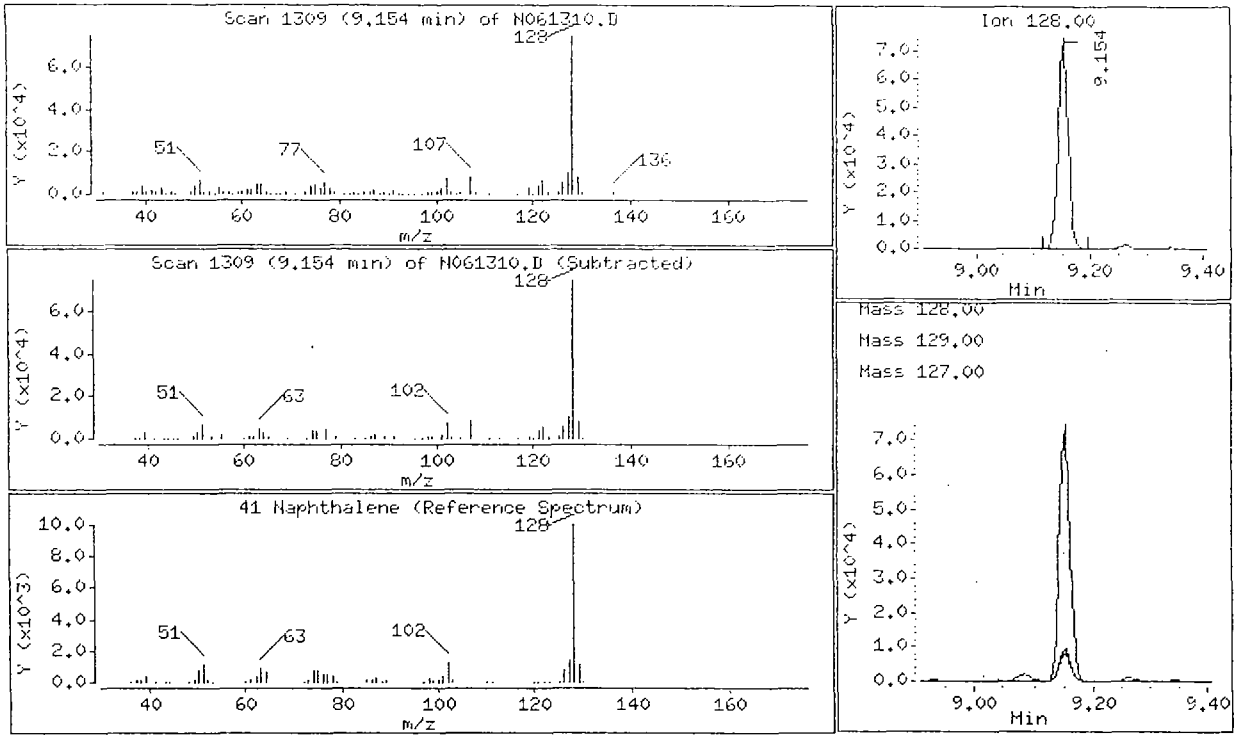
Page 7

Date : 13-JUN-2007 18:07

Sample Info: J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000

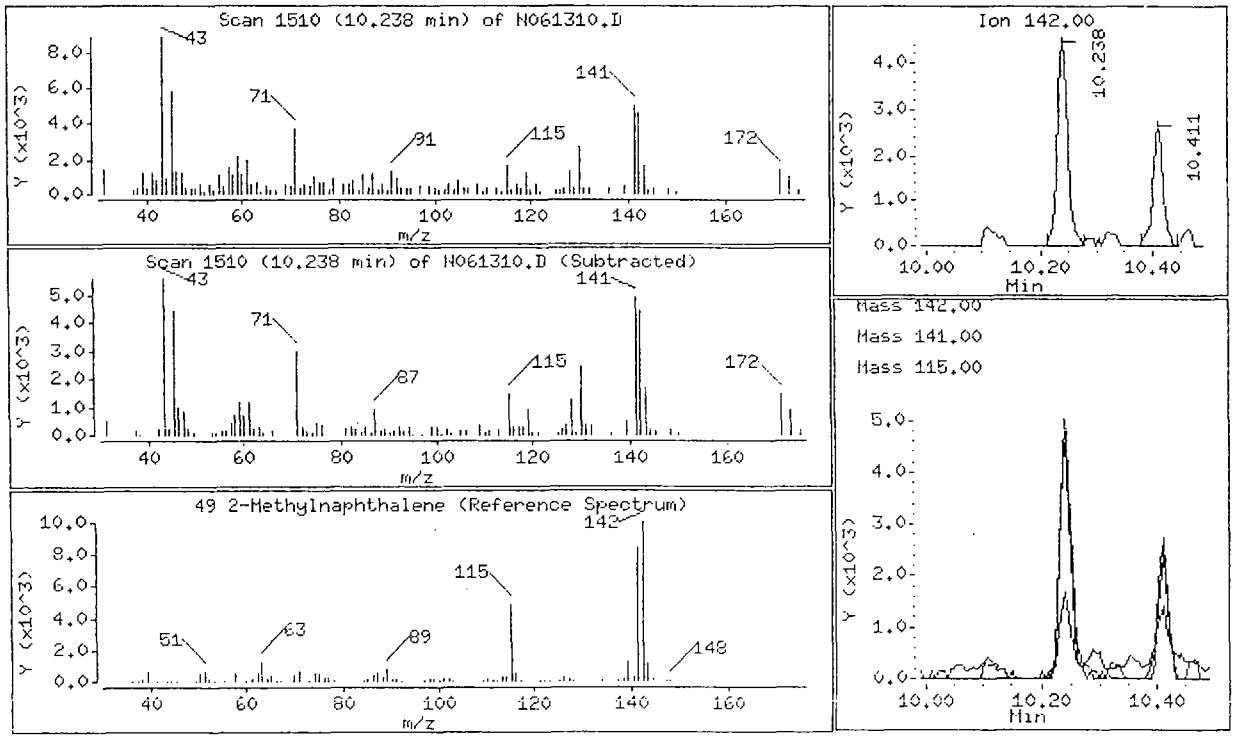
41 Naphthalene

Concentration: 73.480 ug/L



49 2-Methylnaphthalene

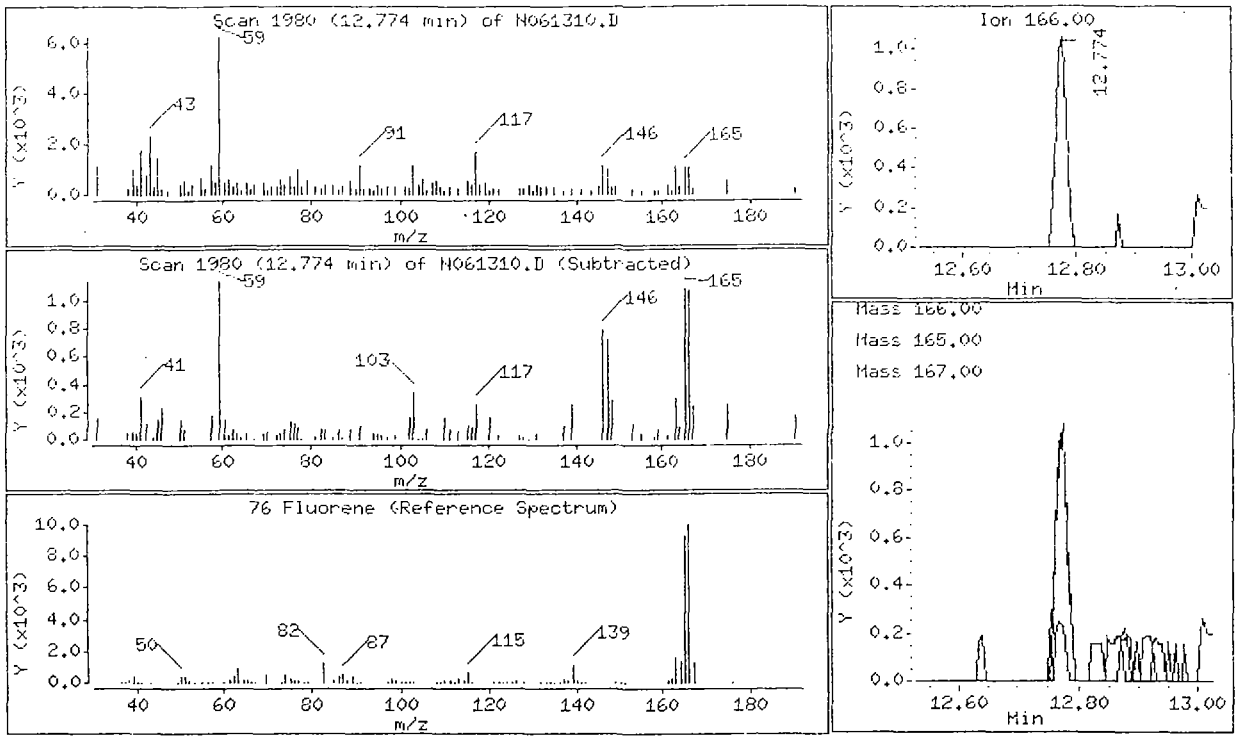
Concentration: 7.2147 ug/L



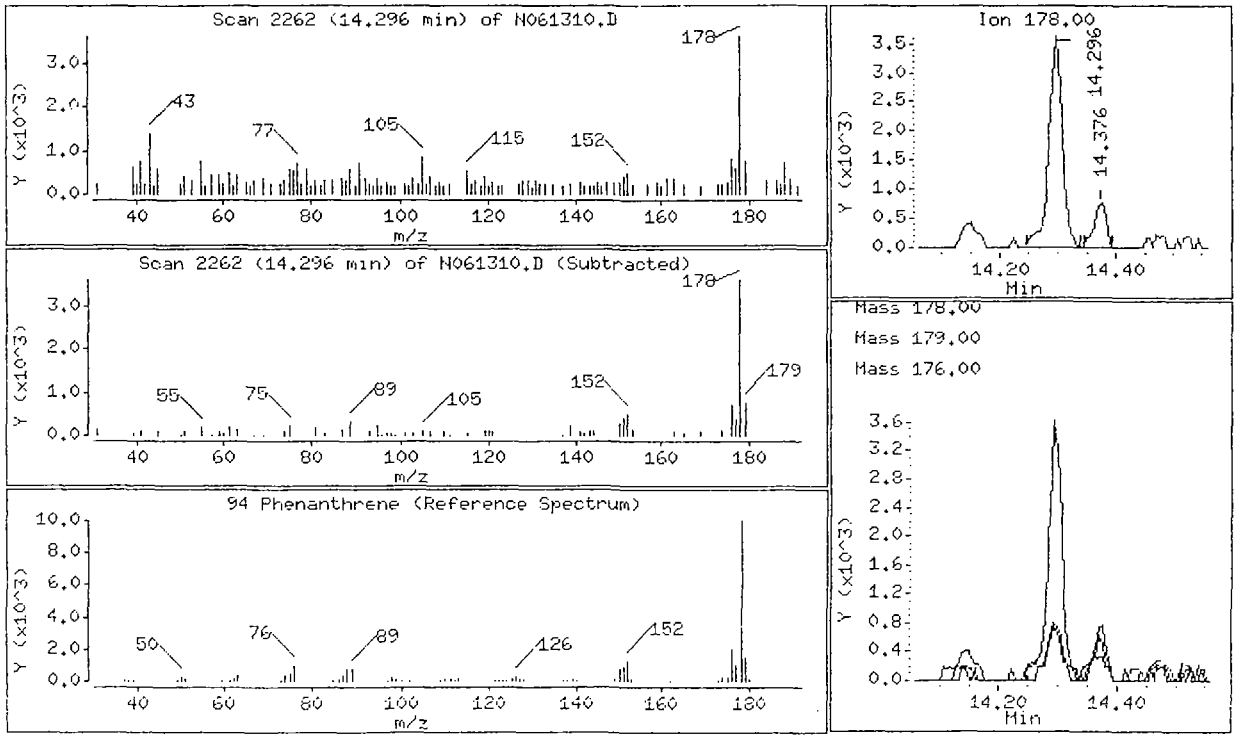
Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D Page 8

Date : 13-JUN-2007 18:07 Sample Info: JODTN1AF;I7F060169-02;10:0;;1;1050;;1000

76 Fluorene Concentration: 1.7272 ug/L



94 Phenanthrene Concentration: 4.9744 ug/L



Data File: \\aussvr02\ms_data\MSN1.1\N061307.B\N061310.D

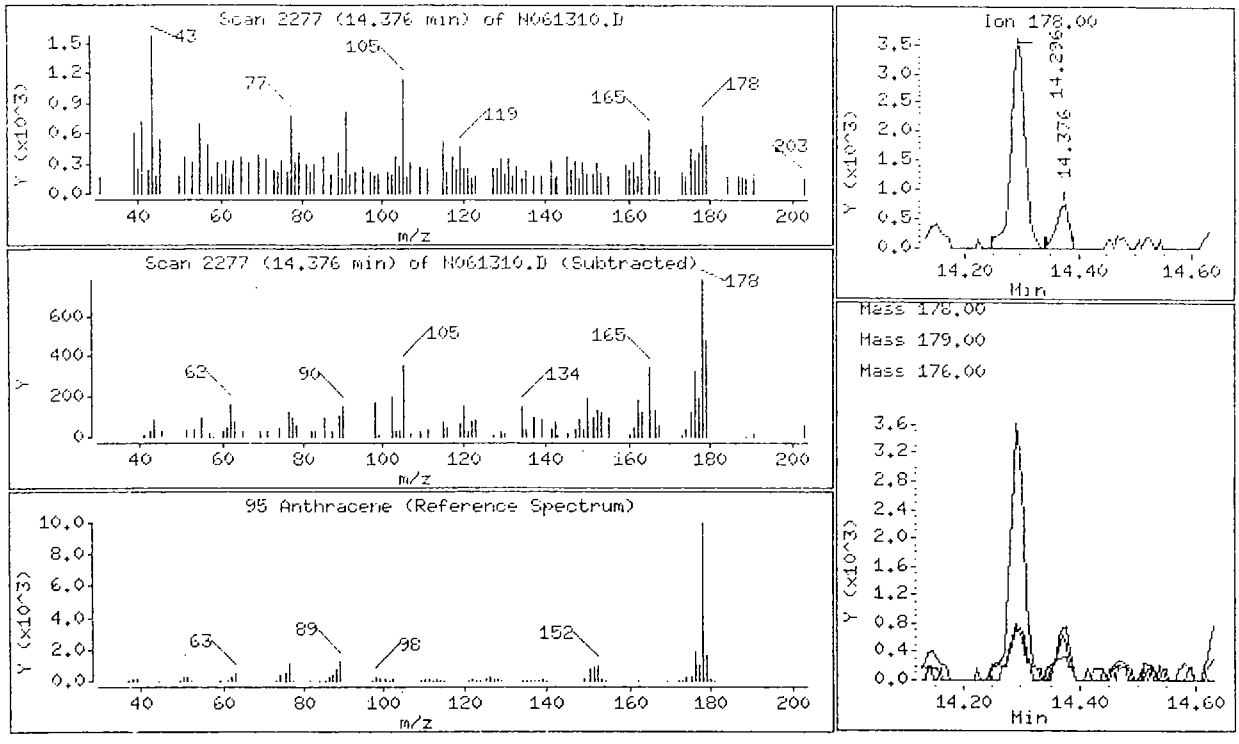
Page 9

Date : 13-JUN-2007 18:07

Sample Info: JODTN1AF;I7F060169-02;10;0;;1;1050;;1000

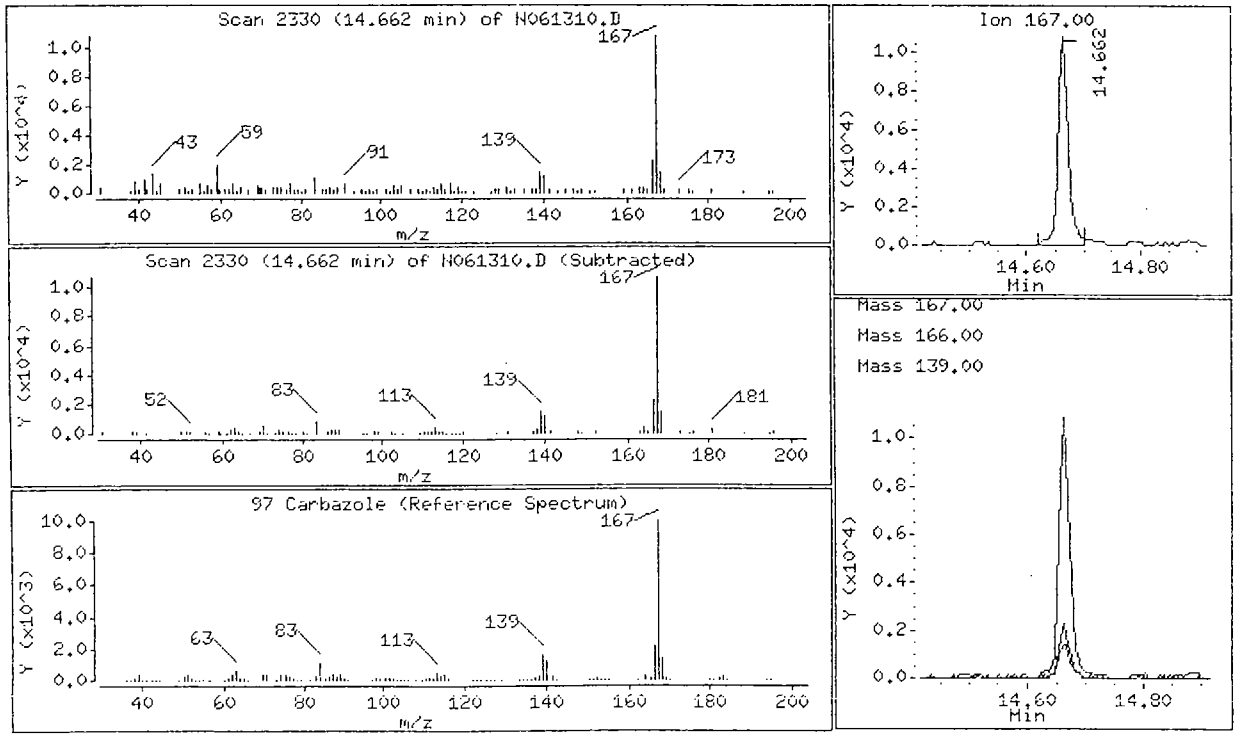
95 Anthracene

Concentration: 1.0108 ug/L



97 Carbazole

Concentration: 13.014 ug/L



Data File: \\aussvr02\ins_data\M3N1.:\N061307.B\N061310.D

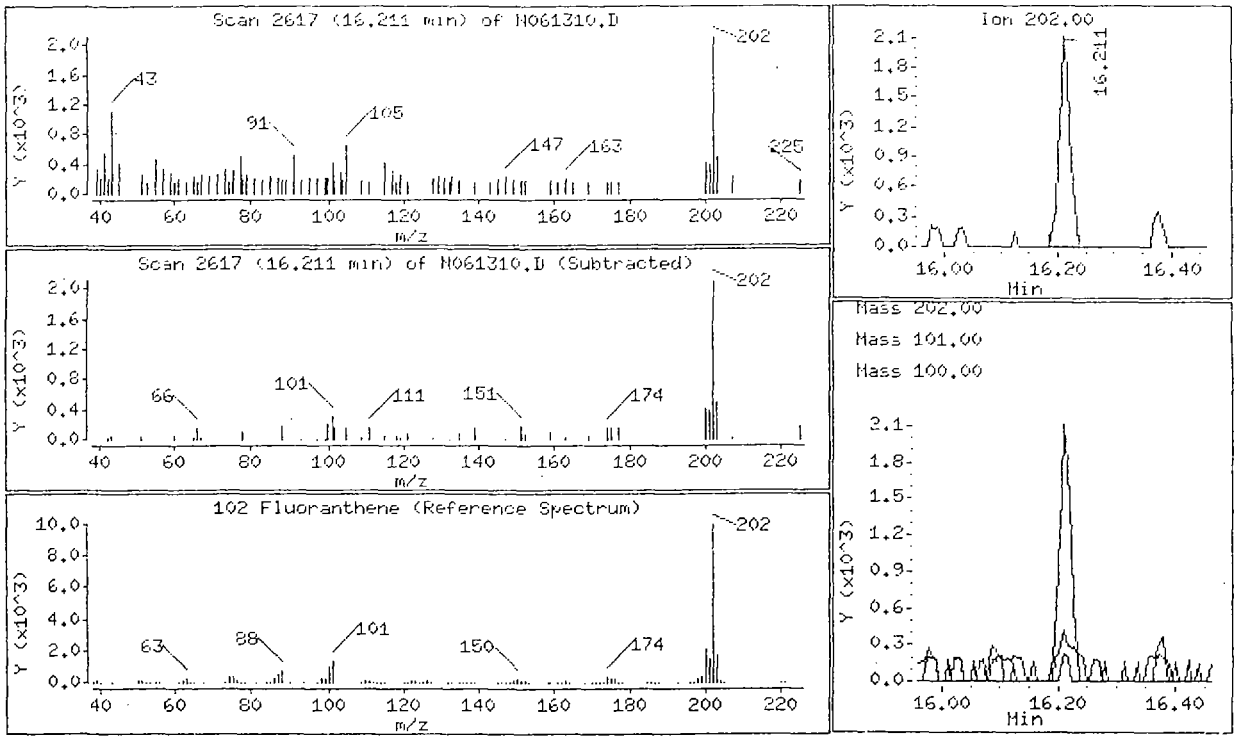
Page 10

Date : 13-JUN-2007 18:07

Sample Info: J0DTN1AF;I7F060169-02;10;0;;1;1050;;1000

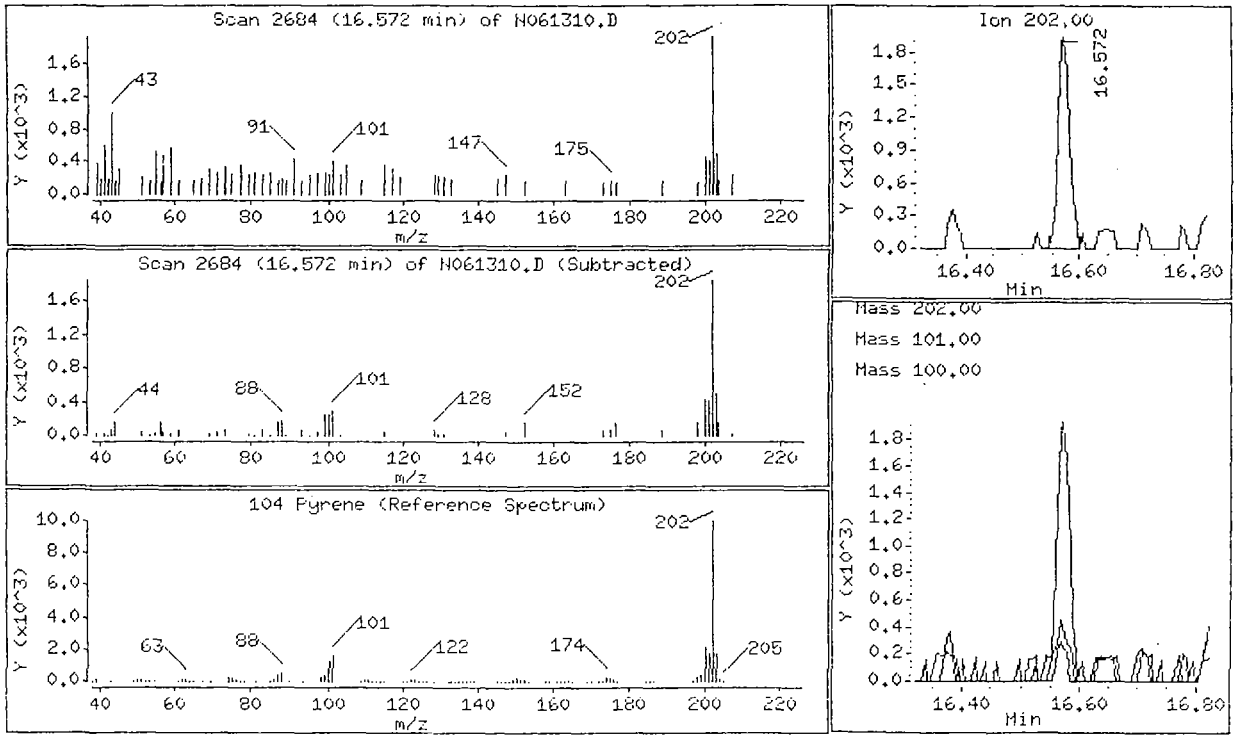
102 Fluoranthene

Concentration: 2.2335 ug/L



104 Pyrene

Concentration: 1.9517 ug/L



Data File: \\aussvr02\ins_data\MSN1.i\N061307.B\N061310.D

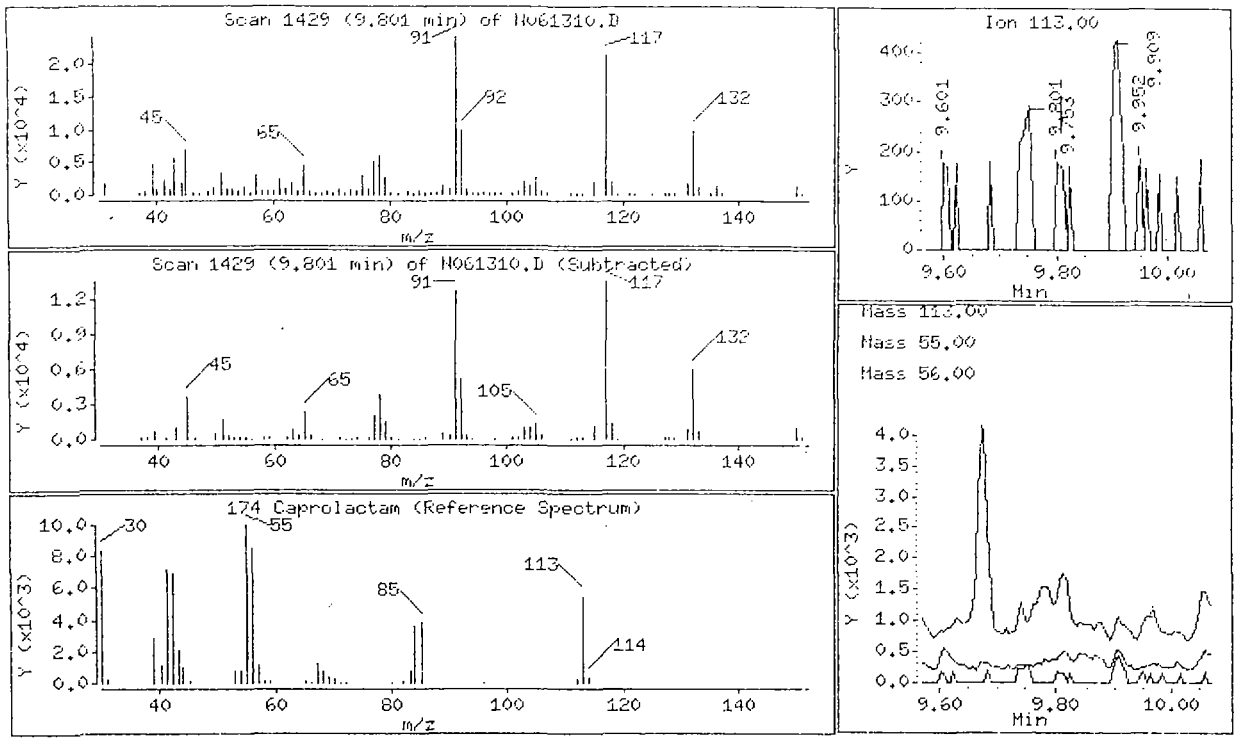
Page 11

Date : 13-JUN-2007 18:07

Sample Info: JODTN1AF;I7F060169-02;10;0;;1;1050;;1000

174 Caprolactam

Concentration: 1.2784 ug/L



Calibration Data

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

libration File Names:
vel 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053111.D~~ N053103.D
vel 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053112.D~~ N053104.D
vel 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053113.D~~ N053105.D
vel 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053114.D~~ N053106.D
vel 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053115.D~~ N053107.D
vel 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053116.D~~ N053108.D
vel 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\~~N053117.D~~ N053109.D

MM 6-4-1

JG 6-5-07

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Pyridine	1.33780	1.47458	1.45377	1.39413	1.33474	1.33050					
	1.32022						AVRG		1.37796		4.62893
2 N-Nitrosodimethylamine	0.78256	0.87430	0.81562	0.79640	0.77358	0.76964					
	0.77130						AVRG		0.79763		4.71490
3 2-Picoline	1.52557	1.73446	1.63715	1.59572	1.54301	1.53628					
	1.52827						AVRG		1.58578		4.88843
4 N-Nitrosomethylethylamine	0.69465	0.78902	0.75103	0.73078	0.71352	0.71496					
	0.71744						AVRG		0.73020		4.26926

MM 6-4-7

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Methyl methanesulfonate	0.79327	0.87883	0.83773	0.79991	0.75185	0.74399					
	0.73234						AVRG		0.79113		6.76092
7 N-Nitrosodiethylamine	0.65483	0.76018	0.70747	0.71875	0.70572	0.70852					
	0.70135						AVRG		0.70812		4.35854
8 Ethyl methanesulfonate	1.00215	1.12714	1.08825	1.04607	1.02920	1.03749					
	1.03597						AVRG		1.05232		3.96893
9 Pentachloroethane	0.47243	0.54357	0.51068	0.48995	0.48088	0.47637					
	0.47973						AVRG		0.49337		5.16820
10 Aniline	2.07454	2.36384	2.24280	2.19434	2.09233	2.07856					
	2.07818						AVRG		2.16066		5.16722
11 bis(2-Chloroethyl)ether	1.35311	1.52232	1.43886	1.40204	1.38981	1.39973					
	1.39847						AVRG		1.41491		3.78701
13 Phenol	1.90657	2.15037	2.12783	1.97086	1.99919	2.00115					
	2.00007						AVRG		2.02229		4.28504

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Chlorophenol	1.44975	1.64680	1.54202	1.50015	1.46765	1.46869					
	1.48189						AVRG		1.50814		4.50803
15 1,3-Dichlorobenzene	1.55738	1.75507	1.63431	1.58219	1.52862	1.51357					
	1.52207						AVRG		1.58474		5.42612
16 1,4-Dichlorobenzene	1.62085	1.81485	1.68885	1.63915	1.59896	1.56833					
	1.56780						AVRG		1.64268		5.29018
18 1,2-Dichlorobenzene	1.49554	1.69517	1.56887	1.51663	1.47528	1.45909					
	1.46362						AVRG		1.52489		5.51292
19 Benzyl Alcohol	0.85532	0.99358	0.96801	0.94216	0.93083	0.93857					
	0.94033						AVRG		0.93840		4.54206
20 bis(2-Chloroisopropyl)ether	1.65754	1.83491	1.68910	1.62551	1.57159	1.55092					
	1.54053						AVRG		1.63859		6.27411
21 2-Methylphenol	1.26797	1.42595	1.35211	1.30821	1.29084	1.29274					
	1.29881						AVRG		1.31952		4.05081

STL Austin

INITIAL CALIBRATION DATA

art Cal Date : 31-MAY-2007 12:44
d Cal Date : 31-MAY-2007 19:49
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
st Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetophenone	1.83320	2.09633	1.98909	1.93054	1.90457	1.90560					
	1.89415						AVRG		1.93621		4.36134
23 N-Nitroso-di-n-propylamine	0.98388	1.11862	1.06265	1.01997	0.95925	0.93567					
	0.90268						AVRG		0.99753		7.53305
24 N-Nitrosopyrrolidine	0.64954	0.75414	0.73672	0.71215	0.67613	0.67007					
	0.64137						AVRG		0.69144		6.29417
25 3-(and/or 4-)Methylphenol	1.38084	1.55474	1.46904	1.42267	1.37495	1.34599					
	1.31038						AVRG		1.40837		5.84627
27 o-Toluidine	2.08675	2.38629	2.25067	2.17911	2.14027	2.12588					
	2.06490						AVRG		2.17627		5.09970
28 Hexachloroethane	0.56936	0.64915	0.61125	0.59183	0.57515	0.56187					
	0.55281						AVRG		0.58735		5.70013
30 Nitrobenzene	0.38483	0.44212	0.40660	0.39891	0.37886	0.37370					
	0.37254						AVRG		0.39394		6.29084

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 N-Nitrosopiperidine	0.16676	0.19652	0.18635	0.18018	0.17531	0.17559					
	0.17565						AVRG		0.17962		5.27887
32 Isophorone	0.65180	0.76491	0.71398	0.69181	0.66884	0.66367					
	0.65991						AVRG		0.68785		5.83448
33 2-Nitrophenol	0.17530	0.21337	0.21083	0.20643	0.20280	0.20299					
	0.20536						AVRG		0.20244		6.22084
34 2,4-Dimethyphenol	0.36657	0.42559	0.39822	0.38705	0.37568	0.37051					
	0.36761						AVRG		0.38446		5.58242
35 Bis(2-chloroethoxy)methane	0.37222	0.43810	0.40812	0.39729	0.38425	0.38346					
	0.38296						AVRG		0.39520		5.60835
36 2,4-Dichlorophenol	0.27151	0.32102	0.30232	0.29318	0.28714	0.28540					
	0.28591						AVRG		0.29235		5.36000
38 1,2,4-Trichlorobenzene	0.31658	0.36557	0.33484	0.32716	0.31357	0.30832					
	0.31061						AVRG		0.32523		6.19278

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
39 Benzoic Acid	+++++	9403	46779	64932	116509	158266					
	203003						WLINR	0.31773	0.10144		0.99014
41 Naphthalene	1.05256	1.19109	1.08973	1.06074	1.01307	0.99931					
	0.99382						AVRG		1.05719		6.50030
42 4-Chloroaniline	0.41213	0.48397	0.45811	0.44215	0.42447	0.41956					
	0.40485						AVRG		0.43503		6.47770
43 2,6-Dichlorophenol	0.27734	0.32002	0.30336	0.29172	0.28202	0.27804					
	0.27736						AVRG		0.28998		5.64739
44 Hexachloropropene	0.16460	0.20485	0.20422	0.20549	0.19818	0.19404					
	0.19229						AVRG		0.19481		7.36315
45 Hexachlorobutadiene	0.19049	0.21965	0.19934	0.19375	0.18286	0.17885					
	0.17720						AVRG		0.19173		7.67328
46 N-Nitroso-di-n-butylamine	0.21821	0.26475	0.24823	0.23796	0.23206	0.22778					
	0.22480						AVRG		0.23626		6.70256

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
47 4-Chloro-3-Methylphenol	0.29201	0.35817	0.34095	0.33047	0.31914	0.31317					
	0.30866						AVRG		0.32322		6.79325
48 Safrole	0.25327	0.30261	0.28545	0.27490	0.26878	0.26817					
	0.26581						AVRG		0.27414		5.78324
49 2-Methylnaphthalene	0.66572	0.77609	0.72749	0.70079	0.67527	0.66454					
	0.66090						AVRG		0.69583		6.15237
50 Hexachlorocyclopentadiene	+++++	3724	32284	50698	101184	146833					
	170812						QUAD	0.49367	6.80755	-2.63312	0.99283
51 1,2,4,5-Tetrachlorobenzene	0.54892	0.60823	0.57679	0.57009	0.54990	0.54118					
	0.53980						AVRG		0.56213		4.39690
52 2,4,6-Trichlorophenol	0.30311	0.36195	0.35880	0.35495	0.34682	0.34437					
	0.34429						AVRG		0.34490		5.71999
53 2,4,5-Trichlorphenol	0.32808	0.37547	0.38654	0.37862	0.37257	0.36934					
	0.37371						AVRG		0.36919		5.12846

436

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 2-Chloronaphthalene	0.44145	0.50171	0.47046	0.46085	0.44415	0.43937					
	0.43677						AVRG		0.45640		5.15322
56 Isosafrole	0.46263	0.53127	0.49445	0.48160	0.46402	0.46115					
	0.46044						AVRG		0.47937		5.47472
57 2-Nitroaniline	0.32076	0.38115	0.36276	0.35617	0.35089	0.35234					
	0.35267						AVRG		0.35382		5.07807
58 1,4-Naphthoquinone	0.36811	0.46699	0.45872	0.44759	0.42289	0.41616					
	0.40971						AVRG		0.42717		7.95622
59 Dimethylphthalate	1.22645	1.38860	1.29174	1.27590	1.20844	1.21437					
	1.25963						AVRG		1.26645		4.92845
60 2,6-Dinitrotoluene	0.28538	0.33493	0.31991	0.31162	0.29604	0.29567					
	0.29964						AVRG		0.30617		5.55204
61 1,3-Dinitrobenzene	0.18867	0.23324	0.23616	0.23526	0.23548	0.23908					
	0.24049						AVRG		0.22977		7.95933

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Acenaphthylene	1.84850	2.12224	1.97627	1.90387	1.83099	1.80293					
	1.78627						AVRG		1.89587		6.27338
63 3-Nitroaniline	0.30165	0.35006	0.34501	0.34253	0.33903	0.34207					
	0.34660						AVRG		0.33814		4.87154
65 Acenaphthene	1.11253	1.26289	1.17445	1.14420	1.09627	1.08060					
	1.07327						AVRG		1.13489		5.88599
66 2,4-Dinitrophenol	+++++	8367	47313	61704	110710	148358					
	176908						WLINR	0.35044	0.17828		0.99542
67 Dibenzofuran	1.56767	1.77260	1.63562	1.59125	1.52318	1.50944					
	1.51581						AVRG		1.58794		5.88237
68 4-Nitrophenol	0.11822	0.16054	0.15823	0.15703	0.15387	0.15670					
	0.16032						AVRG		0.15213		9.94257
69 Pentachlorobenzene	0.45204	0.51849	0.48585	0.46974	0.44899	0.44099					
	0.43743						AVRG		0.46479		6.25947

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
70 2,4-Dinitrotoluene	0.34770	0.42550	0.42445	0.41745	0.39769	0.40153					
	0.40872						AVRG		0.40329		6.63491
72 2,3,4,6-tetrachlorophenol	0.21490	0.27843	0.29430	0.29076	0.29095	0.29020					
	0.28882						AVRG		0.27834		10.20756
74 Diethylphthalate	1.16689	1.35679	1.28810	1.26907	1.19241	1.20423					
	1.20883						AVRG		1.24090		5.37106
75 4-Chlorophenyl-phenylether	0.62020	0.71272	0.64232	0.62771	0.59011	0.56828					
	0.55861						AVRG		0.61714		8.48015
76 Fluorene	1.22089	1.39405	1.27139	1.24886	1.18411	1.15253					
	1.14394						AVRG		1.23083		7.00266
77 5-Nitro-o-toluidine	0.33691	0.41183	0.40964	0.39740	0.38243	0.38467					
	0.37741						AVRG		0.38576		6.57014
78 4,6-Dinitro-2-methylphenol	8895	27821	88326	106078	163980	206626					
	238126						WLINR	0.07978	0.12827		0.99779

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
79 4-Nitroaniline	0.29114	0.35146	0.34332	0.33220	0.31643	0.32454					
	0.32841						AVRG		0.32679		5.98705
80 N-Nitrosodiphenylamine/DPA	1.09102	1.24619	1.19556	1.15596	1.07443	1.06361					
	1.07179						AVRG		1.12837		6.35573
81 Azobenzene	0.69193	0.78506	0.70743	0.68639	0.74574	0.72885					
	0.71728						AVRG		0.72324		4.71668
83 Diallate #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
84 4-Bromophenyl-phenylether	0.19960	0.22651	0.21194	0.20042	0.19733	0.19418					
	0.19333						AVRG		0.20333		5.86539
85 Phenacetin	0.32402	0.39105	0.36390	0.35746	0.33780	0.33838					
	0.33948						AVRG		0.35030		6.38639
86 Diallate #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
87 Hexachlorobenzene	0.19471	0.22314	0.20771	0.20277	0.19541	0.19198					
	0.19106						AVRG		0.20097		5.70714
88 1,3,5-Trinitrobenzene	0.14960	0.16650	0.17531	0.17773	0.17203	0.17267					
	0.16819						AVRG		0.16886		5.52314
90 Pentachlorophenol	+++++	12581	47362	59489	105098	139870					
	168184						WLINR	0.21515	0.08705		0.99614
91 Pronamide	0.28741	0.34060	0.32028	0.30840	0.28680	0.28179					
	0.27852						AVRG		0.30054		7.74846
92 Pentachloronitrobenzene	0.03618	0.04123	0.03953	0.03854	0.03659	0.03659					
	0.03687						AVRG		0.03793		5.00800
94 Phenanthrene	1.02793	1.16126	1.06126	1.02962	0.95476	0.97329					
	0.96100						AVRG		1.02416		7.08718
95 Anthracene	1.03521	1.19019	1.08296	1.04621	0.96517	0.93129					
	0.91629						AVRG		1.02390		9.38206

%RSD 17.2

441

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
96 Dinoseb	12037	38743	118892	147133	227884	282391					
	325866						WLINR	0.08031	0.17620		0.99781
97 Carbazole	0.90842	1.11129	1.03878	0.98577	0.93486	0.91711					
	0.91033						AVRG		0.97237		7.99778
98 Di-n-Butylphthalate	1.11233	1.29400	1.18077	1.14181	1.07356	1.04102					
	1.02472						AVRG		1.12403		8.27113
101 Isodrin	0.10929	0.12571	0.11736	0.11415	0.10826	0.10681					
	0.10584						AVRG		0.11249		6.34514
102 Fluoranthene	1.14543	1.31005	1.19343	1.13703	1.05626	1.02831					
	1.01157						AVRG		1.12601		9.34402
103 Benzidine	0.43005	0.53519	0.55158	0.59063	0.54068	0.54108					
	0.48968						AVRG		0.52556		9.78990
104 Pyrene	1.33693	1.49581	1.34185	1.29733	1.22321	1.18973					
	1.17981						AVRG		1.29495		8.56370

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
106 4-Dimethylaminoazobenzene	0.31962	0.37920	0.35285	0.34480	0.33110	0.32278					
	0.31865						AVRG		0.33843		6.55635
107 Chlorobenzilate	0.34991	0.39735	0.36628	0.36191	0.34383	0.33680					
	0.33965						AVRG		0.35653		5.91646
109 3,3'-Dimethylbenzidine	0.63823	0.80805	0.76338	0.73361	0.66460	0.62210					
	0.58660						AVRG		0.68808		11.84024
110 Butylbenzylphthalate	0.55917	0.63245	0.56970	0.55816	0.53146	0.51986					
	0.52182						AVRG		0.55609		7.01250
111 2-Acetylaminofluorene	0.44617	0.53611	0.51117	0.50780	0.49110	0.48876					
	0.48775						AVRG		0.49555		5.59005
112 3,3'-Dichlorobenzidine	0.43076	0.49664	0.45179	0.43881	0.40001	0.37949					
	0.36559						AVRG		0.42330		10.68744
113 Benzo(a)anthracene	1.25115	1.37989	1.21856	1.17645	1.08568	1.03867					
	1.01887						AVRG		1.16704		11.07162

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 bis(2-Ethylhexyl)phthalate	0.72961	0.83892	0.77944	0.75097	0.70662	0.67333					
	0.65615						AVRG		0.73358		8.59816
116 Chrysene	1.09845	1.25682	1.14343	1.10986	1.02472	0.97461					
	0.95278						AVRG		1.08010		9.77399
117 Di-n-octylphthalate	1.28079	1.49327	1.39995	1.36008	1.31175	1.23612					
	1.24922						AVRG		1.33302		6.88108
118 7,12-Dimethylbenz(a)anthracen	0.51320	0.63707	0.56697	0.55539	0.51463	0.48082					
	0.48064						AVRG		0.53553		10.40642
119 Benzo(b)fluoranthene	1.41538	1.49927	1.36899	1.29310	1.19689	1.17317					
	+++++						AVRG		1.32446		9.60722
120 Benzo(k)fluoranthene	1.40670	1.61595	1.43205	1.39969	1.34588	1.22167					
	1.15113						AVRG		1.36758		11.04973
121 Benzo(a)pyrene	1.21201	1.35070	1.22965	1.19571	1.13512	1.10283					
	1.09995						AVRG		1.18942		7.41171

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
123 3-MethylCholanthrene	0.54003	0.63095	0.59891	0.57417	0.55555	0.54334					
	0.54347						AVRG		0.55949		6.03535
125 Indeno(1,2,3-cd)pyrene	1.33092	1.48263	1.35059	1.29612	1.22828	1.18387					
	1.18631						AVRG		1.29410		8.23812
126 Dibenz(a,h)anthracene	1.08757	1.21084	1.11633	1.05091	0.99603	0.95299					
	0.95356						AVRG		1.05260		8.95073
127 Benzo(g,h,i)perylene	1.06217	1.21687	1.13106	1.09104	1.03927	0.99907					
	1.00031						AVRG		1.07711		7.21936
M 176 Diallate (total)	0.13033	0.15350	0.14501	0.14317	0.13671	0.13831					
	0.13905						AVRG		0.14087		5.18479
$ 6 2-Fluorophenol	1.32259	1.54475	1.45585	1.41006	1.36784	1.36074					
	1.36926						AVRG		1.40444		5.32426

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 12 Phenol-d5	1.66387	1.87043	1.75468	1.69449	1.65456	1.65335					
	1.65525						AVRG		1.70666		4.74250
$ 82 2,4,6-Tribromophenol	0.07590	0.09072	0.08931	0.08791	0.08581	0.08525					
	0.08459						AVRG		0.08564		5.65083
$ 29 Nitrobenzene-d5	0.36272	0.41934	0.39110	0.38165	0.36708	0.36396					
	0.36564						AVRG		0.37878		5.48762
$ 54 2-Fluorobiphenyl	1.30679	1.48130	1.39167	1.34861	1.29937	1.27495					
	1.26465						AVRG		1.33819		5.73563
$ 105 Terphenyl-d14	0.84946	0.94743	0.84900	0.83993	0.79095	0.76775					
	0.76063						AVRG		0.82931		7.75822

STL Austin

INITIAL CALIBRATION DATA

tart Cal Date : 31-MAY-2007 12:44
nd Cal Date : 31-MAY-2007 19:49
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
ast Edit : 04-Jun-2007 09:20 malloym

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Calibration File Names:
Level 1: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Level 2: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Level 3: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Level 4: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Level 5: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Level 6: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Level 7: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

curve reprocessed for additional compound
m 6-6-7

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
26 N-Nitrosomorpholine	0.83470	0.84247	0.76297	0.79606	0.77803	0.77473					
	0.65734						AVRG		0.77804		7.86930
37 a,a-Dimethylphenethylamine	0.65203	0.73622	0.69820	0.70838	0.68701	0.66463					
	0.52870						AVRG		0.66788		10.08615
71 1-Naphthylamine	1.03785	1.07541	1.09492	1.10645	1.11253	1.10894					
	1.07448						AVRG		1.08722		2.45665
73 2-Naphthylamine	1.02269	1.05193	1.08851	1.12051	1.13146	1.12236					
	1.04537						AVRG		1.08326		4.01554

JG 6-6-07

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 4-Aminobiphenyl	0.71121	0.71190	0.78176	0.79903	0.78024	0.75888					
	0.72132						AVRG		0.75205		4.90235
99 4-Nitroquinoline-1-oxide	776	2596	12113	25119	39451	50174					
	66584						LINR	0.40942	0.03634		0.99019 <-
100 Methapyrilene	52215	94982	182726	254722	320200	355467					
	+++++						QUAD	0.02937	2.17877	3.21209	0.99952
129 2-Ethoxyethanol	0.73688	0.68831	0.65857	0.66293	0.66002	0.66115					
	0.64951						AVRG		0.67391		4.48442
130 N,N-Dimethylformamide	0.88370	0.86548	0.89907	0.92423	0.91540	0.92424					
	0.91118						AVRG		0.90333		2.44123
131 Propyl cellosolve	1.26909	1.31414	1.25972	1.28535	1.26333	1.24723					
	1.22417						AVRG		1.26615		2.24531
132 Acrylamide	0.31420	0.34450	0.34435	0.36632	0.36385	0.36411					
	0.35722						AVRG		0.35065		5.27171

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
136 o,o,o-Triethylphosphorothioat	0.17393	0.18041	0.16566	0.17208	0.17185	0.17011					
	0.16873						AVRG		0.17182		2.69477
142 p-Phenylenediamine	28477	83105	218644	331932	438728	497778					
	568140						QUAD	0.21080	1.67688	1.39074	0.99556
143 1-Methylnaphthalene	0.62777	0.63707	0.60016	0.61380	0.60857	0.60143					
	0.58988						AVRG		0.61124		2.69622
146 Biphenyl	1.41658	1.38940	1.34895	1.33233	1.31397	1.30969					
	1.25633						AVRG		1.33818		3.97968
149 Diphenyl ether	0.77816	0.77174	0.74847	0.74241	0.73703	0.73260					
	0.70494						AVRG		0.74505		3.31277
150 1,4-Dinitrobenzene	0.15864	0.16855	0.17574	0.18159	0.18688	0.18952					
	0.18628						AVRG		0.17817		6.32602
151 Dimethyl terephthalate	0.22081	0.22175	0.21256	0.21278	0.21075	0.21158					
	0.20503						AVRG		0.21361		2.74184

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
153 2,3,5,6-Tetrachlorophenol	14458	30816	79788	136704	189919	232153					
	301322						WLINR	0.11130	0.25607		0.99773
154 Thionazin	0.24192	0.24883	0.24230	0.24459	0.23588	0.23515					
	0.22428						AVRG		0.23899		3.36616
155 Sulfotepp	0.10402	0.11107	0.10321	0.10414	0.10221	0.09662					
	0.09409						AVRG		0.10219		5.41185
156 Phorate	0.38051	0.39725	0.36862	0.37240	0.36076	0.35569					
	0.34958						AVRG		0.36926		4.37245
157 Dimethoate	0.23278	0.24217	0.21058	0.19428	0.17766	0.16638					
	+++++						AVRG		0.20398		14.76019
158 Disulfoton	0.31298	0.33152	0.30852	0.31066	0.30437	0.29534					
	0.28647						AVRG		0.30712		4.63693
159 Methyl parathion	0.18966	0.20658	0.18459	0.17374	0.16247	0.15370					
	0.14333						AVRG		0.17344		12.68068

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1 / 150.0000 Level 7	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
160 Parathion	0.12210	0.13537	0.13101	0.13316	0.12751	0.12515					
	0.12040						AVRG		0.12781		4.40969
161 Aramite #1	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
162 Aramite #2	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
163 Famphur	+++++	+++++	+++++	0.01072	+++++	+++++					
	+++++						AVRG		0.01072		0.000e+000
164 4,4-Methylenebis(2-chloroa	0.09828	0.10400	0.10022	0.09955	0.10030	0.09705					
	0.09614						AVRG		0.09936		2.60197
167 Dibenz(a,j)acridine	0.83799	0.87208	0.84986	0.87043	0.84054	0.84061					
	0.82296						AVRG		0.84778		2.11214
173 1-Methyl-2-pyrrolidone	0.83215	0.83900	0.78429	0.83412	0.83057	0.83246					
	0.82047						AVRG		0.82472		2.26509

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Compound	10.0000 Level 1	20.0000 Level 2	50.0000 Level 3	75.0000 Level 4	100.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7										
M 177 Aramite (total)	0.13456	0.14434	0.14097	0.14012	0.13810	0.13565					
	0.13071						AVRG		0.13778		3.29461

453

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 31-MAY-2007 19:49
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Last Edit : 06-Jun-2007 09:03 MSN1.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7E240144	
I7E250235	
I7E250244	

Method Name/Type: M8270c

Instrument ID: MSN1

Analysis Date: 5/31/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits	✓			✓
Quantified against appropriate standard (see note)	✓			✓
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			✓
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits			✓	NA
MS/MSD spike % recoveries within limits		✓		
MS/MSD/DUPs RPD within limits		✓		
Other				
All nonconformances included and noted	✓			✓
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			✓
Manual integration checked by 2nd reviewer check	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

matrix effect caused probable failure of MS/MSD

Analyst: Mark Malloy *MMalloy* Date: 06/04/07

2nd Review: *Jenai Davis* Date: 6-5-07

STL AUSTIN

INSTRUMENT GCMS-N1 (MSD4)
SHIFT (Circle) 1 2 3
COMPUTER CLOCK DATE / TIME:

ANALYST / DATE: Mark Malloy 6-4-7
METHOD / TEST: M8270C
SOP #: AWS MS 0005

DAILY CHECK ✓	INSERT CHANGED ✓	SEPTA CHANGED	COLUMN CHANGED	AUTOSAMPLER MAINT.
M. PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.U
Elect Mult. 1471 volts
Tuning Performance (circle one):
DFTPP Autotune Other

Sampling Rate 2^M 1
Scan Range 35-500 amu
Interface (circle one):
Direct Jet Separator Other

GC PROGRAM:

GC Meth. MS 3107M
Inj. Temp: 270 C
Carrier Gas: Helium
Flow/Pressure 3.45 psi 15

Initial Temp. 50 C
Init.Hold 2.75 min
Ramp 15 C/min
Final Temp. 370 C

Final Hold 3.66 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MSD #762
Phases/Loadings: MTX MS #5
(Circle one) Packed Capillary
i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless purge

INSTRUMENT SEQUENCE:

```
Sequence Name: D:\MSNI.I\SEQUENCE\N053107.S
      Comment:
     Operator: malloym
    Data Path: D:\MSNI.I\N053107.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run        On A Barcode Mismatch
 (X) Full Method               (X) Inject Anyway
 ( ) Reprocessing Only         ( ) Don't Inject

Line Type   Vial DataFile Method   Sample Name
-----------------------------------------------
  1 Sample   1 N053101 NDFTPP      DFTPP;DFTPP;;SMTuneSTK_0001
  2 Sample   2 N053102 Ccalib_4;HSL_075;;2;4;3;;;; S
  3 Sample   3 N053103 Icalib_1;HSL_010;;1;1;3;;;; 0
  4 Sample   4 N053104 Icalib_2;HSL_020;;1;2;3;;;; 0
  5 Sample   5 N053105 Icalib_3;HSL_050;;1;3;3;;;; 0
  6 Sample   6 N053106 Icalib_4;HSL_075;;1;4;3;;;; 0
  7 Sample   7 N053107 Icalib_5;HSL_100;;1;5;3;;;; 0
  8 Sample   8 N053108 Icalib_6;HSL_120;;1;6;3;;;; 0
  9 Sample   9 N053109 Icalib_7;HSL_150;;1;7;3;;;; 0
 10 Sample  10 N053110 SSV_1;HSL_75;;0;0;3;;;; 06MSS
 11 Sample  11 N053111 Icalib_1;APPIX_010;;1;1;3;;;;
 12 Sample  12 N053112 Icalib_2;APPIX_020;;1;2;3;;;;
 13 Sample  13 N053113 Icalib_3;APPIX_050;;1;3;3;;;;
 14 Sample  14 N053114 Icalib_4;APPIX_075;;1;4;3;;;;
 15 Sample  15 N053115 Icalib_5;APPIX_100;;1;5;3;;;;
 16 Sample  16 N053116 Icalib_6;APPIX_120;;1;6;3;;;;
 17 Sample  17 N053117 Icalib_7;APPIX_150;;1;7;3;;;;
 18 Sample  18 N053118 SSV_2;APPIX_075;;0;3;3;;;; SM
 19 Sample  19 N053119 SSV_3;APPIX_075;;0;3;3;;;; SM
 20 Sample  20 N053120 NDFTPP     DFTPP;DFTPP;;SMTuneSTK_0001
 21 Sample  21 N053121 Ccalib_4;HSL_075;;2;4;3;;;; S
 22 Sample  22 N053122 Ccalib_4;APPIX_075;;2;4;3;;;;
 23 Sample  23 N053123 JXM881AAB;I7E240000-466;1;0;;
 24 Sample  24 N053124 JXLRN2AA;I7E240144-07;100;0;;
 25 Sample  25 N053125 JXLR02AA;I7E240144-08;10;0;;1
 26 Sample  26 N053126 JXLR22AA;I7E240144-10;50;0;;1
 27 Sample  27 N053127 JXQXL1AA;I7E250244-07;1;0;;1
 28 Sample  28 N053128 JXQXL1AAS;I7E250244-07S;1;0;;
 29 Sample  29 N053129 JXQXL1AUD;I7E250244-07D;1;0;;
 30 Sample  30 N053130 JXQRN1AA;I7E250235-02;1;0;;1
 31 Sample  31 N053131 JXQRX1AA;I7E250235-06;1;0;;1
 32 Sample  32 N053132 JXQR1AA;I7E250235-07;1;0;;1
 33 Sample  33 N053133 JXQR4AA;I7E250235-08;1;0;;1
 34 Sample  34 N053134 JXW4K1AA;I7E250242-03;1;0;;1
 35 Sample  35 N053135 JXQT5AA;I7E250244-01;1;0;;1
 36 Sample  36 N053136 JXQVH1AA;I7E250244-02;1;0;;1
 37 Sample  37 N053137 JXQVN1AA;I7E250244-03;1;0;;1
 38 Sample  38 N053138 JXQVT1AA;I7E250244-04;1;0;;1
 39 Sample  39 N053139 JXQVV1AA;I7E250244-05;1;0;;1
 40 Sample  40 N053140 JXQW4AA;I7E250244-06;1;0;;1
 41 Sample  41 N053141 JXQX1AA;I7E250244-08;1;0;;1
 42 Sample  42 N053142 JXQXL2AA;I7E250244-07;50;0;;1
 43
```

MM 6-4-7

Sequence Name: D:\MSN1.I\SEQUENCE\N053107.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N053107.B\
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 Tune	1	N053101	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N053102	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N053103	N053107M	Icalib_1;HSL_010;;1;1;3;;;; 0
4	Sample	4	N053104	N053107M	Icalib_2;HSL_020;;1;2;3;;;; 0
5	Sample	5	N053105	N053107M	Icalib_3;HSL_050;;1;3;3;;;; 0
6	Sample	6	N053106	N053107M	Icalib_4;HSL_075;;1;4;3;;;; 0
7	Sample	7	N053107	N053107M	Icalib_5;HSL_100;;1;5;3;;;; 0
8	Sample	8	N053108	N053107M	Icalib_6;HSL_120;;1;6;3;;;; 0
9	Sample	9	N053109	N053107M	Icalib_7;HSL_150;;1;7;3;;;; 0
10	Sample	10	N053110	N053107M	SSV_1;HSL_75;;0;0;3;;;; 06MSS
11	Sample	11	N053111	N053107M	Icalib_1;APPIX_010;;1;1;3;;;;
12	Sample	12	N053112	N053107M	Icalib_2;APPIX_020;;1;2;3;;;;
13	Sample	13	N053113	N053107M	Icalib_3;APPIX_050;;1;3;3;;;;
14	Sample	14	N053114	N053107M	Icalib_4;APPIX_075;;1;4;3;;;;
15	Sample	15	N053115	N053107M	Icalib_5;APPIX_100;;1;5;3;;;;
16	Sample	16	N053116	N053107M	Icalib_6;APPIX_120;;1;6;3;;;;
17	Sample	17	N053117	N053107M	Icalib_7;APPIX_150;;1;7;3;;;;
18	Sample	18	N053118	N053107M	SSV_2;APPIX_075;;0;3;3;;;; SM
19	Sample	19	N053119	N053107M	SSV_3;APPIX_075;;0;3;3;;;; SM
20	Sample	20	N053120	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
21	Sample	21	N053121	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
22	Sample	22	N053122	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
23	Sample	23	N053123	N053107M	JXM881AAB;I7E240000-466;1;0;;
24	Sample	24	N053124	N053107M	JXLRN2AA;I7E240144-07;100;0;;
25	Sample	25	N053125	N053107M	JXLR02AA;I7E240144-08;10;0;;1
26	Sample	26	N053126	N053107M	JXLR22AA;I7E240144-10;50;0;;1
27	Sample	27	N053127	N053107M	JXQXL1AA;I7E250244-07;1;0;;1;
28	Sample	28	N053128	N053107M	JXQXL1AKS;I7E250244-07S;1;0;;
29	Sample	29	N053129	N053107M	JXQXL1ALD;I7E250244-07D;1;0;;
30	Sample	30	N053130	N053107M	JXQRN1AA;I7E250235-02;1;0;;1;
31	Sample	31	N053131	N053107M	JXQRX1AA;I7E250235-06;1;0;;1;
32	Sample	32	N053132	N053107M	JXQR11AA;I7E250235-07;1;0;;1;
33	Sample	33	N053133	N053107M	JXQR41AA;I7E250235-08;1;0;;1;
34	Sample	34	N053134	N053107M	JXW4K1AA;I7E250242-03;1;0;;1;
35	Sample	35	N053135	N053107M	JXQT51AA;I7E250244-01;1;0;;1;
36	Sample	36	N053136	N053107M	JXQVH1AA;I7E250244-02;1;0;;1;
37	Sample	37	N053137	N053107M	JXQVN1AA;I7E250244-03;1;0;;1;
38	Sample	38	N053138	N053107M	JXQVT1AA;I7E250244-04;1;0;;1;
39	Sample	39	N053139	N053107M	JXQVV1AA;I7E250244-05;1;0;;1;
40	Sample	40	N053140	N053107M	JXQW41AA;I7E250244-06;1;0;;1;
41	Sample	41	N053141	N053107M	JXQX11AA;I7E250244-08;1;0;;1;
42	Sample	42	N053142	N053107M	JXQXL2AA;I7E250244-07;50;0;;1
43					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

1st shift

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N053107.B

Lab File ID: N053101 DFTPP Injection Date: 05/31/07

Instrument ID: MSN1 DFTPP Injection Time: 1129

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.0
70	Less than 2.0% of mass 69	0.1 (0.4)1
127	40.0 - 60.0% of mass 198	50.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	27.1
365	Greater than 1.0% of mass 198	2.83
441	Present, but less than mass 443	11.1
442	Greater than 40.0% of mass 198	77.1
443	17.0 - 23.0% of mass 442	15.1 (19.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N053102	05/31/07	1148
02	HSL_010	ICALIB_1	N053103	05/31/07	1244
03	HSL_020	ICALIB_2	N053104	05/31/07	1314
04	HSL_050	ICALIB_3	N053105	05/31/07	1344
05	HSL_075	ICALIB_4	N053106	05/31/07	1418
06	HSL_100	ICALIB_5	N053107	05/31/07	1448
07	HSL_120	ICALIB_6	N053108	05/31/07	1518
08	HSL_150	ICALIB_7	N053109	05/31/07	1548
09	APPIX_010	ICALIB_1	N053111	05/31/07	1648
10	APPIX_020	ICALIB_2	N053112	05/31/07	1718
11	APPIX_050	ICALIB_3	N053113	05/31/07	1749
12	APPIX_075	ICALIB_4	N053114	05/31/07	1819
13	APPIX_100	ICALIB_5	N053115	05/31/07	1849
14	APPIX_120	ICALIB_6	N053116	05/31/07	1919
15	APPIX_150	ICALIB_7	N053117	05/31/07	1949
16					
17					
18					
19					
20					
21					
22					

FORM V SV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D Page 1
Report Date: 31-May-2007 13:59

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 31-MAY-2007 11:29
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.602	7.803	-0.201	198	266176			0.00- 100.00	100.00
7.602	8.311	-0.709	51	101672			30.00- 60.00	38.20
7.602	8.311	-0.709	68	0	0.0	0.0	0.00- 2.00	0.00
7.602	8.311	-0.709	69	109192			0.00- 0.00	41.02
7.602	8.311	-0.709	70	388			0.00- 2.00	0.36
7.602	8.311	-0.709	127	134528			40.00- 60.00	50.54
7.602	8.311	-0.709	197	0	0.0	0.0	0.00- 1.00	0.00
7.602	8.311	-0.709	199	18208			5.00- 9.00	6.84
7.602	8.311	-0.709	275	72224			10.00- 30.00	27.13
7.602	8.311	-0.709	365	7528			1.00- 0.00	2.83
7.602	8.311	-0.709	441	29624			0.01- 99.99	73.75
7.602	8.311	-0.709	442	205184			40.00- 0.00	77.09
7.602	8.311	-0.709	443	40168			17.00- 23.00	19.58

6-1-07

JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.B

Date : 31-MAY-2007 11:29

Client ID: DFTPP

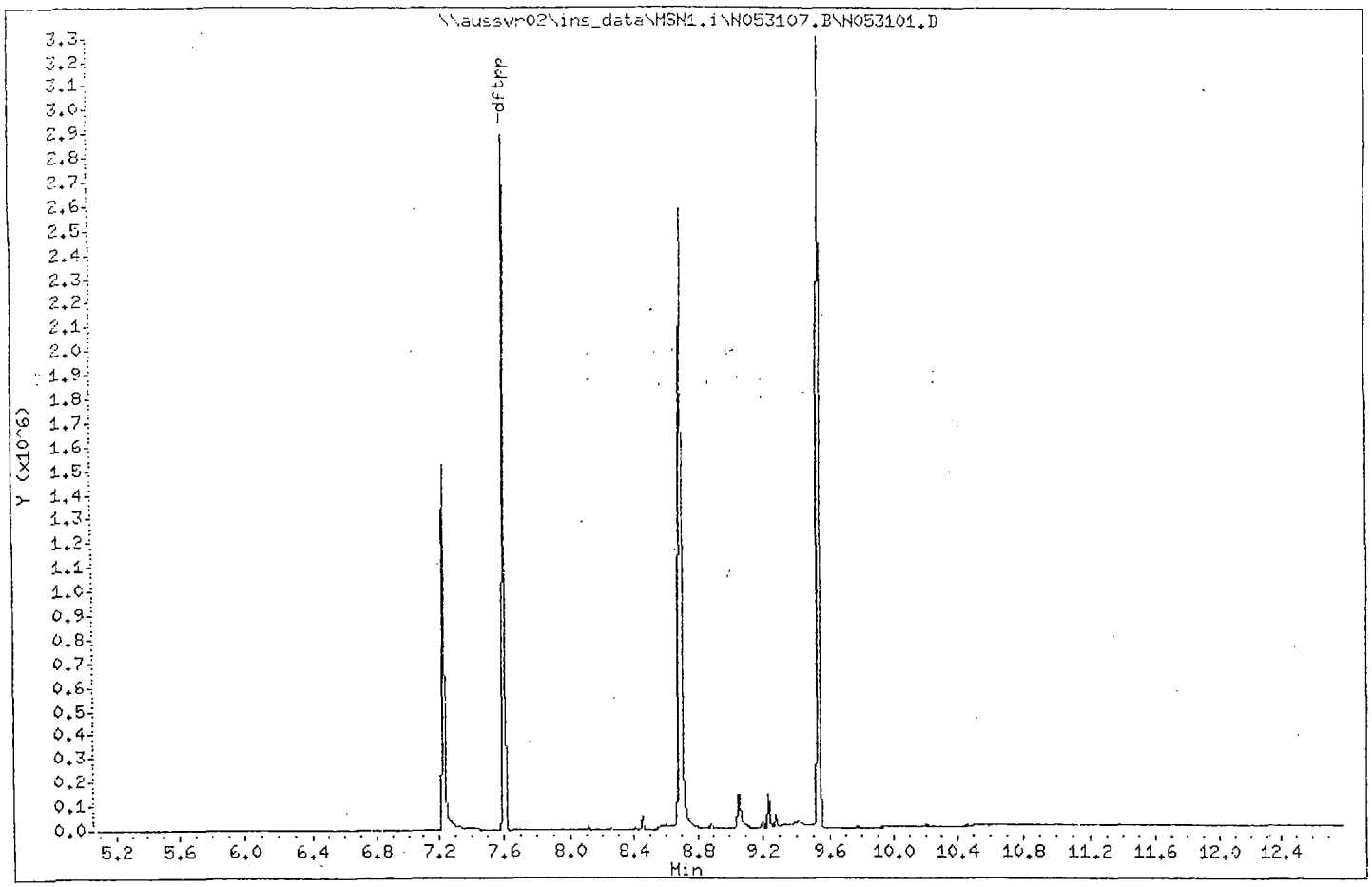
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ms_data\MSN1.i\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

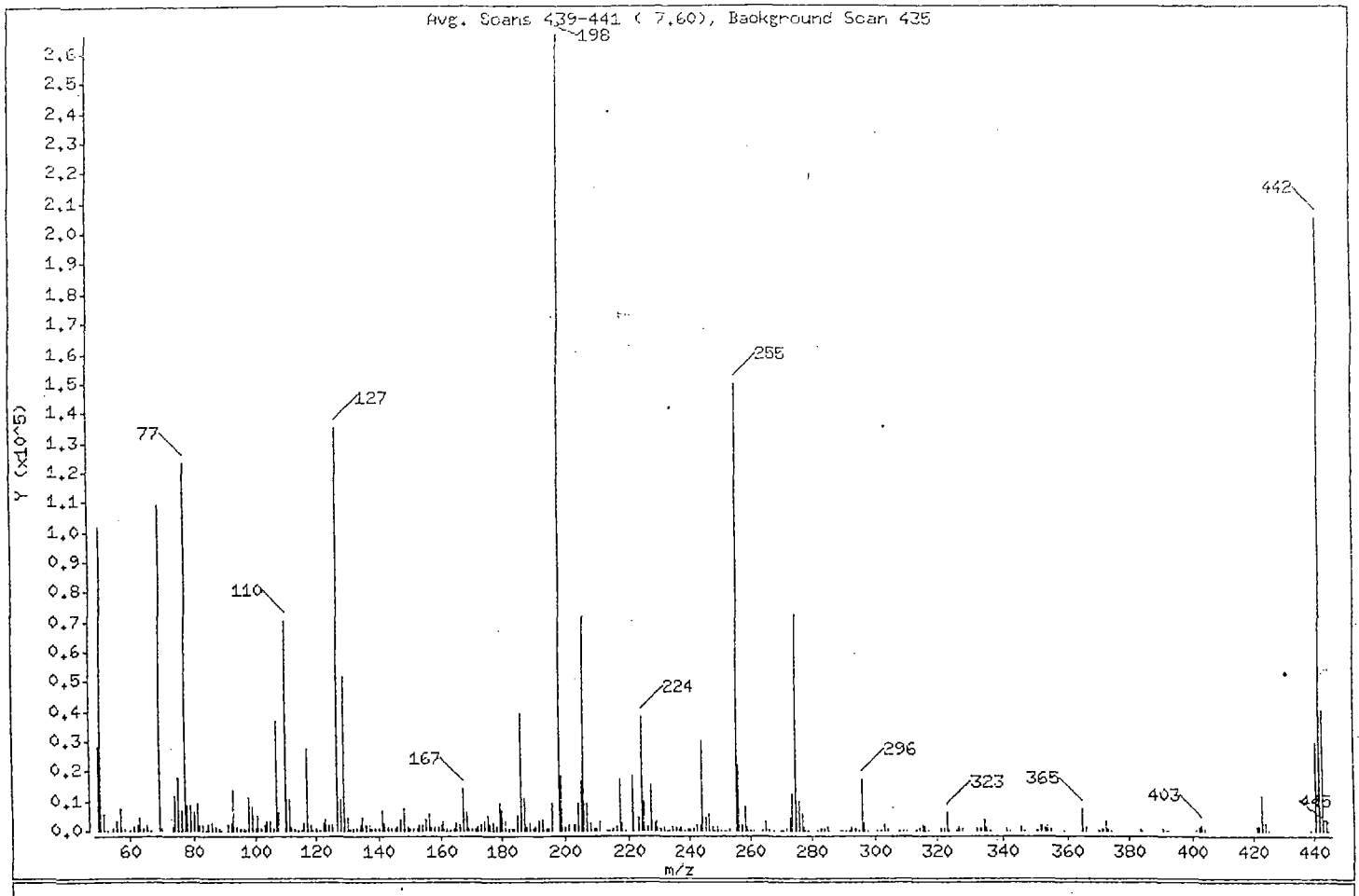
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.20
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.02
70	Less than 2.00% of mass 69	0.15 (0.36)
127	40.00 - 60.00% of mass 198	50.54
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	27.13
365	Greater than 1.00% of mass 198	2.83
441	Present, but less than mass 443	11.13
442	Greater than 40.00% of mass 198	77.09
443	17.00 - 23.00% of mass 442	15.09 (19.58)

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N053101.D

Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27928	131.00	842	205.00	16456	289.00	203
51.00	101672	132.00	545	206.00	71656	290.00	143
52.00	5370	133.00	373	207.00	9128	291.00	104
53.00	227	134.00	1632	208.00	2393	292.00	208
55.00	626	135.00	4162	209.00	775	293.00	1313
56.00	3304	136.00	1634	210.00	689	294.00	341
57.00	7179	137.00	2117	211.00	2961	295.00	260
58.00	330	138.00	481	213.00	141	296.00	17208
60.00	110	139.00	330	214.00	53	297.00	2603
61.00	1386	140.00	686	215.00	807	298.00	138
62.00	1630	141.00	6578	216.00	1456	301.00	270
63.00	4401	142.00	2255	217.00	17184	302.00	301
64.00	649	143.00	1519	218.00	2316	303.00	2063
65.00	2135	144.00	426	219.00	214	304.00	599
66.00	175	145.00	368	221.00	18112	308.00	278
69.00	109192	146.00	1290	223.00	4031	309.00	140
70.00	388	147.00	3423	224.00	38072	310.00	229
73.00	1057	148.00	7171	225.00	9756	313.00	121
74.00	11632	149.00	1467	226.00	1059	314.00	892
75.00	17792	150.00	367	227.00	15275	315.00	1999
76.00	6921	151.00	900	228.00	2252	316.00	1158
77.00	123280	152.00	397	229.00	3253	317.00	159
78.00	8609	153.00	2100	230.00	514	321.00	608
79.00	8578	154.00	1597	231.00	1402	322.00	328
80.00	6416	155.00	3662	232.00	286	323.00	5957
81.00	8897	156.00	5599	233.00	292	324.00	1026
82.00	2109	157.00	1168	234.00	945	326.00	64
83.00	2043	158.00	1347	235.00	1116	327.00	1045
84.00	262	159.00	949	236.00	780	328.00	555
85.00	1622	160.00	2055	237.00	1209	332.00	412
86.00	2596	161.00	3012	238.00	154	333.00	607
87.00	1237	162.00	852	239.00	655	334.00	3695
88.00	439	163.00	295	240.00	463	335.00	1015
89.00	247	164.00	405	241.00	868	336.00	52
91.00	2096	165.00	2473	242.00	1909	341.00	610

Data File: \\aussvr02\ms_data\MSN1.1\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.1

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N053101.D

Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	2376	166.00	2126	243.00	2057	342.00	163
93.00	13631	167.00	13782	244.00	29912	346.00	1206
94.00	964	168.00	5919	245.00	4045	347.00	177
95.00	336	169.00	1050	246.00	5620	351.00	62
96.00	733	170.00	515	247.00	1125	352.00	1674
97.00	122	171.00	667	248.00	278	353.00	1323
98.00	10762	172.00	1259	249.00	1045	354.00	1953
99.00	8226	173.00	1541	250.00	187	355.00	372
100.00	818	174.00	2852	251.00	261	359.00	119
101.00	4822	175.00	5059	252.00	265	365.00	7528
102.00	319	176.00	1652	253.00	709	366.00	1082
103.00	1767	177.00	2624	255.00	149056	370.00	154
104.00	3347	178.00	931	256.00	21896	371.00	405
105.00	3015	179.00	9445	257.00	1811	372.00	3086
106.00	336	180.00	6471	258.00	8148	373.00	816
107.00	36952	181.00	2999	259.00	1336	374.00	66
108.00	5896	182.00	530	260.00	253	383.00	806
110.00	70440	183.00	330	261.00	235	384.00	178
111.00	10581	184.00	840	264.00	213	390.00	405
112.00	1281	185.00	4784	265.00	3270	391.00	264
113.00	411	186.00	39072	266.00	409	392.00	198
114.00	59	187.00	11034	268.00	16	401.00	149
115.00	245	188.00	1135	270.00	220	402.00	1144
116.00	2397	189.00	2406	271.00	296	403.00	1733
117.00	27296	190.00	407	272.00	379	404.00	615
118.00	2113	191.00	1101	273.00	4291	421.00	1440
119.00	297	192.00	3006	274.00	12222	422.00	1483
120.00	506	193.00	3430	275.00	72224	423.00	11877
121.00	151	194.00	710	276.00	9521	424.00	2284
122.00	2751	195.00	633	277.00	5668	425.00	214
123.00	3910	196.00	9353	278.00	961	439.00	220
124.00	1789	198.00	266176	279.00	152	441.00	29624
125.00	1631	199.00	18208	282.00	50	442.00	205184
127.00	134528	200.00	1510	283.00	622	443.00	40168
128.00	10588	201.00	1668	284.00	408	444.00	3865

Data File: \\aussvr02\ms_data\MSN1.i\N053107.B\N053101.D

Date : 31-MAY-2007 11:29

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallogm

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N053101.D

Spectrum: Avg. Scans 439-441 (7.60), Background Scan 435

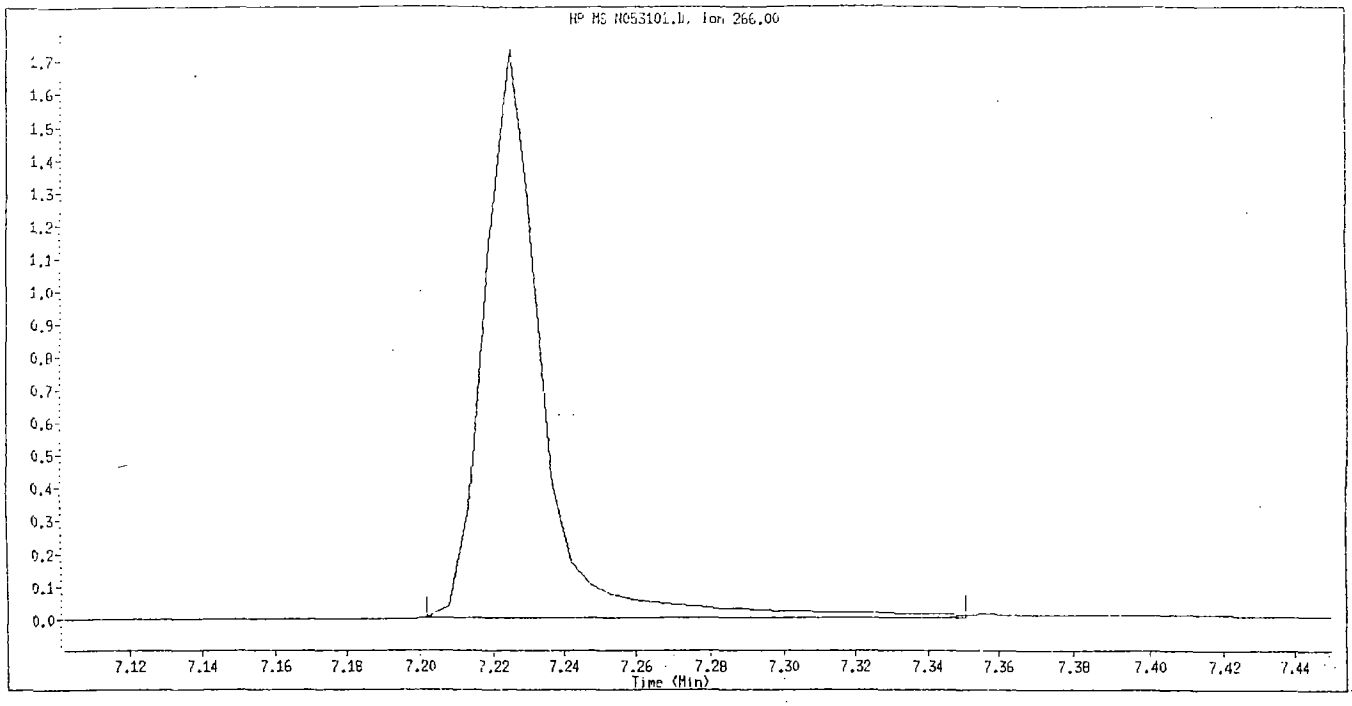
Location of Maximum: 198.00

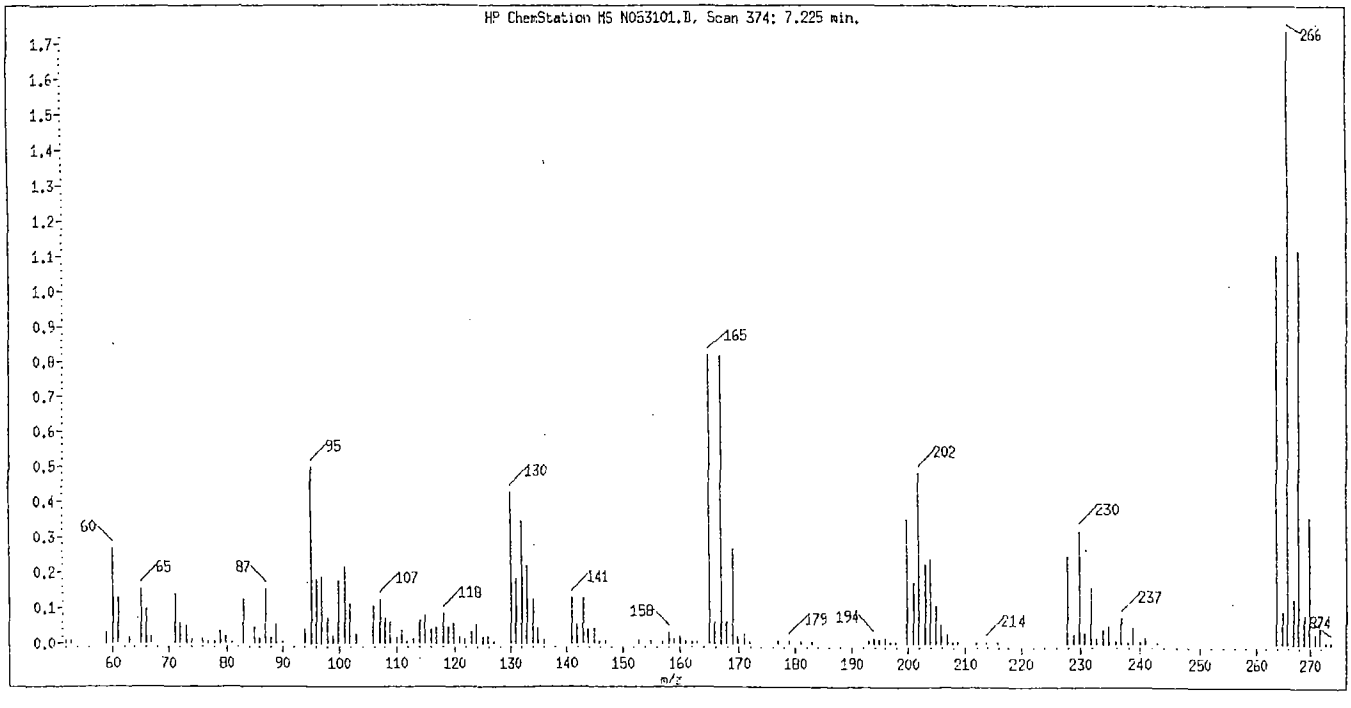
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	51472	203.00	1959	285.00	954	445.00	185
130.00	4424	204.00	9419	286.00	149		

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 05/31/2007

TAILING FACTOR

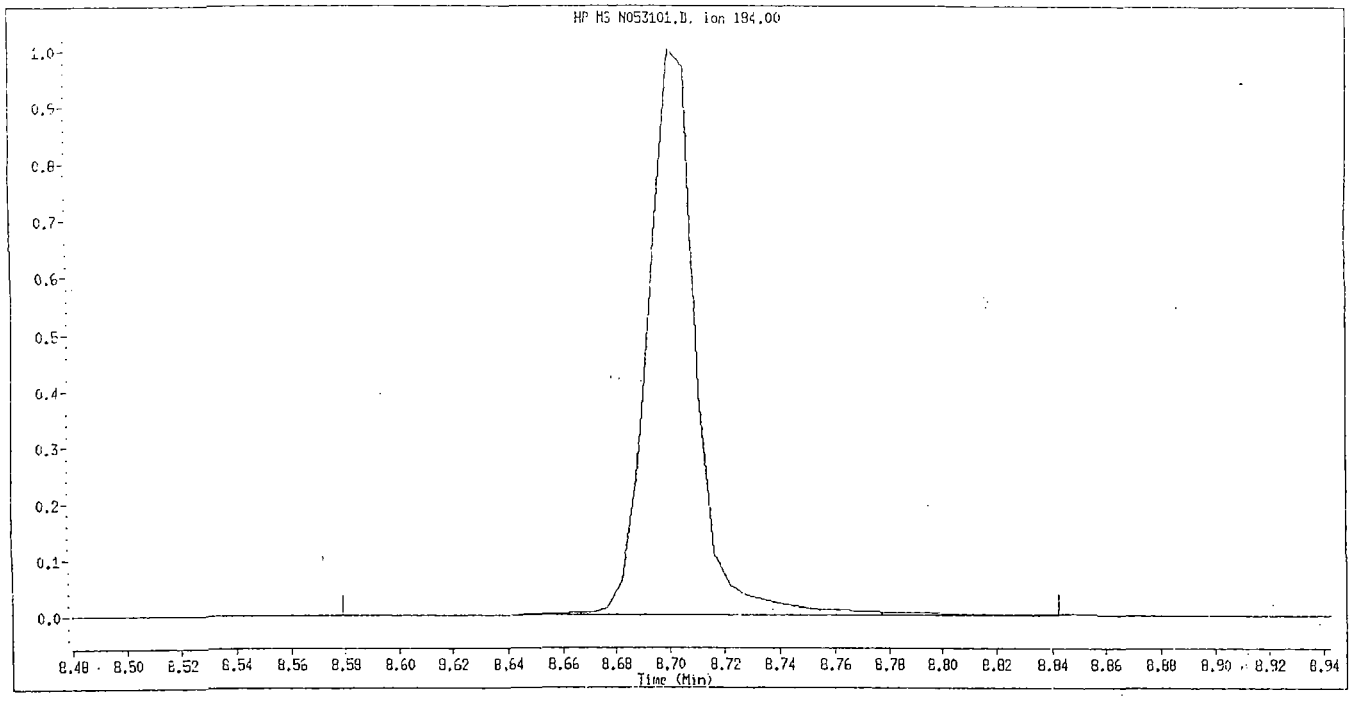


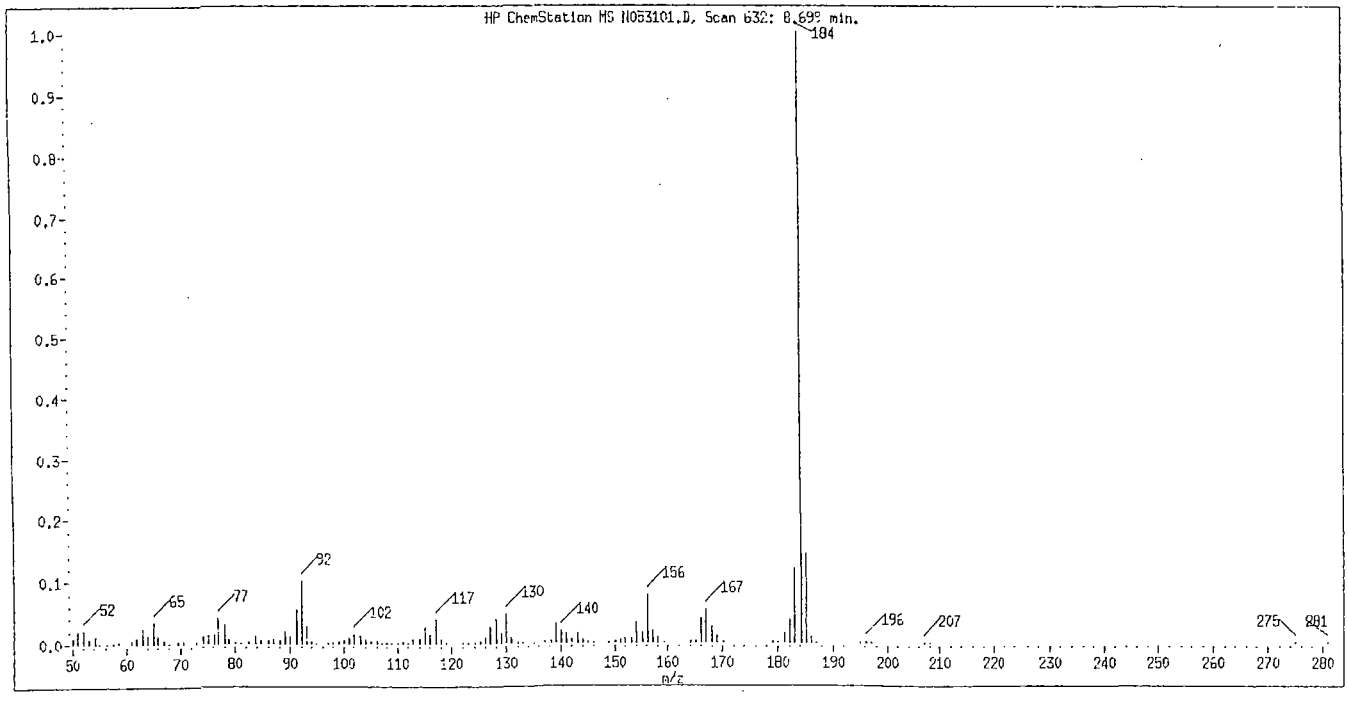


Tailing Factor = 1.18 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.21026 T2 = 7.224783 T3 = 7.241894

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 05/31/2007

TAILING FACTOR

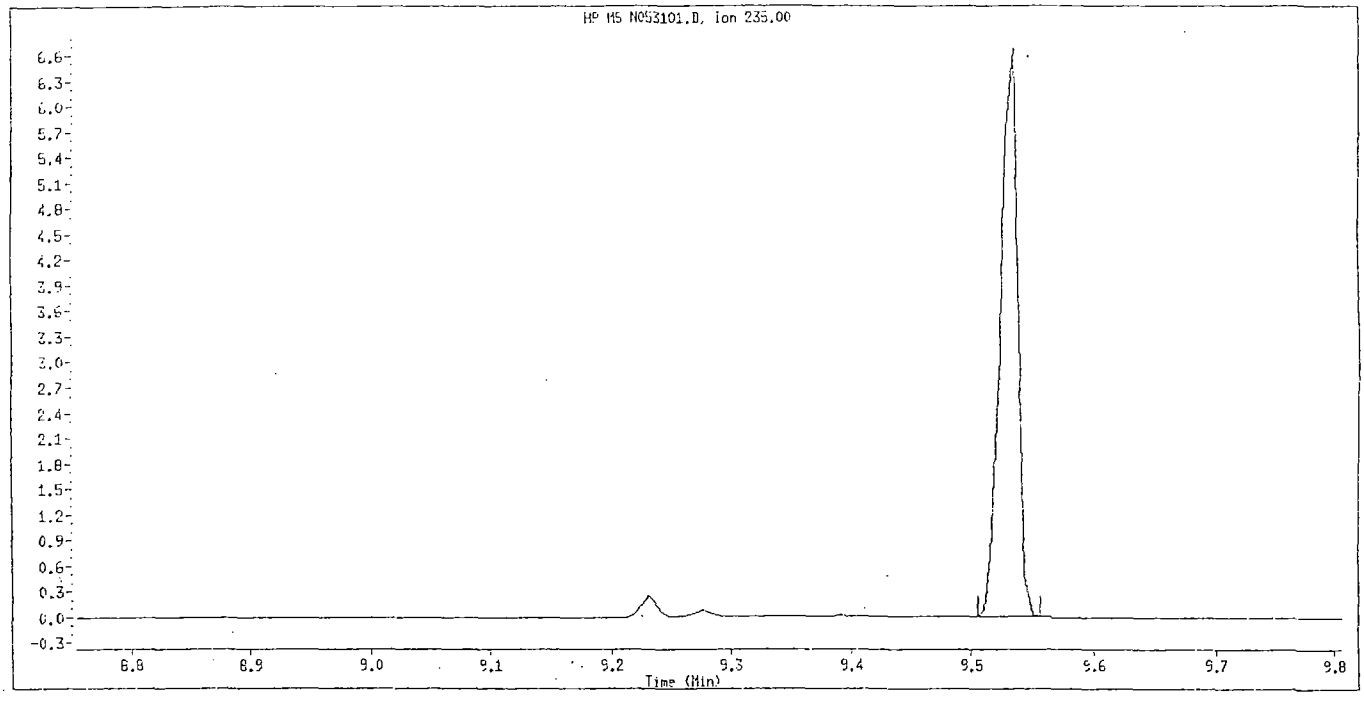




Tailing Factor = 1.15 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.683475 T2 = 8.699383 T3 = 8.717636

Data File: N053101.D
Inj Date: 31-MAY-2007 11:29
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 05/31/2007

DEGRADATION REPORT



Degradation = 4.55% Good
Acceptance Criteria 0 - 20 %
DDT Area = 673545
DDE Area = 23938
DDD Area = 8167

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 1
Report Date: 31-May-2007 14:02

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D
Lab Smp Id: Icalib_1 Client Smp ID: HSL_010
Inj Date : 31-MAY-2007 12:44
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;HSL_010;;1;1;3;;;; 06MSSV440
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N051507M.M
Meth Date : 31-May-2007 13:59 malloym Quant Type: ISTD
Cal Date : 17-MAY-2007 14:06 Cal File: N051709.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.262	7.265	(1.000)	135309	40.0000		REV
* 40 Naphthalene-d8	136	9.248	9.256	(1.000)	510016	40.0000		REV
* 64 Acenaphthene-d10	164	12.053	12.056	(1.000)	278734	40.0000		REV
* 93 Phenanthrene-d10	188	14.400	14.408	(1.000)	477850	40.0000		REV
* 114 Chrysene-d12	240	18.652	18.660	(1.000)	420782	40.0000		REV
* 122 Perylene-d12	264	20.794	20.802	(1.000)	372282	40.0000		REV
$ 6 2-Fluorophenol	112	5.406	5.414	(0.744)	89479	20.0000	19.423	REV
$ 12 Phenol-d5	99	6.836	6.855	(0.941)	112568	20.0000	20.434	REV
$ 82 2,4,6-Tribromophenol	330	13.338	13.345	(0.926)	18135	20.0000	15.789	REV
$ 29 Nitrobenzene-d5	82	8.174	8.187	(0.884)	46248	10.0000	9.8552	REV
$ 54 2-Fluorobiphenyl	172	10.980	10.987	(0.911)	91062	10.0000	9.6585	REV
$ 105 Terphenyl-d14	244	16.963	16.966	(0.909)	89359	10.0000	10.424	REV
1 Pyridine	79	3.135	3.116	(0.432)	45254	10.0000	9.7834	REV
2 N-Nitrosodimethylamine	74	3.145	3.159	(0.433)	26472	10.0000	10.213	REV
3 2-Picoline	93	4.419	4.405	(0.608)	51606	10.0000	9.7337	REV
4 N-Nitrosomethylethylamine	88	4.678	4.675	(0.644)	23498	10.0000	9.7402	REV
5 Methyl methanesulfonate	80	5.180	5.198	(0.713)	26834	10.0000	10.544	REV
7 N-Nitrosodiethylamine	102	5.757	5.765	(0.793)	22151	10.0000	9.4504	REV
8 Ethyl methanesulfonate	79	6.237	6.245	(0.859)	33900	10.0000	10.231	REV
9 Pentachloroethane	117	6.825	6.828	(0.940)	15981	10.0000	10.168	REV
10 Aniline	93	6.847	6.849	(0.943)	70176	10.0000	10.126	REV
11 bis(2-Chloroethyl)ether	93	6.922	6.936	(0.953)	45772	10.0000	9.8919	REV
13 Phenol	94	6.858	6.871	(0.944)	64494	10.0000	10.198	REV
14 2-Chlorophenol	128	7.014	7.022	(0.966)	49041	10.0000	9.8371	REV
15 1,3-Dichlorobenzene	146	7.203	7.211	(0.992)	52682	10.0000	9.7618	REV
16 1,4-Dichlorobenzene	146	7.284	7.292	(1.003)	54829	10.0000	10.102	REV
18 1,2-Dichlorobenzene	146	7.575	7.578	(1.043)	50590	10.0000	9.9123	REV
19 Benzyl Alcohol	108	7.532	7.540	(1.037)	28933	10.0000	9.6207	REV
20 bis(2-Chloroisopropyl)ether	45	7.748	7.750	(1.067)	56070	10.0000	12.006	REV
21 2-Methylphenol	108	7.748	7.756	(1.067)	42892	10.0000	9.9860	REV
22 Acetophenone	105	7.937	7.944	(1.093)	62012	10.0000	9.9253	REV
23 N-Nitroso-di-n-propylamine	70	7.969	7.993	(1.097)	33282	10.0000	10.313	REV
24 N-Nitrosopyrrolidine	100	7.947	7.977	(1.094)	21972	10.0000	9.7929	REV

6-1-07

6-1-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 2
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.974	7.993	(1.098)	93420	20.0000	21.479	REV
27 o-Toluidine	106	8.001	8.020	(1.102)	70589	10.0000	9.9920(Q)	REV
28 Hexachloroethane	117	8.034	8.042	(1.106)	19260	10.0000	10.013	REV
30 Nitrobenzene	77	8.201	8.214	(0.887)	49067	10.0000	10.173	REV
31 N-Nitrosopiperidine	114	8.438	8.457	(0.912)	21263	10.0000	9.3644	REV
32 Isophorone	82	8.552	8.565	(0.925)	83107	10.0000	9.8801	REV
33 2-Nitrophenol	139	8.703	8.705	(0.941)	22351	10.0000	8.6898	REV
34 2,4-Dimethyphenol	107	8.778	8.786	(0.949)	46739	10.0000	9.7073	REV
35 Bis(2-chloroethoxy)methane	93	8.908	8.916	(0.963)	47459	10.0000	9.7615	REV
36 2,4-Dichlorophenol	162	9.081	9.083	(0.982)	34618	10.0000	9.1744	REV
38 1,2,4-Trichlorobenzene	180	9.183	9.191	(0.993)	40365	10.0000	9.4328	REV
39 Benzoic Acid	122	8.994	9.034	(0.973)	2349	10.0000	10.483(Q)	REV
41 Naphthalene	128	9.280	9.288	(1.003)	134206	10.0000	10.026	REV
42 4-Chloroaniline	127	9.420	9.428	(1.019)	52548	10.0000	9.5409	REV
43 2,6-Dichlorophenol	162	9.426	9.434	(1.019)	35362	10.0000	9.3863	REV
44 Hexachloropropene	213	9.464	9.466	(1.023)	20987	10.0000	8.5634	REV
45 Hexachlorobutadiene	225	9.555	9.558	(1.033)	24288	10.0000	9.3495	REV
46 N-Nitroso-di-n-butylamine	84	9.960	9.968	(1.077)	27823	10.0000	9.6690	REV
47 4-Chloro-3-Methylphenol	107	10.214	10.216	(1.104)	37232	10.0000	9.2819	REV
48 Safrole	162	10.246	10.248	(1.108)	32293	10.0000	9.1060	REV
49 2-Methylnaphthalene	142	10.365	10.372	(1.121)	84882	10.0000	9.5993	REV
50 Hexachlorocyclopentadiene	237	10.726	10.723	(0.890)	299	10.0000	15.078(QM)	NOID
51 1,2,4,5-Tetrachlorobenzene	216	10.699	10.702	(0.888)	38251	10.0000	9.2919	REV
52 2,4,6-Trichlorophenol	196	10.883	10.885	(0.903)	21122	10.0000	8.3453	REV
53 2,4,5-Trichlorphenol	196	10.964	10.961	(0.910)	22862	10.0000	8.4277	REV
55 2-Chloronaphthalene	127	11.142	11.144	(0.924)	30762	10.0000	9.7718	REV
56 Isosafrole	162	11.061	11.068	(0.918)	32238	10.0000	9.5615	REV
57 2-Nitroaniline	65	11.384	11.398	(0.944)	22352	10.0000	9.7057	REV
58 1,4-Naphthoquinone	158	11.455	11.462	(0.950)	25651	10.0000	8.6995	REV
59 Dimethylphthalate	163	11.703	11.716	(0.971)	85463	10.0000	9.4842	REV
60 2,6-Dinitrotoluene	165	11.827	11.840	(0.981)	19886	10.0000	9.4598	REV
61 1,3-Dinitrobenzene	168	11.762	11.770	(0.976)	13147	10.0000	8.1116	REV
62 Acenaphthylene	152	11.811	11.818	(0.980)	128810	10.0000	10.034	REV
63 3-Nitroaniline	138	12.053	12.067	(1.000)	21020	10.0000	9.1817	REV
65 Acenaphthene	153	12.102	12.110	(1.004)	77525	10.0000	9.9118	REV
66 2,4-Dinitrophenol	184	12.248	12.239	(1.016)	1641	10.0000	15.110	REV
67 Dibenzofuran	168	12.356	12.363	(1.025)	109241	10.0000	9.9915	REV
68 4-Nitrophenol	109	12.404	12.401	(1.029)	8238	10.0000	13.619	REV
69 Pentachlorobenzene	250	12.393	12.401	(1.028)	31500	10.0000	9.1105	REV
70 2,4-Dinitrotoluene	165	12.453	12.471	(1.033)	24229	10.0000	8.5131	REV
72 2,3,4,6-tetrachlorophenol	232	12.647	12.655	(1.049)	14975	10.0000	6.9081	REV
74 Diethylphthalate	149	12.820	12.838	(1.064)	81313	10.0000	9.2152	REV
75 4-Chlorophenyl-phenylether	204	12.900	12.908	(1.070)	43218	10.0000	9.4786	REV
76 Fluorene	166	12.906	12.914	(1.071)	85076	10.0000	9.7534	REV
77 5-Nitro-o-toluidine	152	13.003	13.027	(1.079)	23477	10.0000	8.7183	REV
78 4,6-Dinitro-2-methylphenol	198	13.100	13.124	(0.910)	8895	10.0000	7.4158(Q)	REV
79 4-Nitroaniline	138	13.035	13.070	(1.081)	20288	10.0000	9.1254	REV
80 N-Nitrosodiphenylamine/DPA	169	13.116	13.135	(1.088)	76026	10.0000	9.4456	REV
81 Azobenzene	77	13.154	13.162	(0.913)	82660	10.0000	10.802	REV
83 Diallate #1	234	13.618	13.620	(0.946)	12540	10.0000		REV
84 4-Bromophenyl-phenylether	248	13.677	13.680	(0.950)	23845	10.0000	9.4599	REV
85 Phenacetin	108	13.677	13.723	(0.950)	38708	10.0000	9.8796	REV
86 Diallate #2	234	13.748	13.755	(0.955)	3030	10.0000		REV
87 Hexachlorobenzene	284	13.915	13.923	(0.966)	23260	10.0000	9.0251	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D Page 3
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.694	13.723	(0.951)	17871	10.0000	8.8340	REV
90 Pentachlorophenol	266	14.228	14.230	(0.988)	3350	10.0000	6.9923	REV
91 Pronamide	173	14.266	14.279	(0.991)	34335	10.0000	9.5250	REV
92 Pentachloronitrobenzene	295	14.330	14.343	(0.995)	4322	10.0000	8.6053	REV
94 Phenanthrene	178	14.433	14.446	(1.002)	122799	10.0000	10.088	REV
95 Anthracene	178	14.503	14.516	(1.007)	123669	10.0000	10.037	REV
96 Dinoseb	211	14.508	14.516	(1.007)	12037	10.0000	8.5855	REV
97 Carbazole	167	14.789	14.802	(1.027)	108522	10.0000	9.5073	REV
98 Di-n-Butylphthalate	149	15.404	15.406	(1.070)	132882	10.0000	10.023	REV
101 Isodrin	193	16.111	16.113	(1.119)	13056	10.0000	9.3541	REV
102 Fluoranthene	202	16.343	16.351	(1.135)	136836	10.0000	9.9809	REV
103 Benzidine	184	16.586	16.588	(0.889)	45239	10.0000	8.5302	REV
104 Pyrene	202	16.704	16.712	(0.896)	140639	10.0000	10.910	REV
106 4-Dimethylaminoazobenzene	120	17.217	17.225	(0.923)	33623	10.0000	10.160	REV
107 Chlorobenzilate	251	17.292	17.300	(0.927)	36809	10.0000	9.9322	REV
109 3,3'-Dimethylbenzidine	212	17.756	17.764	(0.952)	67139	10.0000	9.9793	REV
110 Butylbenzylphthalate	149	17.794	17.797	(0.954)	58822	10.0000	11.005	REV
111 2-Acetylaminofluorene	181	18.199	18.217	(0.976)	46935	10.0000	9.1807	REV
112 3,3'-Dichlorobenzidine	252	18.620	18.627	(0.998)	45314	10.0000	9.9750	REV
113 Benzo(a)anthracene	228	18.625	18.633	(0.999)	131615	10.0000	10.724	REV
115 bis(2-Ethylhexyl)phthalate	149	18.717	18.725	(1.003)	76752	10.0000	10.746	REV
116 Chrysene	228	18.690	18.703	(1.002)	115552	10.0000	10.205	REV
117 Di-n-octylphthalate	149	19.639	19.647	(0.944)	119204	10.0000	10.809	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.265	20.289	(0.975)	47764	10.0000	9.6980	REV
119 Benzo(b)fluoranthene	252	20.265	20.278	(0.975)	131730	10.0000	11.018	REV
120 Benzo(k)fluoranthene	252	20.298	20.311	(0.976)	130922	10.0000	10.703	REV
121 Benzo(a)pyrene	252	20.719	20.726	(0.996)	112802	10.0000	10.289	REV
123 3-MethylCholanthrene	268	21.220	21.228	(1.020)	50261	10.0000	8.9424	REV
125 Indeno(1,2,3-cd)pyrene	276	22.386	22.399	(1.077)	123869	10.0000	10.905	REV
126 Dibenz(a,h)anthracene	278	22.386	22.399	(1.077)	101221	10.0000	10.837	REV
127 Benzo(g,h,i)perylene	276	22.634	22.847	(1.098)	98857	10.0000	11.500	REV
M 176 Diallate (total)	234				15570	10.0000	8.8475	

QC Flag Legend

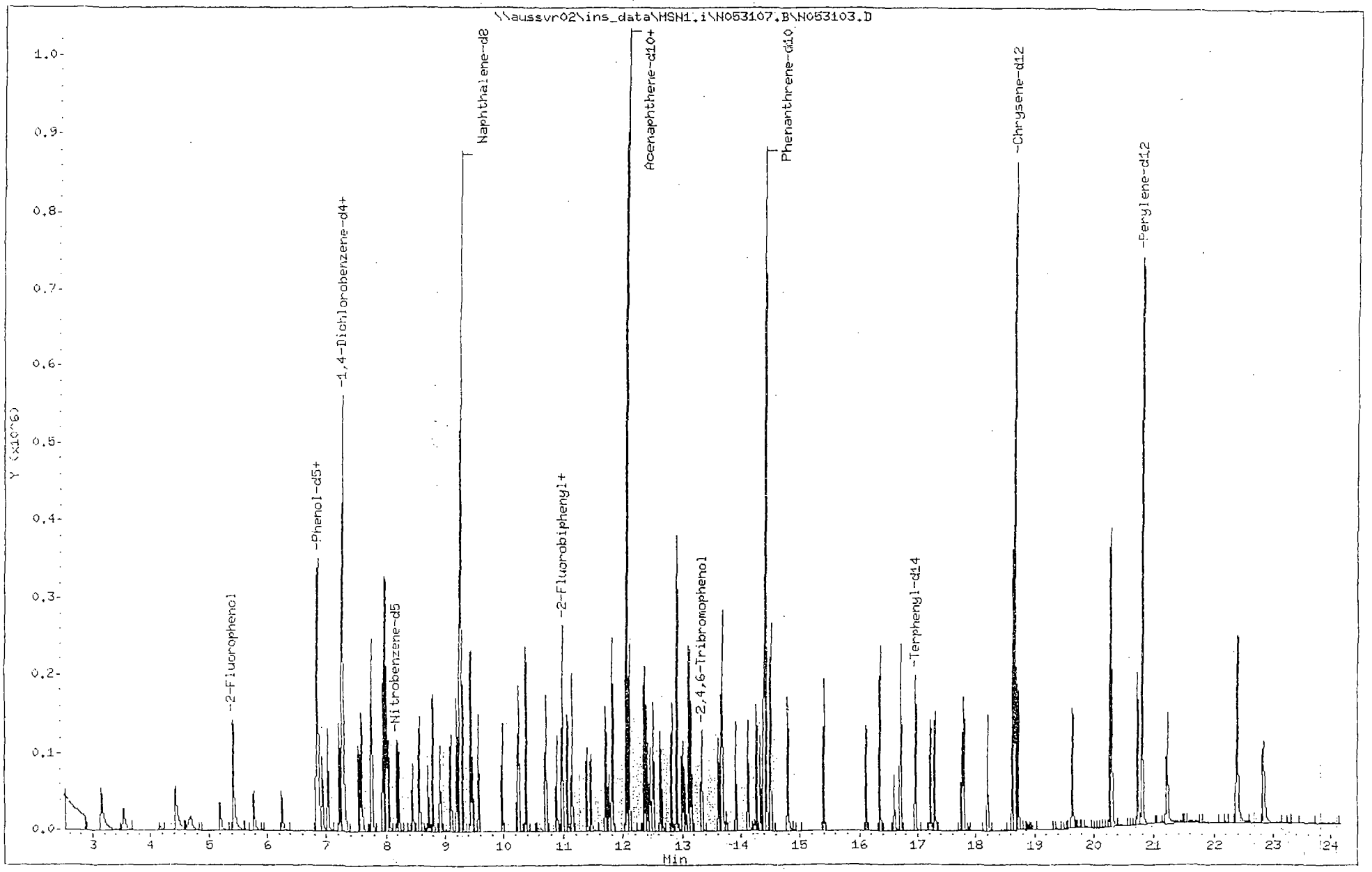
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053103.D
Date : 31-MAY-2007 12:44
Client ID: MSL_010
Sample Info: Icalib_1;MSL_010;;1;1;3;;;; 06MSSV440

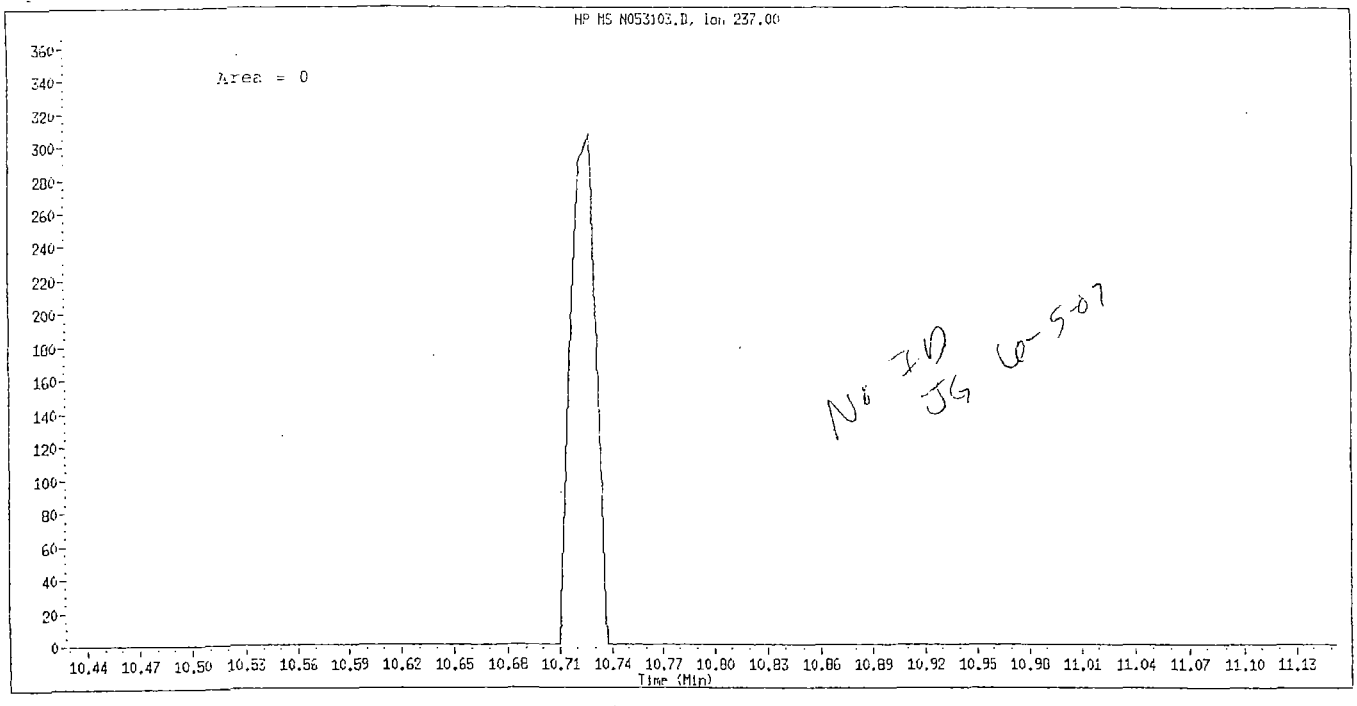
Column phase: Rtx5-MS

Instrument: MSN1.i

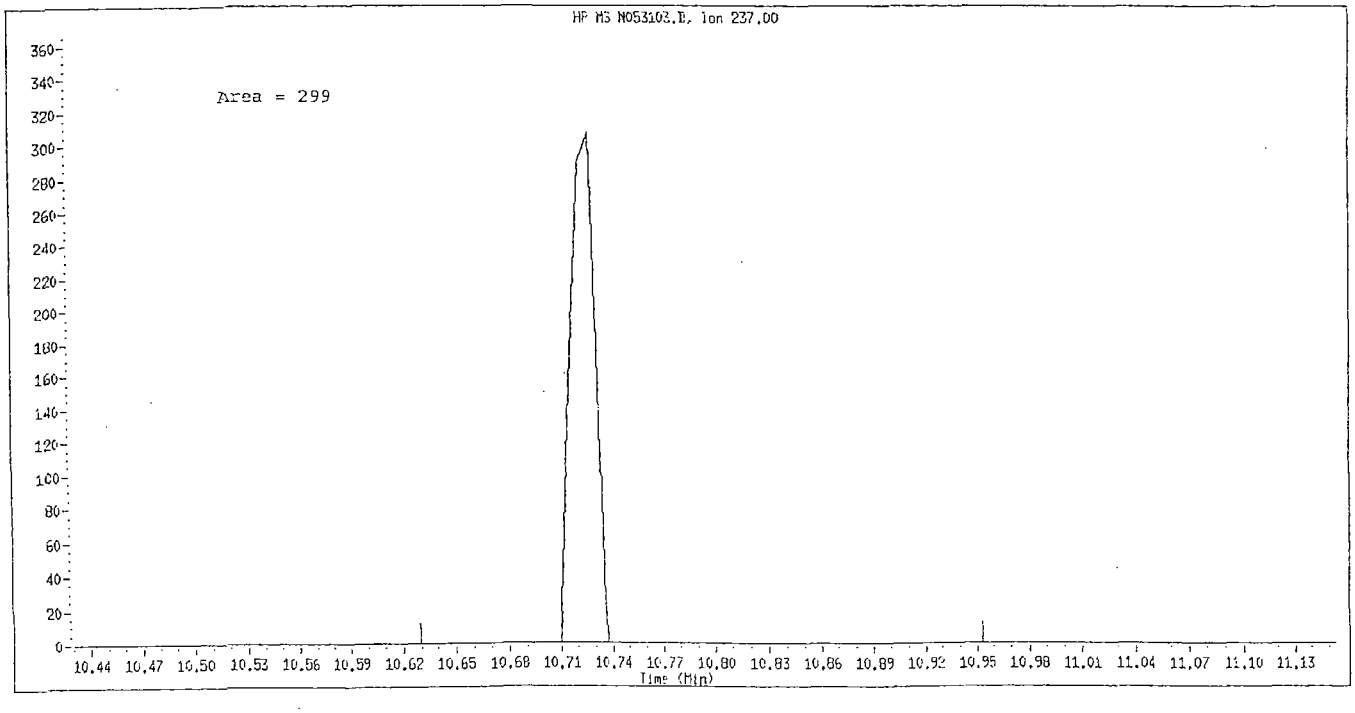
Operator: malloym
Column diameter: 0.25



Data File Name: N053103.D
Inj. Date and Time: 31-MAY-2007 12:44
Instrument ID: MSN1.I
Client ID: HSL_010
Compound Name: Hexachlorocyclopentadiene
CAS #: 77-47-4
Report Date: 05/31/2007



Original Integration



Manual Integration

Manually Integrated By: MalloyM
Manual Integration Reason: Analyte not Identified by the Data System

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 1
Report Date: 31-May-2007 14:02

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D
Lab Smp Id: Icalib_2 Client Smp ID: HSL_020
Inj Date : 31-MAY-2007 13:14
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;HSL_020;;1;2;3;;;; 06MSSV441
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N051507M.M
Meth Date : 31-May-2007 13:59 malloym Quant Type: ISTD
Cal Date : 17-MAY-2007 14:06 Cal File: N051709.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.260	7.265	(1.000)	133082	40.0000		REV
* 40 Naphthalene-d8	136	9.245	9.256	(1.000)	496832	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.056	(1.000)	283240	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.408	(1.000)	489890	40.0000		REV
* 114 Chrysene-d12	240	18.649	18.660	(1.000)	444989	40.0000		REV
* 122 Perylene-d12	264	20.797	20.802	(1.000)	396955	40.0000		REV
$ 6 2-Fluorophenol	112	5.409	5.414	(0.745)	205579	40.0000	45.371	REV
$ 12 Phenol-d5	99	6.839	6.855	(0.942)	248921	40.0000	45.941	REV
$ 82 2,4,6-Tribromophenol	330	13.335	13.345	(0.926)	44443	40.0000	37.744	REV
$ 29 Nitrobenzene-d5	82	8.171	8.187	(0.884)	104171	20.0000	22.787	REV
$ 54 2-Fluorobiphenyl	172	10.977	10.987	(0.910)	209781	20.0000	21.896	REV
$ 105 Terphenyl-d14	244	16.961	16.966	(0.909)	210798	20.0000	23.253	REV
1 Pyridine	79	3.127	3.116	(0.431)	98120	20.0000	21.567	REV
2 N-Nitrosodimethylamine	74	3.154	3.159	(0.434)	58177	20.0000	22.821	REV
3 2-Picoline	93	4.411	4.405	(0.608)	115413	20.0000	22.133	REV
4 N-Nitrosomethylethylamine	88	4.681	4.675	(0.645)	52502	20.0000	22.127	REV
5 Methyl methanesulfonate	80	5.182	5.198	(0.714)	58478	20.0000	23.362	REV
7 N-Nitrosodiethylamine	102	5.754	5.765	(0.793)	50583	20.0000	21.942	REV
8 Ethyl methanesulfonate	79	6.234	6.245	(0.859)	75001	20.0000	23.014	REV
9 Pentachloroethane	117	6.823	6.828	(0.940)	36170	20.0000	23.397	REV
10 Aniline	93	6.844	6.849	(0.943)	157292	20.0000	23.077	REV
11 bis(2-Chloroethyl)ether	93	6.925	6.936	(0.954)	101297	20.0000	22.258	REV
13 Phenol	94	6.855	6.871	(0.944)	143088	20.0000	23.004	REV
14 2-Chlorophenol	128	7.011	7.022	(0.966)	109580	20.0000	22.348	REV
15 1,3-Dichlorobenzene	146	7.206	7.211	(0.993)	116784	20.0000	22.002	REV
16 1,4-Dichlorobenzene	146	7.287	7.292	(1.004)	120762	20.0000	22.622	REV
18 1,2-Dichlorobenzene	146	7.578	7.578	(1.044)	112798	20.0000	22.471	REV
19 Benzyl Alcohol	108	7.529	7.540	(1.037)	66114	20.0000	22.352	REV
20 bis(2-Chloroisopropyl)ether	45	7.745	7.750	(1.067)	122097	20.0000	26.583	REV
21 2-Methylphenol	108	7.745	7.756	(1.067)	94884	20.0000	22.460	REV
22 Acetophenone	105	7.934	7.944	(1.093)	139492	20.0000	22.700	REV
23 N-Nitroso-di-n-propylamine	70	7.972	7.993	(1.098)	74434	20.0000	23.450	REV
24 N-Nitrosopyrrolidine	100	7.950	7.977	(1.095)	50181	20.0000	22.740	REV

6-1-7

6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 2
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.972	7.993	(1.098)	206908	40.0000	48.368	REV
27 o-Toluidine	106	8.004	8.020	(1.103)	158786	20.0000	22.852(Q)	REV
28 Hexachloroethane	117	8.037	8.042	(1.107)	43195	20.0000	22.832	REV
30 Nitrobenzene	77	8.198	8.214	(0.887)	109830	20.0000	23.376	REV
31 N-Nitrosopiperidine	114	8.436	8.457	(0.912)	48818	20.0000	22.070	REV
32 Isophorone	82	8.549	8.565	(0.925)	190017	20.0000	23.190	REV
33 2-Nitrophenol	139	8.700	8.705	(0.941)	53005	20.0000	21.154	REV
34 2,4-Dimethyphenol	107	8.776	8.786	(0.949)	105724	20.0000	22.541	REV
35 Bis(2-chloroethoxy)methane	93	8.905	8.916	(0.963)	108831	20.0000	22.979	REV
36 2,4-Dichlorophenol	162	9.078	9.083	(0.982)	79746	20.0000	21.695	REV
38 1,2,4-Trichlorobenzene	180	9.186	9.191	(0.994)	90813	20.0000	21.785	REV
39 Benzoic Acid	122	8.965	9.034	(0.970)	9403	20.0000	18.338	REV
41 Naphthalene	128	9.278	9.288	(1.004)	295885	20.0000	22.691	REV
42 4-Chloroaniline	127	9.418	9.428	(1.019)	120226	20.0000	22.408	REV
43 2,6-Dichlorophenol	162	9.429	9.434	(1.020)	79498	20.0000	21.666	REV
44 Hexachloropropene	213	9.461	9.466	(1.023)	50889	20.0000	21.316	REV
45 Hexachlorobutadiene	225	9.553	9.558	(1.033)	54564	20.0000	21.561	REV
46 N-Nitroso-di-n-butylamine	84	9.957	9.968	(1.077)	65768	20.0000	23.462	REV
47 4-Chloro-3-Methylphenol	107	10.211	10.216	(1.104)	88976	20.0000	22.770	REV
48 Safrole	162	10.243	10.248	(1.108)	75172	20.0000	21.760	REV
49 2-Methylnaphthalene	142	10.362	10.372	(1.121)	192792	20.0000	22.381	REV
50 Hexachlorocyclopentadiene	237	10.718	10.723	(0.889)	3724	20.0000	17.389	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.697	10.702	(0.887)	86138	20.0000	20.592	REV
52 2,4,6-Trichlorophenol	196	10.880	10.885	(0.902)	51259	20.0000	19.930	REV
53 2,4,5-Trichlorphenol	196	10.955	10.961	(0.909)	53174	20.0000	19.290	REV
55 2-Chloronaphthalene	127	11.139	11.144	(0.924)	71052	20.0000	22.211	REV
56 Isosafrole	162	11.058	11.068	(0.917)	75239	20.0000	21.960	REV
57 2-Nitroaniline	65	11.382	11.398	(0.944)	53978	20.0000	23.066	REV
58 1,4-Naphthoquinone	158	11.452	11.462	(0.950)	66135	20.0000	22.073	REV
59 Dimethylphthalate	163	11.700	11.716	(0.970)	196654	20.0000	21.476	REV
60 2,6-Dinitrotoluene	165	11.824	11.840	(0.981)	47433	20.0000	22.205	REV
61 1,3-Dinitrobenzene	168	11.759	11.770	(0.975)	33031	20.0000	20.056	REV
62 Acenaphthylene	152	11.808	11.818	(0.979)	300551	20.0000	23.040	REV
63 3-Nitroaniline	138	12.051	12.067	(1.000)	49576	20.0000	21.311	REV
65 Acenaphthene	153	12.105	12.110	(1.004)	178851	20.0000	22.503	REV
66 2,4-Dinitrophenol	184	12.234	12.239	(1.015)	8367	20.0000	20.118	REV
67 Dibenzofuran	168	12.353	12.363	(1.025)	251035	20.0000	22.595	REV
68 4-Nitrophenol	109	12.396	12.401	(1.028)	22735	20.0000	24.901	REV
69 Pentachlorobenzene	250	12.396	12.401	(1.028)	73428	20.0000	20.899	REV
70 2,4-Dinitrotoluene	165	12.450	12.471	(1.033)	60260	20.0000	20.836	REV
72 2,3,4,6-tetrachlorophenol	232	12.644	12.655	(1.049)	39431	20.0000	17.900	REV
74 Diethylphthalate	149	12.817	12.838	(1.063)	192148	20.0000	21.430	REV
75 4-Chlorophenyl-phenylether	204	12.903	12.908	(1.070)	100935	20.0000	21.785	REV
76 Fluorene	166	12.903	12.914	(1.070)	197426	20.0000	22.273	REV
77 5-Nitro-o-toluidine	152	13.006	13.027	(1.079)	58324	20.0000	21.314	REV
78 4,6-Dinitro-2-methylphenol	198	13.097	13.124	(0.910)	27821	20.0000	19.587	REV
79 4-Nitroaniline	138	13.038	13.070	(1.081)	49774	20.0000	22.032	REV
80 N-Nitrosodiphenylamine/DPA	169	13.114	13.135	(1.088)	176486	20.0000	21.578	REV
81 Azobenzene	77	13.151	13.162	(0.913)	192296	20.0000	24.511	REV
83 Diallate #1	234	13.615	13.620	(0.946)	30536	20.0000		REV
84 4-Bromophenyl-phenylether	248	13.675	13.680	(0.950)	55482	20.0000	21.470	REV
85 Phenacetin	108	13.686	13.723	(0.951)	95786	20.0000	23.847	REV
86 Diallate #2	234	13.750	13.755	(0.955)	7062	20.0000		REV
87 Hexachlorobenzene	284	13.912	13.923	(0.966)	54656	20.0000	20.686	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D Page 3
Report Date: 31-May-2007 14:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.691	13.723	(0.951)	40784	20.0000	19.665	REV
90 Pentachlorophenol	266	14.225	14.230	(0.988)	12581	20.0000	13.151	REV
91 Pronamide	173	14.263	14.279	(0.991)	83428	20.0000	22.575	REV
92 Pentachloronitrobenzene	295	14.333	14.343	(0.996)	10100	20.0000	19.615	REV
94 Phenanthrene	178	14.436	14.446	(1.003)	284446	20.0000	22.794	REV
95 Anthracene	178	14.506	14.516	(1.007)	291530	20.0000	23.079	REV
96 Dinoseb	211	14.506	14.516	(1.007)	38743	20.0000	19.849	REV
97 Carbazole	167	14.792	14.802	(1.027)	272204	20.0000	23.261	REV
98 Di-n-Butylphthalate	149	15.401	15.406	(1.070)	316958	20.0000	23.320	REV
101 Isodrin	193	16.108	16.113	(1.119)	30791	20.0000	21.518	REV
102 Fluoranthene	202	16.340	16.351	(1.135)	320889	20.0000	22.830	REV
103 Benzidine	184	16.583	16.588	(0.889)	119076	20.0000	21.231	REV
104 Pyrene	202	16.702	16.712	(0.896)	332810	20.0000	24.414	REV
106 4-Dimethylaminoazobenzene	120	17.214	17.225	(0.923)	84369	20.0000	24.108	REV
107 Chlorobenzilate	251	17.290	17.300	(0.927)	88408	20.0000	22.557	REV
109 3,3'-Dimethylbenzidine	212	17.759	17.764	(0.952)	179787	20.0000	25.269	REV
110 Butylbenzylphthalate	149	17.792	17.797	(0.954)	140717	20.0000	24.895	REV
111 2-Acetylaminofluorene	181	18.196	18.217	(0.976)	119282	20.0000	22.063	REV
112 3,3'-Dichlorobenzidine	252	18.617	18.627	(0.998)	110500	20.0000	23.001	REV
113 Benzo(a)anthracene	228	18.622	18.633	(0.999)	307017	20.0000	23.655	REV
115 bis(2-Ethylhexyl)phthalate	149	18.720	18.725	(1.004)	186655	20.0000	24.711	REV
116 Chrysene	228	18.693	18.703	(1.002)	279635	20.0000	23.352	REV
117 Di-n-octylphthalate	149	19.642	19.647	(0.944)	296380	20.0000	25.205	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.268	20.289	(0.975)	126444	20.0000	24.077	REV
119 Benzo(b)fluoranthene	252	20.263	20.278	(0.974)	297571	20.0000	23.342	REV
120 Benzo(k)fluoranthene	252	20.295	20.311	(0.976)	320729	20.0000	24.591	REV
121 Benzo(a)pyrene	252	20.716	20.726	(0.996)	268083	20.0000	22.932	REV
123 3-MethylCholanthrene	268	21.212	21.228	(1.020)	125230	20.0000	20.896	REV
125 Indeno(1,2,3-cd)pyrene	276	22.378	22.399	(1.076)	294268	20.0000	24.295	REV
126 Dibenz(a,h)anthracene	278	22.378	22.399	(1.076)	240325	20.0000	24.132	REV
127 Benzo(g,h,i)perylene	276	22.826	22.847	(1.098)	241521	20.0000	26.350	REV
M 176 Diallate (total)	234				37598	20.0000	20.840	

QC Flag Legend

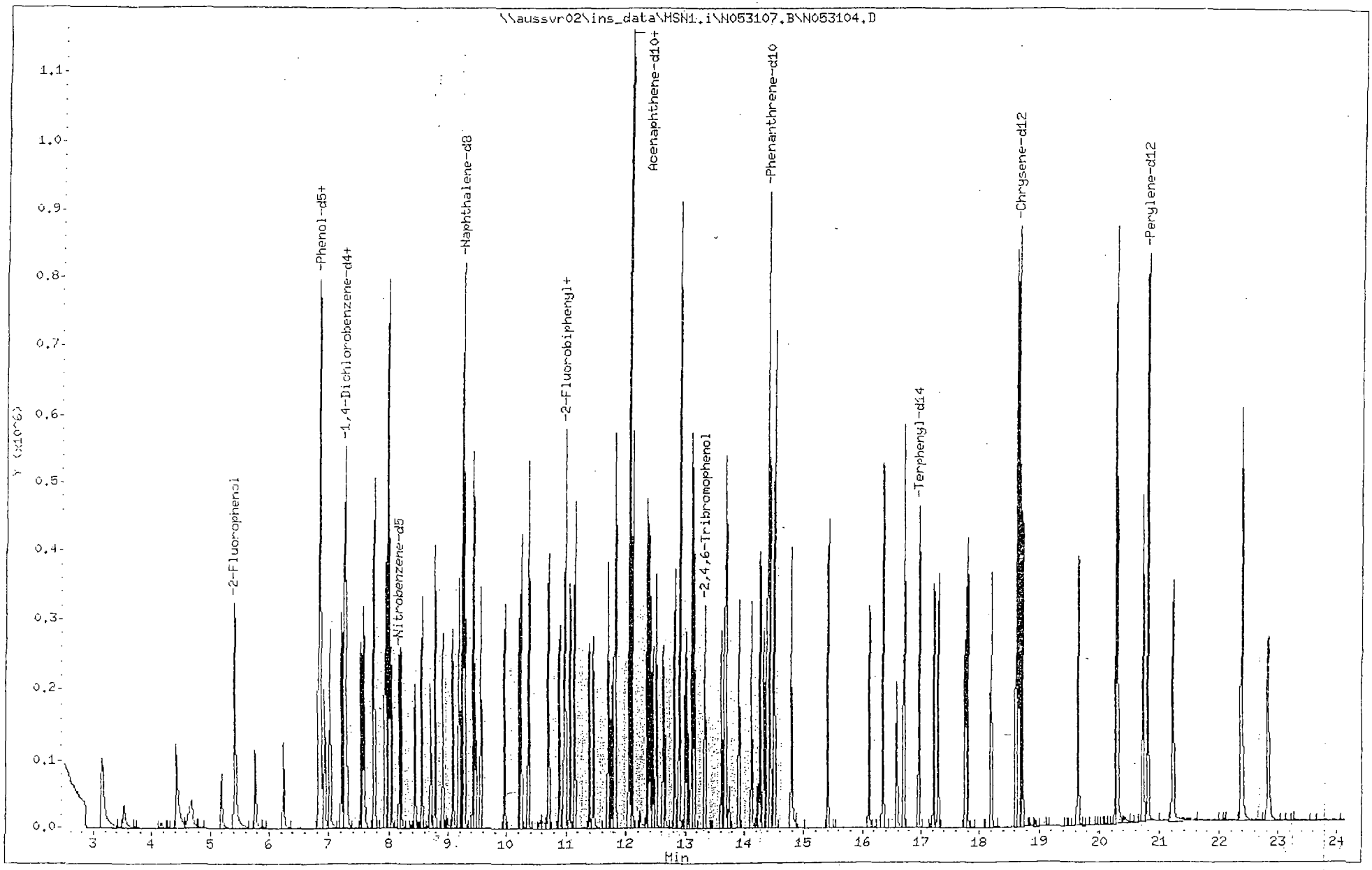
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053104.D
Date : 31-MAY-2007 13:14
Client ID: MSL_020
Sample Info: Icalib_2;MSL_020;;1;2;3;;;; 06MSSV441

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 1
Report Date: 31-May-2007 14:31

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D
Lab Smp Id: Icalib_3 Client Smp ID: HSL_050
Inj Date : 31-MAY-2007 13:44
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;HSL_050;;1;3;3;;;; 06MSSV442
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Meth Date : 31-May-2007 14:31 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 13:44 Cal File: N053105.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.264	7.265	(1.000)	141790	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.256	(1.000)	542633	40.0000		REV
* 64 Acenaphthene-d10	164	12.055	12.056	(1.000)	306030	40.0000		REV
* 93 Phenanthrene-d10	188	14.402	14.408	(1.000)	543701	40.0000		REV
* 114 Chrysene-d12	240	18.660	18.660	(1.000)	495475	40.0000		REV
* 122 Perylene-d12	264	20.802	20.802	(1.000)	442295	40.0000		REV
$ 6 2-Fluorophenol	112	5.408	5.414	(0.745)	516061	100.000	104.80	REV
$ 12 Phenol-d5	99	6.843	6.855	(0.942)	621990	100.000	102.66	REV
$ 82 2,4,6-Tribromophenol	330	13.340	13.345	(0.926)	121390	100.000	108.11	REV
$ 29 Nitrobenzene-d5	82	8.182	8.187	(0.885)	265280	50.0000	51.882	REV
$ 54 2-Fluorobiphenyl	172	10.982	10.987	(0.911)	532366	50.0000	51.573	REV
$ 105 Terphenyl-d14	244	16.965	16.966	(0.909)	525825	50.0000	49.987	REV
1 Pyridine	79	3.115	3.116	(0.429)	257662	50.0000	52.077	REV
2 N-Nitrosodimethylamine	74	3.153	3.159	(0.434)	144558	50.0000	51.034	REV
3 2-Picoline	93	4.405	4.405	(0.606)	290165	50.0000	51.764	REV
4 N-Nitrosomethylethylamine	88	4.680	4.675	(0.644)	133111	50.0000	51.950	REV
5 Methyl methanesulfonate	80	5.187	5.198	(0.714)	148477	50.0000	51.363	REV
7 N-Nitrosodiethylamine	102	5.759	5.765	(0.793)	125390	50.0000	51.932	REV
8 Ethyl methanesulfonate	79	6.239	6.245	(0.859)	192878	50.0000	52.059	REV
9 Pentachloroethane	117	6.822	6.828	(0.939)	90511	50.0000	51.945	REV
10 Aniline	93	6.849	6.849	(0.943)	397508	50.0000	51.949	REV
11 bis(2-Chloroethyl)ether	93	6.930	6.936	(0.954)	255020	50.0000	51.536	REV
13 Phenol	94	6.860	6.871	(0.944)	377132	50.0000	52.742	REV
14 2-Chlorophenol	128	7.016	7.022	(0.966)	273303	50.0000	51.542	REV
15 1,3-Dichlorobenzene	146	7.210	7.211	(0.993)	289661	50.0000	51.205	REV
16 1,4-Dichlorobenzene	146	7.291	7.292	(1.004)	299328	50.0000	51.027	REV
18 1,2-Dichlorobenzene	146	7.577	7.578	(1.043)	278063	50.0000	51.196	REV
19 Benzyl Alcohol	108	7.534	7.540	(1.037)	171568	50.0000	53.090	REV
20 bis(2-Chloroisopropyl)ether	45	7.750	7.750	(1.067)	299372	50.0000	50.472	REV
21 2-Methylphenol	108	7.750	7.756	(1.067)	239644	50.0000	51.606	REV
22 Acetophenone	105	7.939	7.944	(1.093)	352541	50.0000	52.039	REV
23 N-Nitroso-di-n-propylamine	70	7.982	7.993	(1.099)	188341	50.0000	51.924	REV
24 N-Nitrosopyrrolidine	100	7.966	7.977	(1.097)	130575	50.0000	53.145	REV

6/1/7

JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 2
Report Date: 31-May-2007 14:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.987	7.993	(1.100)	520738	100.000	103.09	REV
27 o-Toluidine	106	8.009	8.020	(1.102)	398903	50.0000	51.890(Q)	REV
28 Hexachloroethane	117	8.036	8.042	(1.106)	108336	50.0000	51.774	REV
30 Nitrobenzene	77	8.208	8.214	(0.887)	275796	50.0000	51.376	REV
31 N-Nitrosopiperidine	114	8.446	8.457	(0.913)	126402	50.0000	52.774	REV
32 Isophorone	82	8.559	8.565	(0.925)	484283	50.0000	52.276	REV
33 2-Nitrophenol	139	8.699	8.705	(0.941)	143005	50.0000	54.601	REV
34 2,4-Dimethyphenol	107	8.780	8.786	(0.949)	270108	50.0000	52.069	REV
35 Bis(2-chloroethoxy)methane	93	8.910	8.916	(0.963)	276821	50.0000	52.300	REV
36 2,4-Dichlorophenol	162	9.077	9.083	(0.981)	205060	50.0000	52.685	REV
38 1,2,4-Trichlorobenzene	180	9.185	9.191	(0.993)	227120	50.0000	51.402	REV
39 Benzoic Acid	122	9.007	9.034	(0.974)	46779	50.0000	50.000	REV
41 Naphthalene	128	9.282	9.288	(1.003)	739156	50.0000	50.868	REV
42 4-Chloroaniline	127	9.422	9.428	(1.019)	310731	50.0000	52.642	REV
43 2,6-Dichlorophenol	162	9.433	9.434	(1.020)	205765	50.0000	52.240	REV
44 Hexachloropropene	213	9.466	9.466	(1.023)	138518	50.0000	55.371	REV
45 Hexachlorobutadiene	225	9.552	9.558	(1.033)	135213	50.0000	51.136	REV
46 N-Nitroso-di-n-butylamine	84	9.962	9.968	(1.077)	168375	50.0000	53.218	REV
47 4-Chloro-3-Methylphenol	107	10.210	10.216	(1.104)	231264	50.0000	53.866	REV
48 Safrole	162	10.248	10.248	(1.108)	193621	50.0000	52.987	REV
49 2-Methylnaphthalene	142	10.367	10.372	(1.121)	493449	50.0000	52.217	REV
50 Hexachlorocyclopentadiene	237	10.723	10.723	(0.889)	32284	50.0000	50.000	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.701	10.702	(0.888)	220643	50.0000	51.238	REV
52 2,4,6-Trichlorophenol	196	10.879	10.885	(0.902)	137253	50.0000	54.206	REV
53 2,4,5-Trichlorphenol	196	10.955	10.961	(0.909)	147865	50.0000	54.090	REV
55 2-Chloronaphthalene	127	11.144	11.144	(0.924)	179968	50.0000	51.590	REV
56 Isosafrole	162	11.063	11.068	(0.918)	189146	50.0000	51.662	REV
57 2-Nitroaniline	65	11.392	11.398	(0.945)	138769	50.0000	53.072	REV
58 1,4-Naphthoquinone	158	11.457	11.462	(0.950)	175476	50.0000	55.479	REV
59 Dimethylphthalate	163	11.710	11.716	(0.971)	494138	50.0000	51.296	REV
60 2,6-Dinitrotoluene	165	11.834	11.840	(0.982)	122378	50.0000	52.853	REV
61 1,3-Dinitrobenzene	168	11.764	11.770	(0.976)	90341	50.0000	55.590	REV
62 Acenaphthylene	152	11.813	11.818	(0.980)	755998	50.0000	51.670	REV
63 3-Nitroaniline	138	12.061	12.067	(1.000)	131979	50.0000	53.352	REV
65 Acenaphthene	153	12.109	12.110	(1.004)	449270	50.0000	51.354	REV
66 2,4-Dinitrophenol	184	12.234	12.239	(1.015)	47313	50.0000	50.000	REV
67 Dibenzofuran	168	12.358	12.363	(1.025)	625685	50.0000	51.060	REV
68 4-Nitrophenol	109	12.395	12.401	(1.028)	60528	50.0000	50.000	REV
69 Pentachlorobenzene	250	12.401	12.401	(1.029)	185854	50.0000	51.802	REV
70 2,4-Dinitrotoluene	165	12.460	12.471	(1.034)	162368	50.0000	54.970	REV
72 2,3,4,6-tetrachlorophenol	232	12.649	12.655	(1.049)	112580	50.0000	57.796	REV
74 Diethylphthalate	149	12.832	12.838	(1.064)	492745	50.0000	52.468	REV
75 4-Chlorophenyl-phenylether	204	12.903	12.908	(1.070)	245710	50.0000	50.876	REV
76 Fluorene	166	12.908	12.914	(1.071)	486353	50.0000	51.013	REV
77 5-Nitro-o-toluidine	152	13.016	13.027	(1.080)	156704	50.0000	54.871	REV
78 4,6-Dinitro-2-methylphenol	198	13.113	13.124	(0.910)	88326	50.0000	50.000	REV
79 4-Nitroaniline	138	13.054	13.070	(1.083)	131333	50.0000	54.112	REV
80 N-Nitrosodiphenylamine/DPA	169	13.124	13.135	(1.089)	457347	50.0000	52.286	REV
81 Azobenzene	77	13.156	13.162	(0.913)	480790	50.0000	50.554	REV
83 Diallate #1	234	13.620	13.620	(0.946)	79952	50.0000		REV
84 4-Bromophenyl-phenylether	248	13.679	13.680	(0.950)	144037	50.0000	51.496	REV
85 Phenacetin	108	13.712	13.723	(0.952)	247314	50.0000	52.898	REV
86 Diallate #2	234	13.750	13.755	(0.955)	18604	50.0000		REV
87 Hexachlorobenzene	284	13.917	13.923	(0.966)	141167	50.0000	51.616	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D Page 3
Report Date: 31-May-2007 14:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.706	13.723	(0.952)	119143	50.0000	53.957	REV
90 Pentachlorophenol	266	14.230	14.230	(0.988)	47362	50.0000	50.000	REV
91 Pronamide	173	14.273	14.279	(0.991)	217669	50.0000	52.704	REV
92 Pentachloronitrobenzene	295	14.338	14.343	(0.996)	26869	50.0000	52.216	REV
94 Phenanthrene	178	14.440	14.446	(1.003)	721259	50.0000	50.798	REV
95 Anthracene	178	14.510	14.516	(1.007)	736006	50.0000	51.127	REV
96 Dinoseb	211	14.510	14.516	(1.007)	118892	50.0000	50.000	REV
97 Carbazole	167	14.796	14.802	(1.027)	705983	50.0000	53.347	REV
98 Di-n-Butylphthalate	149	15.406	15.406	(1.070)	802482	50.0000	51.492	REV
101 Isodrin	193	16.113	16.113	(1.119)	79763	50.0000	51.761	REV
102 Fluoranthene	202	16.350	16.351	(1.135)	811085	50.0000	51.026	REV
103 Benzidine	184	16.588	16.588	(0.889)	341617	50.0000	56.190	REV
104 Pyrene	202	16.706	16.712	(0.895)	831064	50.0000	50.092	REV
106 4-Dimethylaminoazobenzene	120	17.219	17.225	(0.923)	218537	50.0000	52.471	REV
107 Chlorobenzilate	251	17.294	17.300	(0.927)	226855	50.0000	51.143	REV
109 3,3'-Dimethylbenzidine	212	17.764	17.764	(0.952)	472797	50.0000	54.465	REV
110 Butylbenzylphthalate	149	17.796	17.797	(0.954)	352843	50.0000	50.467	REV
111 2-Acetylaminofluorene	181	18.212	18.217	(0.976)	316587	50.0000	53.395	REV
112 3,3'-Dichlorobenzidine	252	18.622	18.627	(0.998)	279815	50.0000	51.192	REV
113 Benzo(a)anthracene	228	18.627	18.633	(0.998)	754708	50.0000	49.340	REV
115 bis(2-Ethylhexyl)phthalate	149	18.719	18.725	(1.003)	482744	50.0000	51.651	REV
116 Chrysene	228	18.697	18.703	(1.002)	706178	50.0000	51.003	REV
117 Di-n-octylphthalate	149	19.641	19.647	(0.944)	773986	50.0000	52.222	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.278	20.289	(0.975)	313459	50.0000	52.489	REV
119 Benzo(b)fluoranthene	252	20.273	20.278	(0.975)	756870	50.0000	49.167	REV
120 Benzo(k)fluoranthene	252	20.305	20.311	(0.976)	791733	50.0000	50.446	REV
121 Benzo(a)pyrene	252	20.721	20.726	(0.996)	679833	50.0000	50.361	REV
123 3-MethylCholanthrene	268	21.222	21.228	(1.020)	331116	50.0000	52.584	REV
125 Indeno(1,2,3-cd)pyrene	276	22.388	22.399	(1.076)	746697	50.0000	50.367	REV
126 Dibenz(a,h)anthracene	278	22.393	22.399	(1.077)	617182	50.0000	50.652	REV
127 Benzo(g,h,i)perylene	276	22.836	22.847	(1.098)	625327	50.0000	51.570	REV
M 176 Diallate (total)	234				98556	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

480

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053105.D

Date : 31-MAY-2007 13:44

Client ID: MSL_050

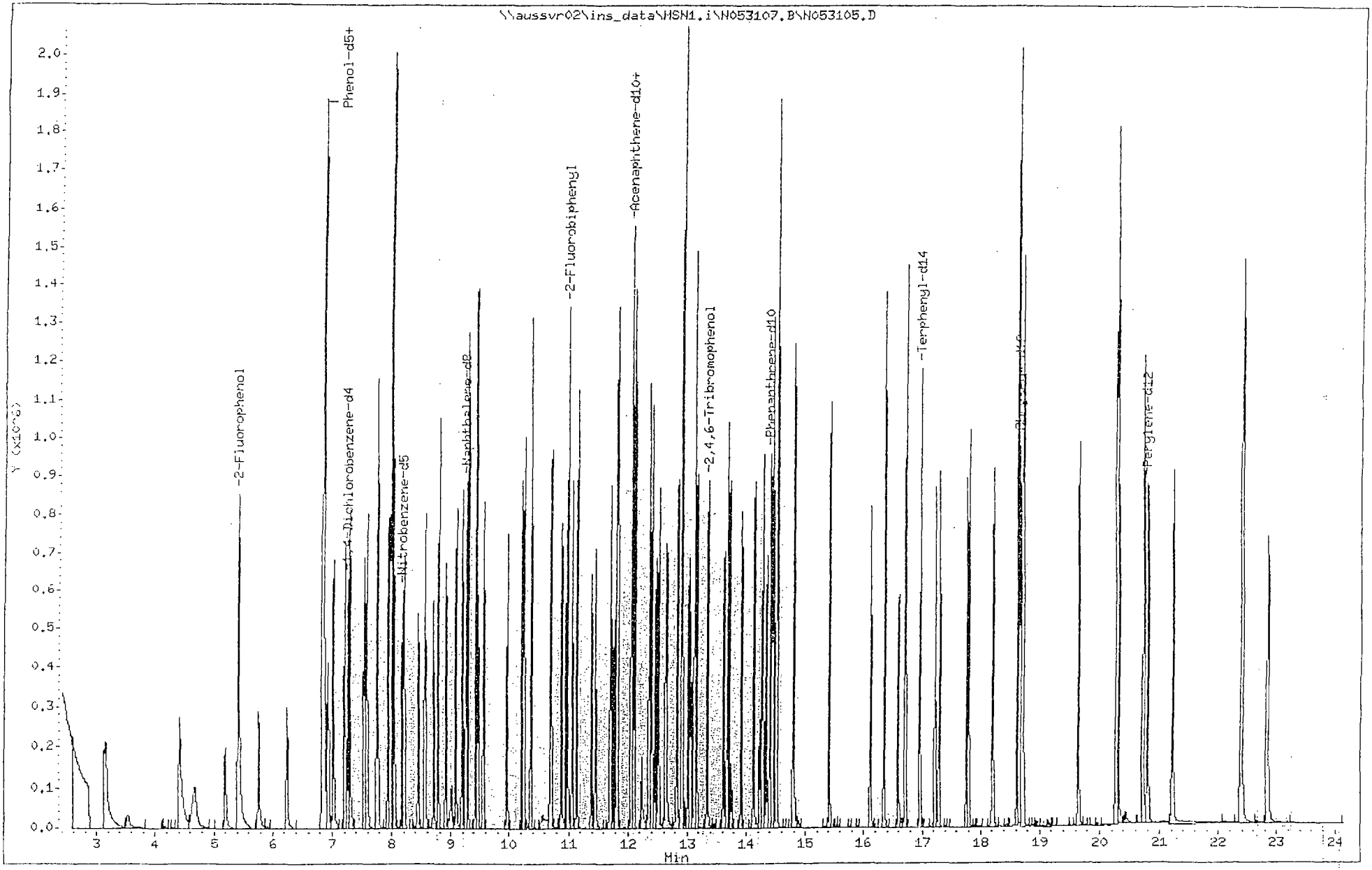
Sample Info: Icalib_3;MSL_050;;1;3;3;;;; 06MSSV442

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D Page 1
Report Date: 31-May-2007 14:42

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D
Lab Smp Id: Icalib_4 Client Smp ID: HSL_075
Inj Date : 31-MAY-2007 14:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;HSL_075;;1;4;3;;;; 06MSSV443
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 14:42 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 14:18 Cal File: N053106.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	117405	40.0000		
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	446154	40.0000		
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	247936	40.0000		
* 93 Phenanthrene-d10	188	14.405	14.405	(1.000)	445955	40.0000		
* 114 Chrysene-d12	240	18.657	18.657	(1.000)	400073	40.0000		
* 122 Perylene-d12	264	20.799	20.799	(1.000)	360970	40.0000		
$ 6 2-Fluorophenol	112	5.411	5.411	(0.745)	620805	150.000	147.57	
$ 12 Phenol-d5	99	6.846	6.846	(0.942)	746031	150.000	145.58	
$ 82 2,4,6-Tribromophenol	330	13.342	13.342	(0.926)	147023	150.000	153.41	
$ 29 Nitrobenzene-d5	82	8.184	8.184	(0.885)	319263	75.0000	73.639	
$ 54 2-Fluorobiphenyl	172	10.985	10.985	(0.911)	626940	75.0000	73.183	
$ 105 Terphenyl-d14	244	16.968	16.968	(0.909)	630061	75.0000	72.287	
1 Pyridine	79	3.118	3.118	(0.429)	306895	75.0000	73.890	
2 N-Nitrosodimethylamine	74	3.161	3.161	(0.435)	175316	75.0000	73.089	
3 2-Picoline	93	4.408	4.408	(0.607)	351272	75.0000	73.729	
4 N-Nitrosomethylethylamine	88	4.672	4.672	(0.643)	160869	75.0000	73.928	
5 Methyl methanesulfonate	80	5.190	5.190	(0.714)	176088	75.0000	72.505	
7 N-Nitrosodiethylamine	102	5.762	5.762	(0.793)	158221	75.0000	75.891	
8 Ethyl methanesulfonate	79	6.242	6.242	(0.859)	230275	75.0000	73.604	
9 Pentachloroethane	117	6.825	6.825	(0.939)	107855	75.0000	72.886	
10 Aniline	93	6.852	6.852	(0.943)	483050	75.0000	74.171	
11 bis(2-Chloroethyl)ether	93	6.933	6.933	(0.954)	308638	75.0000	73.581	
13 Phenol	94	6.862	6.862	(0.944)	433854	75.0000	72.497	
14 2-Chlorophenol	128	7.019	7.019	(0.966)	330235	75.0000	73.313	
15 1,3-Dichlorobenzene	146	7.208	7.208	(0.992)	348294	75.0000	72.700	
16 1,4-Dichlorobenzene	146	7.289	7.289	(1.003)	360834	75.0000	72.704	
18 1,2-Dichlorobenzene	146	7.580	7.580	(1.043)	333863	75.0000	72.494	
19 Benzyl Alcohol	108	7.537	7.537	(1.037)	207402	75.0000	75.191	
20 bis(2-Chloroisopropyl)ether	45	7.747	7.747	(1.066)	357831	75.0000	71.639	
21 2-Methylphenol	108	7.753	7.753	(1.067)	287983	75.0000	73.300	
22 Acetophenone	105	7.947	7.947	(1.094)	424979	75.0000	73.787	
23 N-Nitroso-di-n-propylamine	70	7.985	7.985	(1.099)	224530	75.0000	73.114	
24 N-Nitrosopyrrolidine	100	7.969	7.969	(1.097)	156769	75.0000	74.896	

6-1-1

JG 6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D
Report Date: 31-May-2007 14:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.990	7.990	(1.099)	626357	150.000	146.48	
27 o-Toluidine	106	8.017	8.017	(1.103)	479696	75.0000	73.430	
28 Hexachloroethane	117	8.039	8.039	(1.106)	130283	75.0000	73.320	
30 Nitrobenzene	77	8.211	8.211	(0.887)	333700	75.0000	73.308	
31 N-Nitrosopiperidine	114	8.449	8.449	(0.913)	150730	75.0000	74.066	
32 Isophorone	82	8.562	8.562	(0.925)	578728	75.0000	73.532	
33 2-Nitrophenol	139	8.702	8.702	(0.941)	172686	75.0000	76.841	
34 2,4-Dimethyphenol	107	8.783	8.783	(0.949)	323779	75.0000	73.610	
35 Bis(2-chloroethoxy)methane	93	8.913	8.913	(0.963)	332348	75.0000	73.767	
36 2,4-Dichlorophenol	162	9.080	9.080	(0.981)	245254	75.0000	74.033	
38 1,2,4-Trichlorobenzene	180	9.188	9.188	(0.993)	273682	75.0000	73.019	
39 Benzoic Acid	122	9.021	9.021	(0.975)	64932	75.0000	76.671	
41 Naphthalene	128	9.285	9.285	(1.003)	887348	75.0000	72.420	
42 4-Chloroaniline	127	9.425	9.425	(1.019)	369877	75.0000	73.841	
43 2,6-Dichlorophenol	162	9.436	9.436	(1.020)	244039	75.0000	73.393	
44 Hexachloropropene	213	9.463	9.463	(1.023)	171904	75.0000	79.121	
45 Hexachlorobutadiene	225	9.555	9.555	(1.033)	162080	75.0000	72.364	
46 N-Nitroso-di-n-butylamine	84	9.965	9.965	(1.077)	199066	75.0000	73.661	
47 4-Chloro-3-Methylphenol	107	10.213	10.213	(1.104)	276451	75.0000	75.016	
48 Safrole	162	10.251	10.251	(1.108)	229968	75.0000	73.883	
49 2-Methylnaphthalene	142	10.370	10.370	(1.121)	586238	75.0000	73.251	
50 Hexachlorocyclopentadiene	237	10.720	10.720	(0.889)	50698	75.0000	77.021	
51 1,2,4,5-Tetrachlorobenzene	216	10.699	10.699	(0.887)	265023	75.0000	74.229	
52 2,4,6-Trichlorophenol	196	10.882	10.882	(0.902)	165010	75.0000	77.230	
53 2,4,5-Trichlorphenol	196	10.958	10.958	(0.909)	176013	75.0000	77.337	
55 2-Chloronaphthalene	127	11.146	11.146	(0.924)	214240	75.0000	73.757	
56 Isosafrole	162	11.066	11.066	(0.918)	223885	75.0000	73.341	
57 2-Nitroaniline	65	11.395	11.395	(0.945)	165576	75.0000	75.202	
58 1,4-Naphthoquinone	158	11.459	11.459	(0.950)	208077	75.0000	77.109	
59 Dimethylphthalate	163	11.713	11.713	(0.971)	593140	75.0000	73.855	
60 2,6-Dinitrotoluene	165	11.837	11.837	(0.982)	144868	75.0000	74.680	
61 1,3-Dinitrobenzene	168	11.767	11.767	(0.976)	109369	75.0000	79.006	
62 Acenaphthylene	152	11.815	11.815	(0.980)	885072	75.0000	72.751	
63 3-Nitroaniline	138	12.064	12.064	(1.000)	159236	75.0000	76.729	
65 Acenaphthene	153	12.112	12.112	(1.004)	531914	75.0000	73.126	
66 2,4-Dinitrophenol	184	12.236	12.236	(1.015)	61704	75.0000	74.946	
67 Dibenzofuran	168	12.360	12.360	(1.025)	739742	75.0000	72.692	
68 4-Nitrophenol	109	12.398	12.398	(1.028)	73000	75.0000	73.651	
69 Pentachlorobenzene	250	12.404	12.404	(1.029)	218372	75.0000	73.164	
70 2,4-Dinitrotoluene	165	12.463	12.463	(1.034)	194065	75.0000	77.540	
72 2,3,4,6-tetrachlorophenol	232	12.652	12.652	(1.049)	135169	75.0000	80.888	
74 Diethylphthalate	149	12.835	12.835	(1.064)	589965	75.0000	74.933	
75 4-Chlorophenyl-phenylether	204	12.905	12.905	(1.070)	291810	75.0000	72.346	
76 Fluorene	166	12.911	12.911	(1.071)	580570	75.0000	72.959	
77 5-Nitro-o-toluidine	152	13.024	13.024	(1.080)	184743	75.0000	76.630	
78 4,6-Dinitro-2-methylphenol	198	13.116	13.116	(0.910)	106078	75.0000	85.551	
79 4-Nitroaniline	138	13.062	13.062	(1.083)	154432	75.0000	75.607	
80 N-Nitrosodiphenylamine/DPA	169	13.132	13.132	(1.089)	537383	75.0000	73.962	
81 Azobenzene	77	13.159	13.159	(0.913)	573939	75.0000	71.728	
83 Diallate #1	234	13.623	13.623	(0.946)	97098	75.0000		
84 4-Bromophenyl-phenylether	248	13.682	13.682	(0.950)	167586	75.0000	71.710	
85 Phenacetin	108	13.720	13.720	(0.952)	298898	75.0000	74.656	
86 Diallate #2	234	13.752	13.752	(0.955)	22616	75.0000		
87 Hexachlorobenzene	284	13.920	13.920	(0.966)	169547	75.0000	73.438	

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D Page 3
Report Date: 31-May-2007 14:42

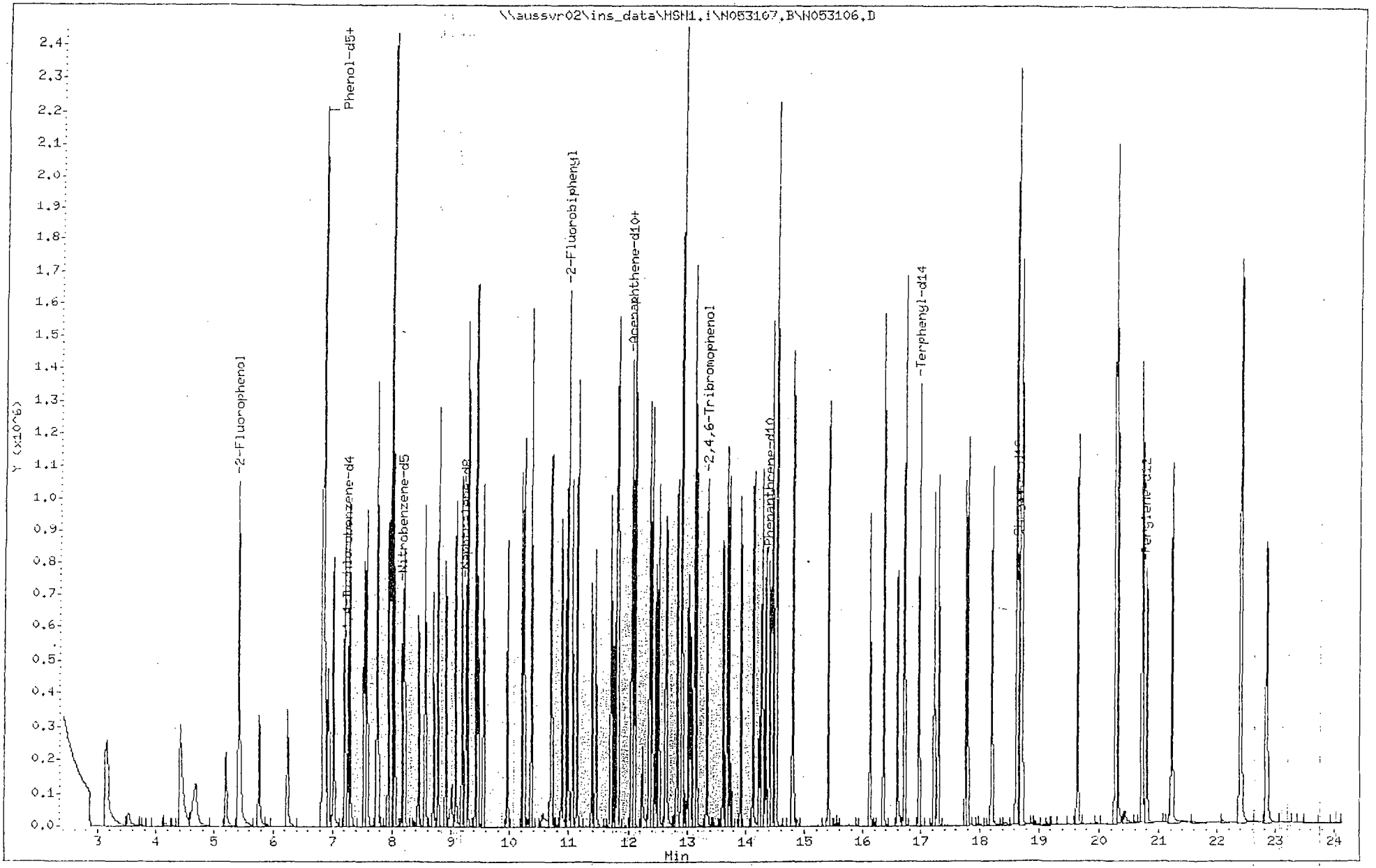
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.715	13.715	(0.952)	148608	75.0000	79.682	
90 Pentachlorophenol	266	14.233	14.233	(0.988)	59489	75.0000	96.911	
91 Pronamide	173	14.276	14.276	(0.991)	257871	75.0000	73.622	
92 Pentachloronitrobenzene	295	14.341	14.341	(0.996)	32225	75.0000	74.358	
94 Phenanthrene	178	14.443	14.443	(1.003)	860934	75.0000	72.168	
95 Anthracene	178	14.513	14.513	(1.007)	874808	75.0000	72.077	
96 Dinoseb	211	14.513	14.513	(1.007)	147133	75.0000	86.563	
97 Carbazole	167	14.799	14.799	(1.027)	824269	75.0000	73.124	
98 Di-n-Butylphthalate	149	15.409	15.409	(1.070)	954746	75.0000	72.436	
101 Isodrin	193	16.116	16.116	(1.119)	95448	75.0000	73.407	
102 Fluoranthene	202	16.353	16.353	(1.136)	950745	75.0000	71.273	
103 Benzidine	184	16.590	16.590	(0.889)	443055	75.0000	84.078	
104 Pyrene	202	16.709	16.709	(0.896)	973174	75.0000	71.126	
106 4-Dimethylaminoazobenzene	120	17.222	17.222	(0.923)	258645	75.0000	74.072	
107 Chlorobenzilate	251	17.297	17.297	(0.927)	271479	75.0000	73.586	
109 3,3'-Dimethylbenzidine	212	17.767	17.767	(0.952)	550307	75.0000	74.775	
110 Butylbenzylphthalate	149	17.799	17.799	(0.954)	418697	75.0000	72.192	
111 2-Acetylaminofluorene	181	18.215	18.215	(0.976)	380916	75.0000	76.122	
112 3,3'-Dichlorobenzidine	252	18.625	18.625	(0.998)	329168	75.0000	72.411	
113 Benzo(a)anthracene	228	18.630	18.630	(0.999)	882499	75.0000	70.221	
115 bis(2-Ethylhexyl)phthalate	149	18.722	18.722	(1.003)	563329	75.0000	72.699	
116 Chrysene	228	18.700	18.700	(1.002)	832550	75.0000	72.248	
117 Di-n-octylphthalate	149	19.644	19.644	(0.944)	920526	75.0000	73.729	
118 7,12-Dimethylbenz(a)anthracen	256	20.286	20.286	(0.975)	375900	75.0000	73.315	
119 Benzo(b)fluoranthene	252	20.276	20.276	(0.975)	875192	75.0000	69.562	
120 Benzo(k)fluoranthene	252	20.313	20.313	(0.977)	947334	75.0000	71.725	
121 Benzo(a)pyrene	252	20.729	20.729	(0.997)	809278	75.0000	71.914	
123 3-MethylCholanthrene	268	21.225	21.225	(1.020)	388610	75.0000	73.484	
125 Indeno(1,2,3-cd)pyrene	276	22.396	22.396	(1.077)	877235	75.0000	71.212	
126 Dibenz(a,h)anthracene	278	22.396	22.396	(1.077)	711276	75.0000	70.600	
127 Benzo(g,h,i)perylene	276	22.838	22.838	(1.098)	738435	75.0000	72.717	
M 176 Diallate (total)	234				119714	75.0000	75.087	

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053106.D
Date : 31-MAY-2007 14:18
Client ID: HSL_075
Sample Info: Icalib_4;HSL_075;;1;4;3;;;; 06MSSV443

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 1
Report Date: 31-May-2007 15:21

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D
Lab Smp Id: Icalib_5 Client Smp ID: HSL_100
Inj Date : 31-MAY-2007 14:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;HSL_100;;1;5;3;;;; 06MSSV444
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.M
Meth Date : 31-May-2007 15:21 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 14:48 Cal File: N053107.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	135945	40.0000		REV
* 40 Naphthalene-d8	136	9.256	9.253	(1.000)	527133	40.0000		REV
* 64 Acenaphthene-d10	164	12.062	12.056	(1.000)	294601	40.0000		REV
* 93 Phenanthrene-d10	188	14.409	14.405	(1.000)	535140	40.0000		REV
* 114 Chrysene-d12	240	18.666	18.657	(1.000)	474116	40.0000		REV
* 122 Perylene-d12	264	20.808	20.799	(1.000)	426941	40.0000		REV
$ 6 2-Fluorophenol	112	5.415	5.411	(0.745)	929758	200.000	192.62	REV
$ 12 Phenol-d5	99	6.855	6.846	(0.944)	1124643	200.000	191.54	REV
$ 82 2,4,6-Tribromophenol	330	13.351	13.342	(0.927)	229600	200.000	199.72	REV
$ 29 Nitrobenzene-d5	82	8.188	8.184	(0.885)	483753	100.000	95.500	REV
$ 54 2-Fluorobiphenyl	172	10.988	10.985	(0.911)	956990	100.000	95.154	REV
$ 105 Terphenyl-d14	244	16.972	16.968	(0.909)	937506	100.000	92.470	REV
1 Pyridine	79	3.111	3.118	(0.428)	453627	100.000	95.406	REV
2 N-Nitrosodimethylamine	74	3.159	3.161	(0.435)	262911	100.000	95.682	REV
3 2-Picoline	93	4.406	4.408	(0.606)	524412	100.000	96.007	REV
4 N-Nitrosomethylethylamine	88	4.675	4.672	(0.644)	242500	100.000	96.973	REV
5 Methyl methanesulfonate	80	5.199	5.190	(0.716)	255527	100.000	92.557	REV
7 N-Nitrosodiethylamine	102	5.765	5.762	(0.794)	239848	100.000	99.483	REV
8 Ethyl methanesulfonate	79	6.251	6.242	(0.860)	349786	100.000	97.226	REV
9 Pentachloroethane	117	6.823	6.825	(0.939)	163434	100.000	96.272	REV
10 Aniline	93	6.855	6.852	(0.944)	711105	100.000	95.385	REV
11 bis(2-Chloroethyl)ether	93	6.936	6.933	(0.955)	472345	100.000	97.789	REV
13 Phenol	94	6.871	6.862	(0.946)	679450	100.000	98.435	REV
14 2-Chlorophenol	128	7.022	7.019	(0.967)	498800	100.000	96.475	REV
15 1,3-Dichlorobenzene	146	7.211	7.208	(0.993)	519521	100.000	94.856	REV
16 1,4-Dichlorobenzene	146	7.292	7.289	(1.004)	543426	100.000	95.601	REV
18 1,2-Dichlorobenzene	146	7.578	7.580	(1.043)	501393	100.000	95.161	REV
19 Benzyl Alcohol	108	7.546	7.537	(1.039)	316353	100.000	99.237	REV
20 bis(2-Chloroisopropyl)ether	45	7.751	7.747	(1.067)	534126	100.000	93.786	REV
21 2-Methylphenol	108	7.756	7.753	(1.068)	438708	100.000	97.127	REV
22 Acetophenone	105	7.950	7.947	(1.094)	647293	100.000	97.633	REV
23 N-Nitroso-di-n-propylamine	70	7.999	7.985	(1.101)	326013	100.000	93.233	REV
24 N-Nitrosopyrrolidine	100	7.983	7.969	(1.099)	229790	100.000	95.805	REV

6-1-7
6-5-07

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 2
Report Date: 31-May-2007 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	7.999	7.990	(1.101)	934588	200.000	190.90(Q)	REV
27 o-Toluidine	106	8.021	8.017	(1.104)	727399	100.000	96.906(Q)	REV
28 Hexachloroethane	117	8.042	8.039	(1.107)	195471	100.000	95.962	REV
30 Nitrobenzene	77	8.215	8.211	(0.888)	499271	100.000	94.182	REV
31 N-Nitrosopiperidine	114	8.458	8.449	(0.914)	232352	100.000	97.289	REV
32 Isophorone	82	8.571	8.562	(0.926)	881420	100.000	95.786	REV
33 2-Nitrophenol	139	8.706	8.702	(0.941)	267254	100.000	100.52	REV
34 2,4-Dimethyphenol	107	8.787	8.783	(0.949)	495081	100.000	96.175	REV
35 Bis(2-chloroethoxy)methane	93	8.916	8.913	(0.963)	506373	100.000	96.063	REV
36 2,4-Dichlorophenol	162	9.083	9.080	(0.981)	378399	100.000	97.324	REV
38 1,2,4-Trichlorobenzene	180	9.191	9.188	(0.993)	413229	100.000	94.578	REV
39 Benzoic Acid	122	9.051	9.021	(0.978)	116509	100.000	105.23	REV
41 Naphthalene	128	9.289	9.285	(1.003)	1335054	100.000	93.678	REV
42 4-Chloroaniline	127	9.429	9.425	(1.019)	559386	100.000	95.566	REV
43 2,6-Dichlorophenol	162	9.440	9.436	(1.020)	371660	100.000	95.636	REV
44 Hexachloropropene	213	9.467	9.463	(1.023)	261164	100.000	101.38	REV
45 Hexachlorobutadiene	225	9.558	9.555	(1.033)	240981	100.000	92.720	REV
46 N-Nitroso-di-n-butylamine	84	9.968	9.965	(1.077)	305821	100.000	96.595	REV
47 4-Chloro-3-Methylphenol	107	10.217	10.213	(1.104)	420570	100.000	97.254	REV
48 Safrole	162	10.254	10.251	(1.108)	354212	100.000	97.033	REV
49 2-Methylnaphthalene	142	10.373	10.370	(1.121)	889898	100.000	95.234	REV
50 Hexachlorocyclopentadiene	237	10.724	10.720	(0.889)	101184	100.000	105.27	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.702	10.699	(0.887)	405003	100.000	96.341	REV
52 2,4,6-Trichlorophenol	196	10.886	10.882	(0.902)	255431	100.000	100.49	REV
53 2,4,5-Trichlorphenol	196	10.961	10.958	(0.909)	274398	100.000	101.17	REV
55 2-Chloronaphthalene	127	11.150	11.146	(0.924)	327120	100.000	95.780	REV
56 Isosafrole	162	11.069	11.066	(0.918)	341754	100.000	95.322	REV
57 2-Nitroaniline	65	11.398	11.395	(0.945)	258429	100.000	99.024	REV
58 1,4-Naphthoquinone	158	11.463	11.459	(0.950)	311456	100.000	97.696	REV
59 Dimethylphthalate	163	11.722	11.713	(0.972)	890021	100.000	94.541	REV
60 2,6-Dinitrotoluene	165	11.841	11.837	(0.982)	218032	100.000	95.626	REV
61 1,3-Dinitrobenzene	168	11.781	11.767	(0.977)	173430	100.000	104.30	REV
62 Acenaphthylene	152	11.819	11.815	(0.980)	1348529	100.000	94.558	REV
63 3-Nitroaniline	138	12.073	12.064	(1.001)	249697	100.000	101.00	REV
65 Acenaphthene	153	12.116	12.112	(1.004)	807404	100.000	94.664	REV
66 2,4-Dinitrophenol	184	12.240	12.236	(1.015)	110710	100.000	102.58	REV
67 Dibenzofuran	168	12.369	12.360	(1.025)	1121828	100.000	94.136	REV
68 4-Nitrophenol	109	12.407	12.398	(1.029)	113328	100.000	97.618	REV
69 Pentachlorobenzene	250	12.407	12.404	(1.029)	330680	100.000	94.520	REV
70 2,4-Dinitrotoluene	165	12.477	12.463	(1.034)	292897	100.000	98.790	REV
72 2,3,4,6-tetrachlorophenol	232	12.655	12.652	(1.049)	214289	100.000	106.24	REV
74 Diethylphthalate	149	12.844	12.835	(1.065)	878210	100.000	95.039	REV
75 4-Chlorophenyl-phenylether	204	12.909	12.905	(1.070)	434614	100.000	92.404	REV
76 Fluorene	166	12.920	12.911	(1.071)	872101	100.000	93.690	REV
77 5-Nitro-o-toluidine	152	13.033	13.024	(1.081)	281657	100.000	98.654	REV
78 4,6-Dinitro-2-methylphenol	198	13.130	13.116	(0.911)	163980	100.000	108.00	REV
79 4-Nitroaniline	138	13.082	13.062	(1.085)	233054	100.000	96.795	REV
80 N-Nitrosodiphenylamine/DPA	169	13.141	13.132	(1.089)	791317	100.000	93.215	REV
81 Azobenzene	77	13.168	13.159	(0.914)	997664	100.000	103.10	REV
83 Diallate #1	234	13.626	13.623	(0.946)	140970	100.000		REV
84 4-Bromophenyl-phenylether	248	13.686	13.682	(0.950)	263993	100.000	95.254	REV
85 Phenacetin	108	13.734	13.720	(0.953)	451930	100.000	95.197	REV
86 Diallate #2	234	13.756	13.752	(0.955)	41926	100.000		REV
87 Hexachlorobenzene	284	13.923	13.920	(0.966)	261427	100.000	95.439	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D Page 3
Report Date: 31-May-2007 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.729	13.715	(0.953)	230156	100.000	102.26	REV
90 Pentachlorophenol	266	14.236	14.233	(0.988)	105098	100.000	131.46	REV
91 Pronamide	173	14.285	14.276	(0.991)	383691	100.000	92.906	REV
92 Pentachloronitrobenzene	295	14.349	14.341	(0.996)	48948	100.000	95.242	REV
94 Phenanthrene	178	14.452	14.443	(1.003)	1277328	100.000	91.193	REV
95 Anthracene	178	14.522	14.513	(1.008)	1291257	100.000	90.716	REV
96 Dinoseb	211	14.522	14.513	(1.008)	227884	100.000	109.17	REV
97 Carbazole	167	14.808	14.799	(1.028)	1250707	100.000	93.878	REV
98 Di-n-Butylphthalate	149	15.412	15.409	(1.070)	1436265	100.000	92.509	REV
101 Isodrin	193	16.119	16.116	(1.119)	144838	100.000	94.178	REV
102 Fluoranthene	202	16.357	16.353	(1.135)	1413113	100.000	90.399	REV
103 Benzidine	184	16.594	16.590	(0.889)	640863	100.000	102.09	REV
104 Pyrene	202	16.718	16.709	(0.896)	1449862	100.000	91.351	REV
106 4-Dimethylaminoazobenzene	120	17.225	17.222	(0.923)	392448	100.000	95.828	REV
107 Chlorobenzilate	251	17.301	17.297	(0.927)	407534	100.000	94.495	REV
109 3,3'-Dimethylbenzidine	212	17.770	17.767	(0.952)	787743	100.000	92.104	REV
110 Butylbenzylphthalate	149	17.803	17.799	(0.954)	629939	100.000	93.208	REV
111 2-Acetylaminofluorene	181	18.223	18.215	(0.976)	582101	100.000	98.522	REV
112 3,3'-Dichlorobenzidine	252	18.633	18.625	(0.998)	474126	100.000	90.173	REV
113 Benzo(a)anthracene	228	18.639	18.630	(0.999)	1286851	100.000	88.820	REV
115 bis(2-Ethylhexyl)phthalate	149	18.725	18.722	(1.003)	837552	100.000	92.840	REV
116 Chrysene	228	18.709	18.700	(1.002)	1214585	100.000	90.952	REV
117 Di-n-octylphthalate	149	19.653	19.644	(0.945)	1400098	100.000	95.806	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.295	20.286	(0.975)	549293	100.000	92.318	REV
119 Benzo(b)fluoranthene	252	20.290	20.276	(0.975)	1277499	100.000	88.349	REV
120 Benzo(k)fluoranthene	252	20.322	20.313	(0.977)	1436530	100.000	93.461	REV
121 Benzo(a)pyrene	252	20.732	20.729	(0.996)	1211573	100.000	92.690	REV
123 3-MethylCholanthrene	268	21.234	21.225	(1.020)	592967	100.000	95.797	REV
125 Indeno(1,2,3-cd)pyrene	276	22.410	22.396	(1.077)	1311010	100.000	91.820	REV
126 Dibenz(a,h)anthracene	278	22.410	22.396	(1.077)	1063111	100.000	91.183	REV
127 Benzo(g,h,i)perylene	276	22.858	22.838	(1.099)	1109271	100.000	93.790	REV
M 176 Diallate (total)	234				182896	100.000		

QC Flag Legend

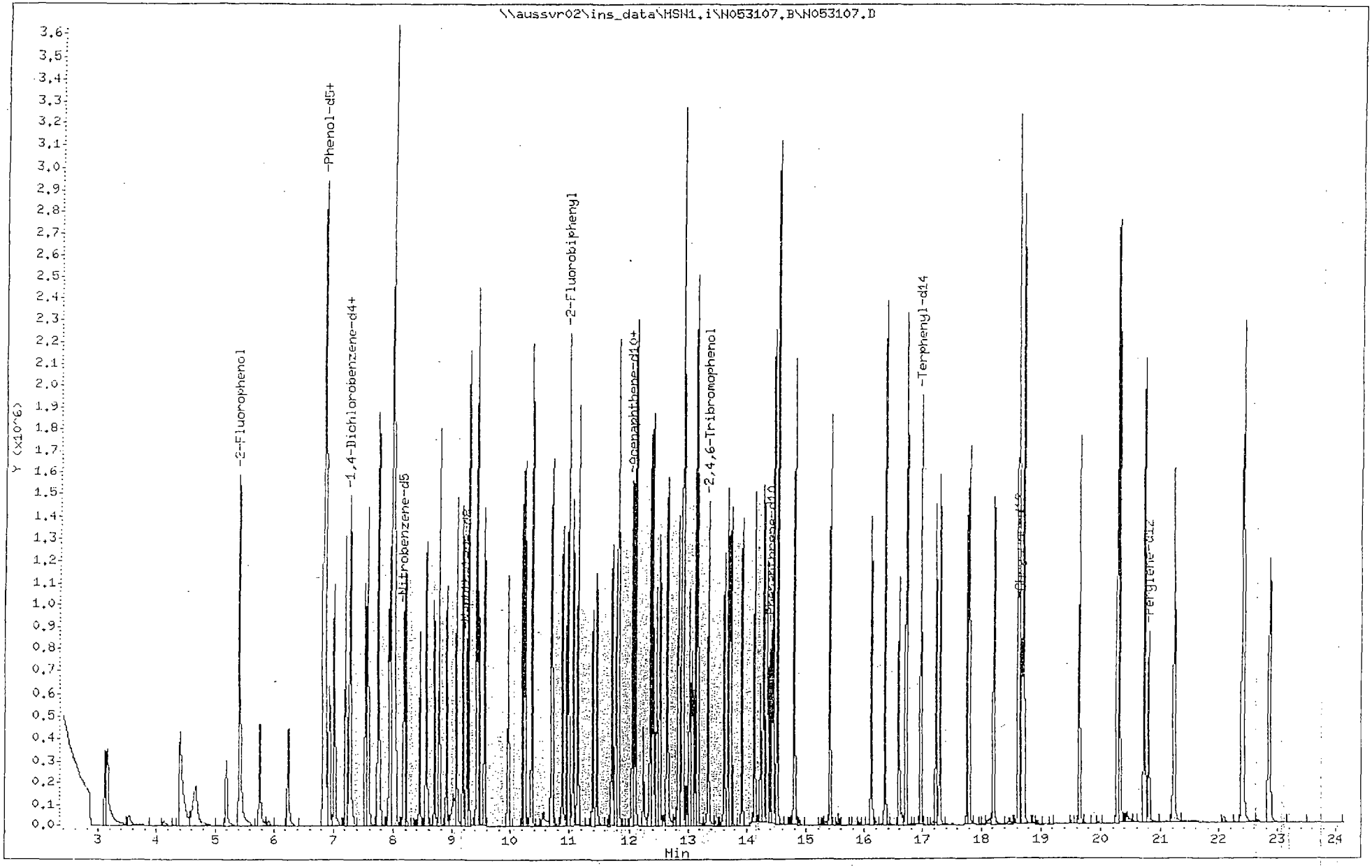
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053107.D
Date : 31-MAY-2007 14:48
Client ID: HSL_100
Sample Info: Icalib_5;HSL_100;;1;5;3;;;; 06MSSV444

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 1
Report Date: 31-May-2007 15:47

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D
Lab Smp Id: Icalib_6 Client Smp ID: HSL_120
Inj Date : 31-MAY-2007 15:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;HSL_120;;1;6;3;;;; 06MSSV445
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 15:47 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 15:18 Cal File: N053108.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.268	7.268	(1.000)	140848	40.0000		REV
* 40 Naphthalene-d8	136	9.259	9.253	(1.000)	552229	40.0000		REV
* 64 Acenaphthene-d10	164	12.059	12.059	(1.000)	307082	40.0000		REV
* 93 Phenanthrene-d10	188	14.412	14.406	(1.000)	563226	40.0000		REV
* 114 Chrysene-d12	240	18.669	18.657	(1.000)	499356	40.0000		REV
* 122 Perylene-d12	264	20.805	20.799	(1.000)	466141	40.0000		REV
$ 6 2-Fluorophenol	112	5.423	5.412	(0.746)	1149942	240.000	231.56	REV
$ 12 Phenol-d5	99	6.864	6.847	(0.944)	1397229	240.000	231.34	REV
$ 82 2,4,6-Tribromophenol	330	13.354	13.343	(0.927)	288087	240.000	238.41	REV
$ 29 Nitrobenzene-d5	82	8.196	8.185	(0.885)	602966	120.000	114.64	REV
$ 54 2-Fluorobiphenyl	172	10.991	10.985	(0.911)	1174544	120.000	113.29	REV
$ 105 Terphenyl-d14	244	16.975	16.969	(0.909)	1150137	120.000	109.58	REV
1 Pyridine	79	3.108	3.118	(0.428)	562195	120.000	115.06	REV
2 N-Nitrosodimethylamine	74	3.162	3.162	(0.435)	325207	120.000	115.16	REV
3 2-Picoline	93	4.403	4.408	(0.606)	649147	120.000	115.56	REV
4 N-Nitrosomethylethylamine	88	4.673	4.672	(0.643)	302102	120.000	117.15	REV
5 Methyl methanesulfonate	80	5.202	5.190	(0.716)	314367	120.000	111.47	REV
7 N-Nitrosodiethylamine	102	5.768	5.762	(0.794)	299381	120.000	119.88	REV
8 Ethyl methanesulfonate	79	6.254	6.242	(0.860)	438387	120.000	118.00	REV
9 Pentachloroethane	117	6.826	6.825	(0.939)	201288	120.000	115.33	REV
10 Aniline	93	6.858	6.852	(0.944)	878285	120.000	114.71(Q)	REV
11 bis(2-Chloroethyl)ether	93	6.939	6.933	(0.955)	591449	120.000	118.48	REV
13 Phenol	94	6.880	6.863	(0.947)	845572	120.000	118.53(Q)	REV
14 2-Chlorophenol	128	7.025	7.019	(0.967)	620586	120.000	116.52	REV
15 1,3-Dichlorobenzene	146	7.214	7.208	(0.993)	639549	120.000	113.86	REV
16 1,4-Dichlorobenzene	146	7.295	7.289	(1.004)	662688	120.000	113.70	REV
18 1,2-Dichlorobenzene	146	7.581	7.581	(1.043)	616529	120.000	114.06	REV
19 Benzyl Alcohol	108	7.549	7.539	(1.039)	396588	120.000	120.06	REV
20 bis(2-Chloroisopropyl)ether	45	7.754	7.748	(1.067)	655331	120.000	112.46	REV
21 2-Methylphenol	108	7.765	7.753	(1.068)	546240	120.000	117.26	REV
22 Acetophenone	105	7.959	7.947	(1.095)	805201	120.000	117.68	REV
23 N-Nitroso-di-n-propylamine	70	8.013	7.985	(1.102)	395363	120.000	110.80	REV
24 N-Nitrosopyrrolidine	100	7.991	7.969	(1.099)	283133	120.000	114.90	REV

AW 6-1-7
JG 6-5-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 2
Report Date: 31-May-2007 15:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.007	7.991	(1.102)	1137484	240.000	226.74 (Q)	REV
27 o-Toluidine	106	8.029	8.018	(1.105)	898278	120.000	116.23 (Q)	REV
28 Hexachloroethane	117	8.040	8.039	(1.106)	237434	120.000	113.68	REV
30 Nitrobenzene	77	8.223	8.212	(0.888)	619102	120.000	112.81	REV
31 N-Nitrosopiperidine	114	8.466	8.449	(0.914)	290890	120.000	116.87	REV
32 Isophorone	82	8.574	8.563	(0.926)	1099495	120.000	115.00	REV
33 2-Nitrophenol	139	8.709	8.702	(0.941)	336289	120.000	120.62	REV
34 2,4-Dimethyphenol	107	8.795	8.784	(0.950)	613818	120.000	114.81	REV
35 Bis(2-chloroethoxy)methane	93	8.919	8.913	(0.963)	635266	120.000	115.84	REV
36 2,4-Dichlorophenol	162	9.092	9.080	(0.982)	472824	120.000	116.72	REV
38 1,2,4-Trichlorobenzene	180	9.194	9.188	(0.993)	510784	120.000	112.91	REV
39 Benzoic Acid	122	9.076	9.021	(0.980)	158266	120.000	127.48	REV
41 Naphthalene	128	9.292	9.286	(1.003)	1655537	120.000	112.31	REV
42 4-Chloroaniline	127	9.437	9.426	(1.019)	695075	120.000	114.41	REV
43 2,6-Dichlorophenol	162	9.443	9.437	(1.020)	460631	120.000	114.23	REV
44 Hexachloropropene	213	9.470	9.464	(1.023)	321464	120.000	119.27	REV
45 Hexachlorobutadiene	225	9.561	9.555	(1.033)	296202	120.000	110.54	REV
46 N-Nitroso-di-n-butylamine	84	9.977	9.965	(1.077)	377364	120.000	114.77	REV
47 4-Chloro-3-Methylphenol	107	10.220	10.214	(1.104)	518818	120.000	115.40	REV
48 Safrole	162	10.257	10.251	(1.108)	444274	120.000	116.79	REV
49 2-Methylnaphthalene	142	10.376	10.370	(1.121)	1100941	120.000	113.65	REV
50 Hexachlorocyclopentadiene	237	10.727	10.721	(0.889)	146833	120.000	127.58	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.705	10.699	(0.888)	498557	120.000	114.77	REV
52 2,4,6-Trichlorophenol	196	10.889	10.883	(0.903)	317251	120.000	119.78	REV
53 2,4,5-Trichlorphenol	196	10.964	10.958	(0.909)	340251	120.000	120.29	REV
55 2-Chloronaphthalene	127	11.153	11.147	(0.925)	404768	120.000	114.70	REV
56 Isosafrole	162	11.072	11.066	(0.918)	424832	120.000	114.68	REV
57 2-Nitroaniline	65	11.407	11.395	(0.946)	324596	120.000	119.43	REV
58 1,4-Naphthoquinone	158	11.471	11.460	(0.951)	383390	120.000	116.12	REV
59 Dimethylphthalate	163	11.730	11.713	(0.973)	1118730	120.000	114.96	REV
60 2,6-Dinitrotoluene	165	11.849	11.838	(0.983)	272384	120.000	115.47	REV
61 1,3-Dinitrobenzene	168	11.784	11.767	(0.977)	220255	120.000	125.84	REV
62 Acenaphthylene	152	11.827	11.816	(0.981)	1660938	120.000	113.03	REV
63 3-Nitroaniline	138	12.081	12.064	(1.002)	315128	120.000	121.90	REV
65 Acenaphthene	153	12.119	12.113	(1.005)	995497	120.000	113.24	REV
66 2,4-Dinitrophenol	184	12.248	12.237	(1.016)	148358	120.000	123.77	REV
67 Dibenzofuran	168	12.372	12.361	(1.026)	1390567	120.000	113.21	REV
68 4-Nitrophenol	109	12.410	12.399	(1.029)	144355	120.000	119.32	REV
69 Pentachlorobenzene	250	12.410	12.404	(1.029)	406261	120.000	112.75	REV
70 2,4-Dinitrotoluene	165	12.480	12.463	(1.035)	369904	120.000	119.74	REV
72 2,3,4,6-tetrachlorophenol	232	12.664	12.652	(1.050)	267348	120.000	125.90	REV
74 Diethylphthalate	149	12.847	12.836	(1.065)	1109393	120.000	115.95	REV
75 4-Chlorophenyl-phenylether	204	12.917	12.906	(1.071)	523528	120.000	108.78	REV
76 Fluorene	166	12.923	12.911	(1.072)	1061768	120.000	111.06	REV
77 5-Nitro-o-toluidine	152	13.041	13.025	(1.081)	354379	120.000	119.23	REV
78 4,6-Dinitro-2-methylphenol	198	13.139	13.116	(0.912)	206626	120.000	127.66	REV
79 4-Nitroaniline	138	13.095	13.062	(1.086)	298981	120.000	119.27	REV
80 N-Nitrosodiphenylamine/DPA	169	13.149	13.132	(1.090)	979844	120.000	112.18	REV
81 Azobenzene	77	13.171	13.159	(0.914)	1231524	120.000	120.76	REV
83 Diallate #1	234	13.629	13.623	(0.946)	181341	120.000		REV
84 4-Bromophenyl-phenylether	248	13.689	13.683	(0.950)	328106	120.000	113.67	REV
85 Phenacetin	108	13.748	13.721	(0.954)	571756	120.000	115.32	REV
86 Diallate #2	234	13.759	13.753	(0.955)	52359	120.000	(Q)	REV
87 Hexachlorobenzene	284	13.926	13.920	(0.966)	324384	120.000	113.70	REV

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053108.D Page 3
Report Date: 31-May-2007 15:47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.737	13.715	(0.953)	291754	120.000	122.62	REV
90 Pentachlorophenol	266	14.239	14.233	(0.988)	139870	120.000	156.20(A)	REV
91 Pronamide	173	14.293	14.276	(0.992)	476130	120.000	111.15	REV
92 Pentachloronitrobenzene	295	14.358	14.341	(0.996)	61830	120.000	115.22	REV
94 Phenanthrene	178	14.455	14.444	(1.003)	1644546	120.000	112.88	REV
95 Anthracene	178	14.531	14.514	(1.008)	1573582	120.000	107.27	REV
96 Dinoseb	211	14.525	14.514	(1.008)	282391	120.000	127.03	REV
97 Carbazole	167	14.811	14.800	(1.028)	1549617	120.000	111.99	REV
98 Di-n-Butylphthalate	149	15.415	15.409	(1.070)	1758995	120.000	109.52	REV
101 Isodrin	193	16.117	16.116	(1.118)	180480	120.000	112.83	REV
102 Fluoranthene	202	16.360	16.354	(1.135)	1737508	120.000	107.76	REV
103 Benzidine	184	16.597	16.591	(0.889)	810577	120.000	122.16	REV
104 Pyrene	202	16.721	16.710	(0.896)	1782300	120.000	108.64	REV
106 4-Dimethylaminoazobenzene	120	17.234	17.222	(0.923)	483541	120.000	113.35	REV
107 Chlorobenzilate	251	17.304	17.297	(0.927)	504545	120.000	112.47	REV
109 3,3'-Dimethylbenzidine	212	17.773	17.767	(0.952)	931954	120.000	105.89	REV
110 Butylbenzylphthalate	149	17.806	17.800	(0.954)	778785	120.000	111.04	REV
111 2-Acetylaminofluorene	181	18.232	18.215	(0.977)	732198	120.000	118.05	REV
112 3,3'-Dichlorobenzidine	252	18.636	18.625	(0.998)	568500	120.000	105.19	REV
113 Benzo(a)anthracene	228	18.647	18.630	(0.999)	1556002	120.000	104.59	REV
115 bis(2-Ethylhexyl)phthalate	149	18.728	18.722	(1.003)	1008690	120.000	108.24	REV
116 Chrysene	228	18.717	18.701	(1.003)	1460034	120.000	106.19	REV
117 Di-n-octylphthalate	149	19.656	19.645	(0.945)	1728615	120.000	110.12	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.304	20.287	(0.976)	672389	120.000	105.93	REV
119 Benzo(b)fluoranthene	252	20.304	20.276	(0.976)	1640583	120.000	106.29	REV
120 Benzo(k)fluoranthene	252	20.331	20.314	(0.977)	1708417	120.000	104.44(A)	REV
121 Benzo(a)pyrene	252	20.741	20.729	(0.997)	1542218	120.000	109.88	REV
123 3-MethylCholanthrene	268	21.242	21.226	(1.021)	759820	120.000	113.62	REV
125 Indeno(1,2,3-cd)pyrene	276	22.430	22.397	(1.078)	1655556	120.000	108.28	REV
126 Dibenz(a,h)anthracene	278	22.424	22.397	(1.078)	1332677	120.000	106.96	REV
127 Benzo(g,h,i)perylene	276	22.867	22.839	(1.099)	1397116	120.000	110.00	REV
M 176 Diallate (total)	234				233700	120.000	117.57	REV

QC Flag Legend

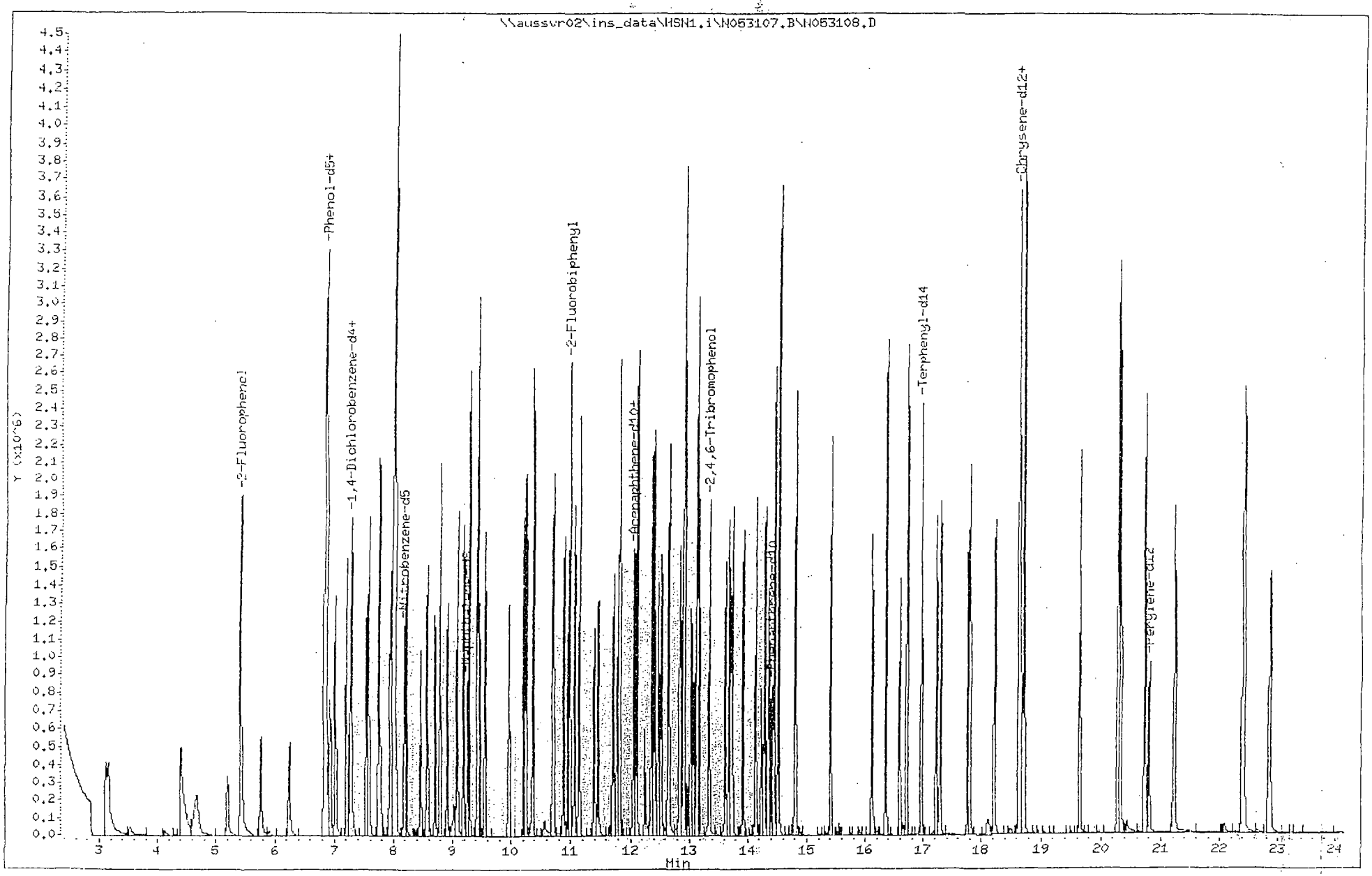
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053108.D
Date : 31-MAY-2007 15:18
Client ID: MSL_120
Sample Info: Icalib_6;MSL_120;;1;6;3;;;; 06MSSV445

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 1
Report Date: 31-May-2007 16:19

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D
Lab Smp Id: Icalib_7 Client Smp ID: HSL_150
Inj Date : 31-MAY-2007 15:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;HSL_150;;1;7;3;;;; 06MSSV446
Misc Info : ; 2-HSL.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N053107.B\N053107M.m
Meth Date : 31-May-2007 16:16 malloym Quant Type: ISTD
Cal Date : 31-MAY-2007 15:48 Cal File: N053109.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-HSL.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.270	7.268	(1.000)	129406	40.0000		REV
* 40 Naphthalene-d8	136	9.261	9.253	(1.000)	507453	40.0000		REV
* 64 Acenaphthene-d10	164	12.061	12.059	(1.000)	280049	40.0000		REV
* 93 Phenanthrene-d10	188	14.419	14.406	(1.000)	516723	40.0000		REV
* 114 Chrysene-d12	240	18.671	18.657	(1.000)	453011	40.0000		REV
* 122 Perylene-d12	264	20.813	20.799	(1.000)	420225	40.0000		REV
$ 6 2-Fluorophenol	112	5.425	5.412	(0.746)	1328931	300.000	292.48	REV
$ 12 Phenol-d5	99	6.871	6.847	(0.945)	1606498	300.000	290.96	REV
$ 82 2,4,6-Tribromophenol	330	13.361	13.343	(0.927)	327835	300.000	296.32	REV
$ 29 Nitrobenzene-d5	82	8.198	8.185	(0.885)	695791	150.000	144.79	REV
$ 54 2-Fluorobiphenyl	172	10.993	10.985	(0.911)	1328120	150.000	141.76	REV
$ 105 Terphenyl-d14	244	16.976	16.969	(0.909)	1292150	150.000	137.58	REV
1 Pyridine	79	3.115	3.118	(0.429)	640666	150.000	143.71	REV
2 N-Nitrosodimethylamine	74	3.169	3.162	(0.436)	374290	150.000	145.05	REV
3 2-Picoline	93	4.405	4.408	(0.606)	741628	150.000	144.56	REV
4 N-Nitrosomethylethylamine	88	4.680	4.672	(0.644)	348154	150.000	147.38	REV
5 Methyl methanesulfonate	80	5.209	5.190	(0.717)	355383	150.000	138.85	REV
7 N-Nitrosodiethylamine	102	5.770	5.762	(0.794)	340344	150.000	148.57	REV
8 Ethyl methanesulfonate	79	6.261	6.242	(0.861)	502729	150.000	147.67	REV
9 Pentachloroethane	117	6.828	6.825	(0.939)	232801	150.000	145.85	REV
10 Aniline	93	6.860	6.852	(0.944)	1008486	150.000	144.27(Q)	REV
11 bis(2-Chloroethyl)ether	93	6.941	6.933	(0.955)	678641	150.000	148.26	REV
13 Phenol	94	6.887	6.863	(0.947)	970580	150.000	148.35(Q)	REV
14 2-Chlorophenol	128	7.027	7.019	(0.967)	719119	150.000	147.39	REV
15 1,3-Dichlorobenzene	146	7.216	7.208	(0.993)	738620	150.000	144.07	REV
16 1,4-Dichlorobenzene	146	7.297	7.289	(1.004)	760809	150.000	143.16	REV
18 1,2-Dichlorobenzene	146	7.583	7.581	(1.043)	710256	150.000	143.97	REV
19 Benzyl Alcohol	108	7.556	7.537	(1.039)	456315	150.000	150.31(A)	REV
20 bis(2-Chloroisopropyl)ether	45	7.756	7.748	(1.067)	747576	150.000	141.02	REV
21 2-Methylphenol	108	7.766	7.753	(1.068)	630279	150.000	147.65	REV
22 Acetophenone	105	7.961	7.947	(1.095)	919179	150.000	146.74	REV
23 N-Nitroso-di-n-propylamine	70	8.020	7.985	(1.103)	438047	150.000	135.74	REV
24 N-Nitrosopyrrolidine	100	8.004	7.969	(1.101)	311241	150.000	139.14(H)	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 2
Report Date: 31-May-2007 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
25 3-(and/or 4-)Methylphenol	108	8.015	7.991	(1.102)	1271786	300.000	279.13(Q)	REV
27 o-Toluidine	106	8.031	8.018	(1.105)	1002038	150.000	142.32(Q)	REV
28 Hexachloroethane	117	8.042	8.039	(1.106)	268262	150.000	141.18	REV
30 Nitrobenzene	77	8.230	8.212	(0.889)	708916	150.000	141.85	REV
31 N-Nitrosopiperidine	114	8.473	8.449	(0.915)	334247	150.000	146.66	REV
32 Isophorone	82	8.581	8.563	(0.927)	1255770	150.000	143.91	REV
33 2-Nitrophenol	139	8.716	8.702	(0.941)	390792	150.000	152.16(A)	REV
34 2,4-Dimethyphenol	107	8.797	8.784	(0.950)	699536	150.000	143.42	REV
35 Bis(2-chloroethoxy)methane	93	8.926	8.913	(0.964)	728759	150.000	145.36	REV
36 2,4-Dichlorophenol	162	9.094	9.080	(0.982)	544072	150.000	146.69	REV
38 1,2,4-Trichlorobenzene	180	9.196	9.188	(0.993)	591074	150.000	143.25	REV
39 Benzoic Acid	122	9.099	9.021	(0.983)	203003	150.000	157.88(A)	REV
41 Naphthalene	128	9.293	9.286	(1.003)	1891181	150.000	141.01	REV
42 4-Chloroaniline	127	9.439	9.426	(1.019)	770406	150.000	139.59	REV
43 2,6-Dichlorophenol	162	9.450	9.437	(1.020)	527808	150.000	143.47	REV
44 Hexachloropropene	213	9.471	9.464	(1.023)	365913	150.000	148.06	REV
45 Hexachlorobutadiene	225	9.563	9.555	(1.033)	337195	150.000	138.63	REV
46 N-Nitroso-di-n-butylamine	84	9.978	9.965	(1.077)	427775	150.000	142.72	REV
47 4-Chloro-3-Methylphenol	107	10.221	10.214	(1.104)	587361	150.000	143.24	REV
48 Safrole	162	10.259	10.251	(1.108)	505819	150.000	145.44	REV
49 2-Methylnaphthalene	142	10.378	10.370	(1.121)	1257651	150.000	142.47	REV
50 Hexachlorocyclopentadiene	237	10.723	10.721	(0.889)	170812	150.000	168.12(A)	REV
51 1,2,4,5-Tetrachlorobenzene	216	10.707	10.699	(0.888)	566888	150.000	144.04	REV
52 2,4,6-Trichlorophenol	196	10.890	10.883	(0.903)	361570	150.000	149.74	REV
53 2,4,5-Trichlorphenol	196	10.966	10.958	(0.909)	392465	150.000	151.84(A)	REV
55 2-Chloronaphthalene	127	11.155	11.147	(0.925)	458694	150.000	143.55	REV
56 Isosafrole	162	11.074	11.066	(0.918)	483543	150.000	144.08	REV
57 2-Nitroaniline	65	11.408	11.395	(0.946)	370371	150.000	149.51	REV
58 1,4-Naphthoquinone	158	11.473	11.460	(0.951)	430274	150.000	143.87	REV
59 Dimethylphthalate	163	11.732	11.713	(0.973)	1322842	150.000	149.19	REV
60 2,6-Dinitrotoluene	165	11.851	11.838	(0.983)	314680	150.000	146.80	REV
61 1,3-Dinitrobenzene	168	11.791	11.767	(0.978)	252558	150.000	157.00(A)	REV
62 Acenaphthylene	152	11.829	11.816	(0.981)	1875915	150.000	141.33	REV
63 3-Nitroaniline	138	12.083	12.064	(1.002)	363998	150.000	153.76(A)	REV
65 Acenaphthene	153	12.120	12.113	(1.005)	1127128	150.000	141.86	REV
66 2,4-Dinitrophenol	184	12.250	12.237	(1.016)	176908	150.000	153.72(A)	REV
67 Dibenzofuran	168	12.374	12.361	(1.026)	1591878	150.000	143.19	REV
68 4-Nitrophenol	109	12.417	12.399	(1.030)	168367	150.000	158.08(A)	REV
69 Pentachlorobenzene	250	12.412	12.404	(1.029)	459377	150.000	141.17	REV
70 2,4-Dinitrotoluene	165	12.487	12.463	(1.035)	429228	150.000	152.02(A)	REV
72 2,3,4,6-tetrachlorophenol	232	12.665	12.652	(1.050)	303317	150.000	155.65(A)	REV
74 Diethylphthalate	149	12.854	12.836	(1.066)	1269489	150.000	146.12	REV
75 4-Chlorophenyl-phenylether	204	12.919	12.906	(1.071)	586648	150.000	135.78	REV
76 Fluorene	166	12.930	12.911	(1.072)	1201351	150.000	139.41	REV
77 5-Nitro-o-toluidine	152	13.049	13.025	(1.082)	396354	150.000	146.76	REV
78 4,6-Dinitro-2-methylphenol	198	13.146	13.116	(0.912)	238126	150.000	158.79(A)	REV
79 4-Nitroaniline	138	13.102	13.062	(1.086)	344891	150.000	150.74(A)	REV
80 N-Nitrosodiphenylamine/DPA	169	13.151	13.132	(1.090)	1125577	150.000	142.48	REV
81 Azobenzene	77	13.178	13.159	(0.914)	1389889	150.000	148.76	REV
83 Diallate #1	234	13.631	13.623	(0.945)	209766	150.000		REV
84 4-Bromophenyl-phenylether	248	13.691	13.683	(0.949)	374614	150.000	142.62	REV
85 Phenacetin	108	13.755	13.721	(0.954)	657812	150.000	145.37	REV
86 Diallate #2	234	13.761	13.753	(0.954)	59673	150.000	(Q)	REV
87 Hexachlorobenzene	284	13.933	13.920	(0.966)	370213	150.000	142.60	REV

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D Page 3
Report Date: 31-May-2007 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
88 1,3,5-Trinitrobenzene	75	13.745	13.715	(0.953)	325895	150.000	149.40	REV
90 Pentachlorophenol	266	14.241	14.233	(0.988)	168184	150.000	194.58(A)	REV
91 Pronamide	173	14.295	14.276	(0.991)	539690	150.000	139.01	REV
92 Pentachloronitrobenzene	295	14.360	14.341	(0.996)	71435	150.000	145.78	REV
94 Phenanthrene	178	14.462	14.444	(1.003)	1862147	150.000	140.75	REV
95 Anthracene	178	14.532	14.514	(1.008)	1775512	150.000	134.24	REV
96 Dinoseb	211	14.527	14.514	(1.007)	325866	150.000	158.30(A)	REV
97 Carbazole	167	14.818	14.800	(1.028)	1763960	150.000	140.43	REV
98 Di-n-Butylphthalate	149	15.417	15.409	(1.069)	1985612	150.000	136.75	REV
101 Isodrin	193	16.124	16.116	(1.118)	205095	150.000	141.14	REV
102 Fluoranthene	202	16.361	16.354	(1.135)	1960130	150.000	134.76	REV
103 Benzidine	184	16.599	16.591	(0.889)	831870	150.000	139.76	REV
104 Pyrene	202	16.723	16.710	(0.896)	2004248	150.000	136.66	REV
106 4-Dimethylaminoazobenzene	120	17.235	17.222	(0.923)	541325	150.000	141.24	REV
107 Chlorobenzilate	251	17.306	17.297	(0.927)	576994	150.000	142.90	REV
109 3,3'-Dimethylbenzidine	212	17.775	17.767	(0.952)	996505	150.000	127.88	REV
110 Butylbenzylphthalate	149	17.807	17.800	(0.954)	886456	150.000	140.76	REV
111 2-Acetylaminofluorene	181	18.239	18.215	(0.977)	828581	150.000	147.64	REV
112 3,3'-Dichlorobenzidine	252	18.644	18.625	(0.999)	621055	150.000	129.55	REV
113 Benzo(a)anthracene	228	18.649	18.630	(0.999)	1730848	150.000	130.96	REV
115 bis(2-Ethylhexyl)phthalate	149	18.730	18.722	(1.003)	1114667	150.000	134.17	REV
116 Chrysene	228	18.719	18.701	(1.003)	1618576	150.000	132.32	REV
117 Di-n-octylphthalate	149	19.658	19.645	(0.945)	1968581	150.000	140.57	REV
118 7,12-Dimethylbenz(a)anthracen	256	20.305	20.287	(0.976)	757411	150.000	134.62	REV
120 Benzo(k)fluoranthene	252	20.338	20.314	(0.977)	1814001	150.000	126.26(A)	REV
121 Benzo(a)pyrene	252	20.742	20.729	(0.997)	1733354	150.000	138.72	REV
123 3-MethylCholanthrene	268	21.244	21.226	(1.021)	856419	150.000	143.15	REV
125 Indeno(1,2,3-cd)pyrene	276	22.437	22.397	(1.078)	1869434	150.000	137.50	REV
126 Dibenz(a,h)anthracene	278	22.431	22.397	(1.078)	1502667	150.000	135.89	REV
127 Benzo(g,h,i)perylene	276	22.874	22.839	(1.099)	1576337	150.000	139.30	REV
M 176 Diallate (total)	234				269439	150.000	148.06	

QC Flag Legend

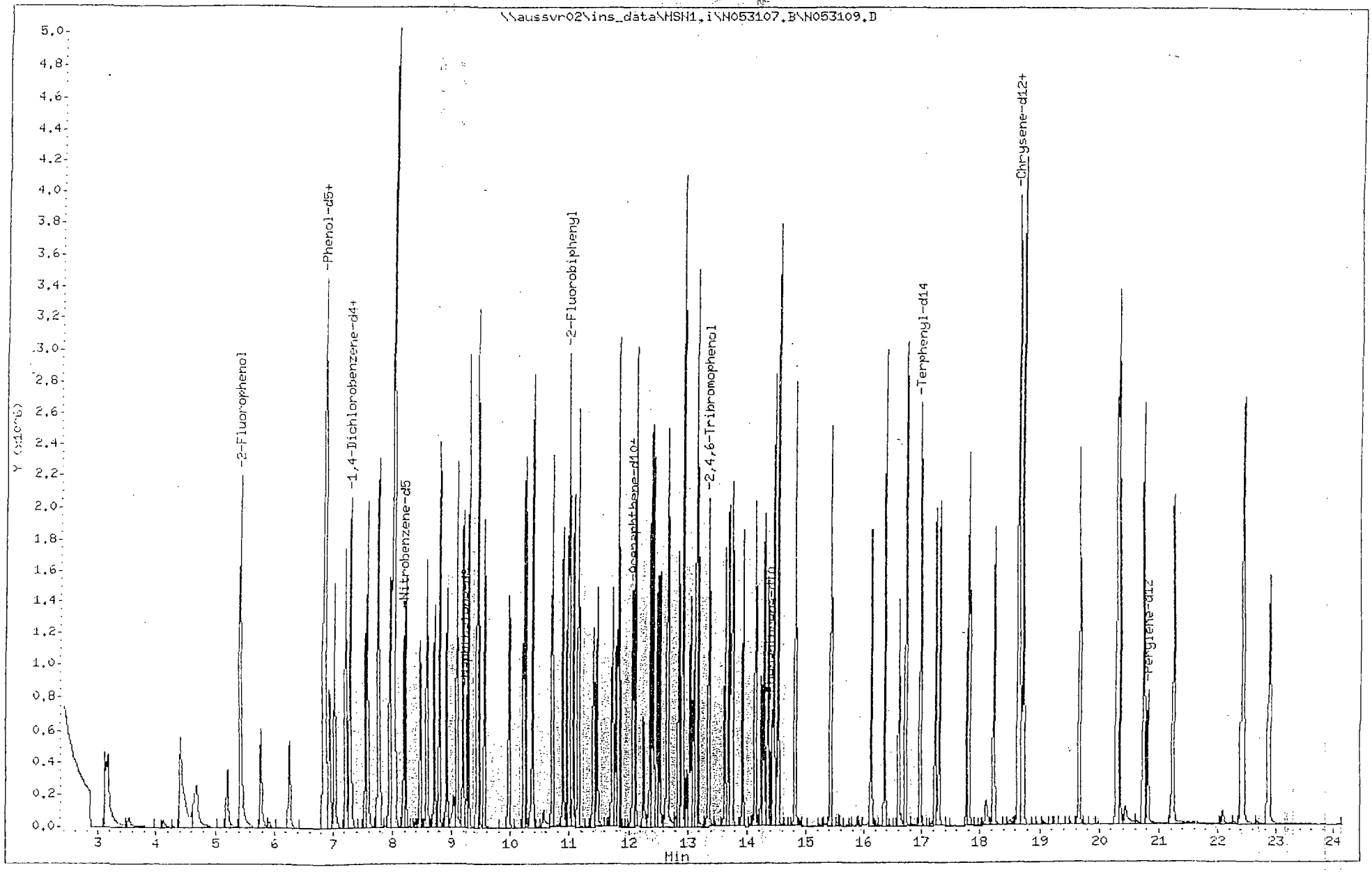
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\aussvr02\ins_data\MSN1.i\N053107.B\N053109.D
Date : 31-MAY-2007 15:48
Client ID: HSL_150
Sample Info: Icalib_7;HSL_150;;1;7;3;;;; 06NSSV446

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Lab Smp Id: Icalib_1 Client Smp ID: APPIX_010
Inj Date : 31-MAY-2007 16:48
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;APPIX_010;;1;1;3;;;; SMAP9IC100001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 19:49 Cal File: N053117.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	155352	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	595718	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.058	(1.000)	343024	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.405	(1.000)	578555	40.0000		REV
* 114 Chrysene-d12	240	18.649	18.652	(1.000)	544790	40.0000		REV
* 122 Perylene-d12	264	20.797	20.799	(1.000)	490040	40.0000		REV
26 N-Nitrosomorpholine	56	7.972	7.985	(1.097)	32418	10.0000	10.728	REV
37 a,a-Dimethylphenethylamine	58	8.991	9.026	(0.972)	97107	10.0000	9.7627	REV
71 1-Naphthylamine	143	12.504	12.517	(1.037)	89002	10.0000	9.5459	REV
73 2-Naphthylamine	143	12.622	12.636	(1.047)	87702	10.0000	9.4409	REV
89 4-Aminobiphenyl	169	14.117	14.130	(0.981)	102869	10.0000	9.4570	REV
99 4-Nitroquinoline-1-oxide	190	15.752	15.754	(1.094)	776	10.0000	17.853	REV
100 Methapyrilene	58	15.865	15.878	(1.102)	52215	10.0000	10.087	REV
129 2-Ethoxyethanol	59	2.484	2.487	(0.342)	28619	10.0000	10.934	REV
130 N,N-Dimethylformamide	73	3.903	3.868	(0.537)	34321	10.0000	9.7827	REV
131 Propyl cellosolve	43	4.227	4.229	(0.582)	49289	10.0000	10.023	REV
132 Acrylamide	55	5.215	5.287	(0.718)	12203	10.0000	8.9606	REV
136 o,o,o-Triethylphosphorothioat	198	8.916	8.924	(0.964)	25903	10.0000	10.122	REV
142 p-Phenylenediamine	108	9.979	9.981	(1.079)	28477	10.0000	11.765	REV
143 1-Methylnaphthalene	142	10.540	10.542	(1.139)	93494	10.0000	10.270	REV
146 Biphenyl	154	11.117	11.125	(0.922)	121480	10.0000	10.586	REV
149 Diphenyl ether	170	11.301	11.303	(0.937)	66732	10.0000	10.444	REV
150 1,4-Dinitrobenzene	168	11.576	11.578	(0.960)	13604	10.0000	(Q)	REV
151 Dimethyl terephthalate	194	12.083	12.091	(1.002)	18936	10.0000	10.337	REV
153 2,3,5,6-Tetrachlorophenol	232	12.574	12.582	(1.043)	14458	10.0000	11.036	REV
154 Thionazin	97	12.946	12.959	(1.074)	20746	10.0000	10.122	REV
155 Sulfotepp	97	13.507	13.515	(0.938)	15045	10.0000	10.178	REV
156 Phorate	75	13.631	13.645	(0.947)	55037	10.0000	10.305	REV
157 Dimethoate	87	13.939	13.963	(0.968)	33669	10.0000	11.412	REV
158 Disulfoton	88	14.462	14.470	(1.004)	45269	10.0000	10.191	REV
159 Methyl parathion	109	15.077	15.085	(1.047)	27432	10.0000	10.935	REV
160 Parathion	109	15.703	15.711	(1.091)	17661	10.0000	9.5534	REV
161 Aramite #1	185	16.955	16.963	(0.909)	6370	10.0000		REV

6-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.079	17.081	(0.916)	11957	10.0000		REV
163 Famphur	218	17.737	17.740	(0.951)	30985	10.0000	212.22(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.601	18.608	(0.997)	12385	10.0000	9.8906	REV
167 Dibenz(a,j)acridine	279	22.070	22.078	(1.061)	102662	10.0000	9.8845	REV
173 1-Methyl-2-pyrrolidone	99	7.626	7.623	(1.050)	32319	10.0000	10.090	REV
M 177 Aramite (total)	185				18327	10.0000		

QC Flag Legend

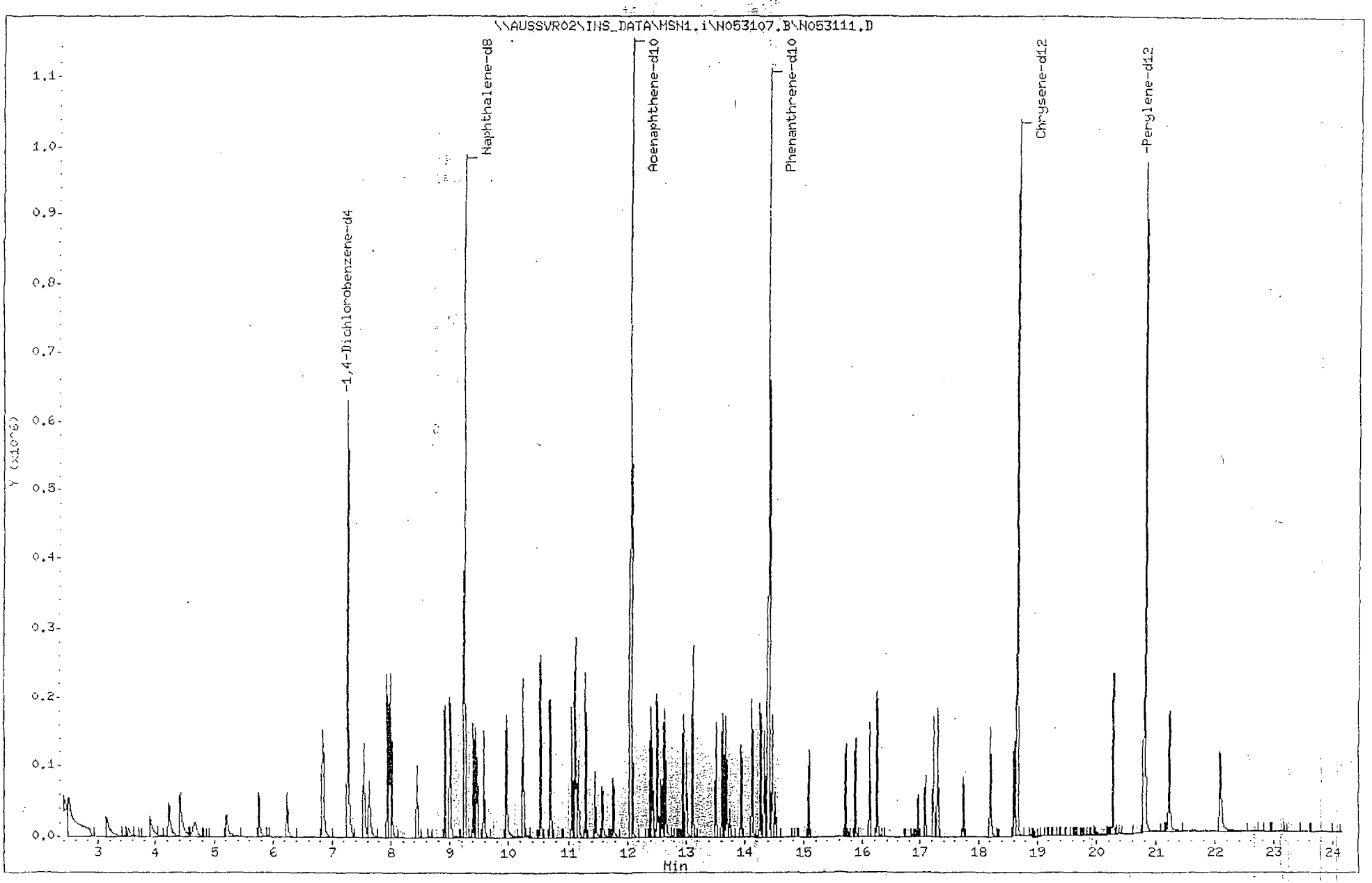
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053111.D
Date : 31-MAY-2007 16:48
Client ID: APPIX_010
Sample Info: Icalib_1;APPIX_010;;1;1;3;;;; SMAP9IC100001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mailoym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Lab Smp Id: Icalib_2 Client Smp ID: APPIX_020
Inj Date : 31-MAY-2007 17:18
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;APPIX_020;;1;2;3;;;; SMAP9IC200001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 16:48 Cal File: N053111.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.266	7.267	(1.000)	146904	40.0000		REV
* 40 Naphthalene-d8	136	9.251	9.253	(1.000)	562104	40.0000		REV
* 64 Acenaphthene-d10	164	12.057	12.058	(1.000)	333139	40.0000		REV
* 93 Phenanthrene-d10	188	14.398	14.405	(1.000)	548252	40.0000		REV
* 114 Chrysene-d12	240	18.650	18.652	(1.000)	506536	40.0000		REV
* 122 Perylene-d12	264	20.798	20.799	(1.000)	456465	40.0000		REV
26 N-Nitrosomorpholine	56	7.972	7.985	(1.097)	61881	20.0000	21.656	REV
37 a,a-Dimethylphenethylamine	58	8.992	9.026	(0.972)	206916	20.0000	22.046	REV
71 1-Naphthylamine	143	12.505	12.517	(1.037)	179131	20.0000	19.783	REV
73 2-Naphthylamine	143	12.623	12.636	(1.047)	175219	20.0000	19.421	REV
89 4-Aminobiphenyl	169	14.118	14.130	(0.981)	195150	20.0000	18.932	REV
99 4-Nitroquinoline-1-oxide	190	15.753	15.754	(1.094)	2596	20.0000	21.588	REV
100 Methapyrilene	58	15.871	15.878	(1.102)	94982	20.0000	20.130	REV
129 2-Ethoxyethanol	59	2.480	2.487	(0.341)	50558	20.0000	20.427	REV
130 N,N-Dimethylformamide	73	3.888	3.868	(0.535)	63571	20.0000	19.162	REV
131 Propyl cellosolve	43	4.228	4.229	(0.582)	96526	20.0000	20.758	REV
132 Acrylamide	55	5.226	5.287	(0.719)	25304	20.0000	19.649	REV
136 o,o,o-Triethylphosphorothioat	198	8.917	8.924	(0.964)	50704	20.0000	20.999	REV
142 p-Phenylenediamine	108	9.969	9.981	(1.078)	83105	20.0000	19.565	REV
143 1-Methylnaphthalene	142	10.541	10.542	(1.139)	179050	20.0000	20.845	REV
146 Biphenyl	154	11.118	11.125	(0.922)	231431	20.0000	20.766	REV
149 Diphenyl ether	170	11.296	11.303	(0.937)	128548	20.0000	20.716	REV
150 1,4-Dinitrobenzene	168	11.577	11.578	(0.960)	28075	20.0000	21.250(Q)	REV
151 Dimethyl terephthalate	194	12.084	12.091	(1.002)	36936	20.0000	20.762	REV
153 2,3,5,6-Tetrachlorophenol	232	12.575	12.582	(1.043)	30816	20.0000	18.901	REV
154 Thionazin	97	12.947	12.959	(1.074)	41447	20.0000	20.823	REV
155 Sulfotepp	97	13.508	13.515	(0.938)	30446	20.0000	21.736	REV
156 Phorate	75	13.632	13.645	(0.947)	108897	20.0000	21.516	REV
157 Dimethoate	87	13.940	13.963	(0.968)	66386	20.0000	23.745	REV
158 Disulfoton	88	14.463	14.470	(1.004)	90877	20.0000	21.588	REV
159 Methyl parathion	109	15.078	15.085	(1.047)	56628	20.0000	23.821	REV
160 Parathion	109	15.704	15.711	(1.091)	37108	20.0000	21.182	REV
161 Aramite #1	185	16.956	16.963	(0.909)	12976	20.0000		REV

6-6-7

Data File: \\AUSSVR02\INS_DATA\MSN1.I\N053107.B\N053112.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.080	17.081	(0.916)	23580	20.0000		REV
163 Famphur	218	17.738	17.740	(0.951)	32578	20.0000	239.99(A)	REV
164 4,4-Methylenebis(2-chloroa	266	18.602	18.608	(0.997)	26341	20.0000	20.934	REV
167 Dibenz(a,j)acridine	279	22.071	22.078	(1.061)	199038	20.0000	20.573	REV
173 1-Methyl-2-pyrrolidone	99	7.622	7.623	(1.049)	61626	20.0000	20.346	REV
M 177 Aramite (total)	185				36556	20.0000		

QC Flag Legend

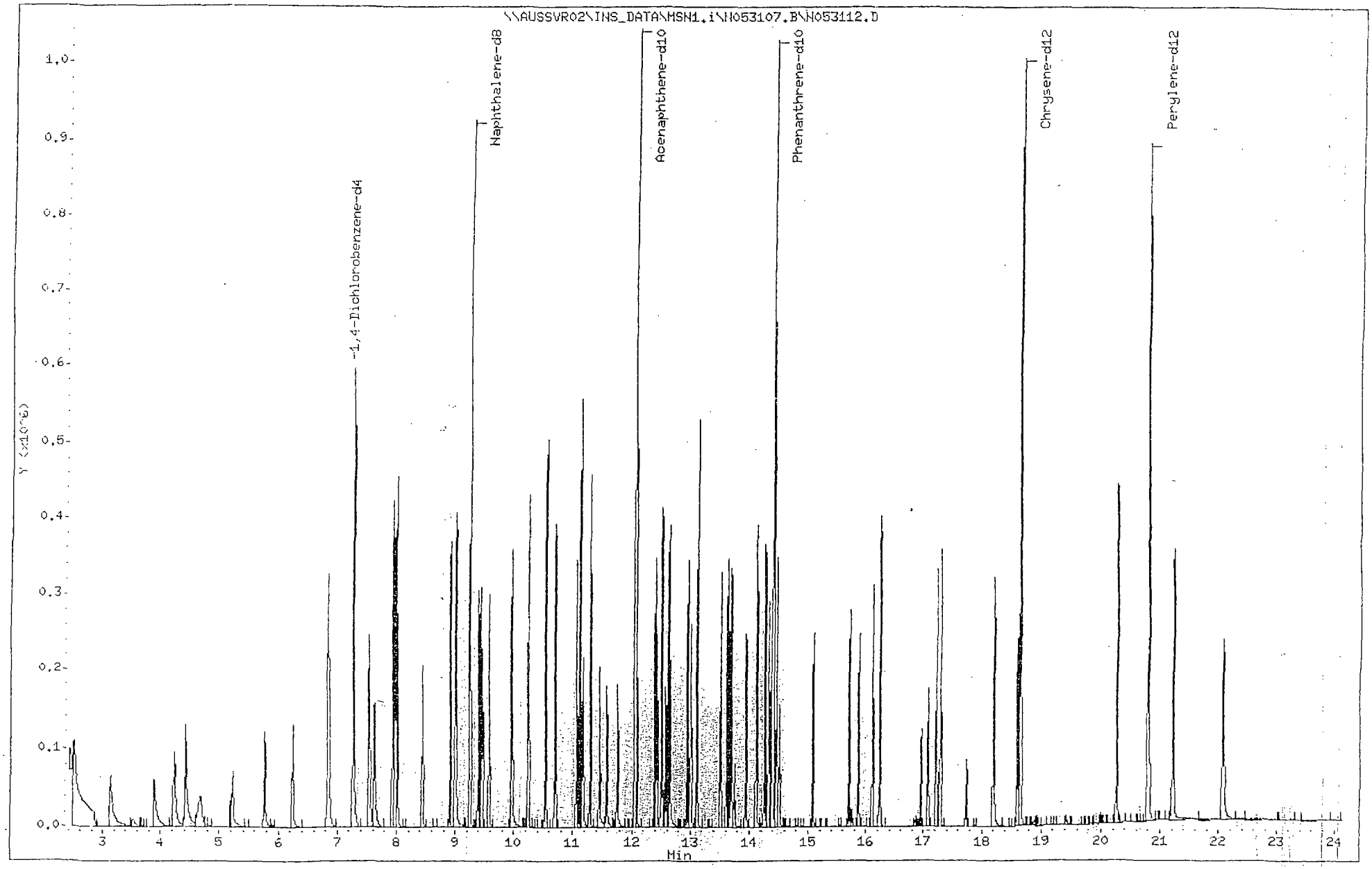
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053112.D
Date : 31-MAY-2007 17:18
Client ID: APPIX_020
Sample Info: Icalib_2;APPIX_020;;1;2;3;;;; SMAP9IC200001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D
Lab Smp Id: Icalib_3 Client Smp ID: APPIX_050
Inj Date : 31-MAY-2007 17:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;APPIX_050;;1;3;3;;;; SMAP9IC300001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 17:18 Cal File: N053112.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.264	7.267	(1.000)	138907	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	521535	40.0000		REV
* 64 Acenaphthene-d10	164	12.055	12.058	(1.000)	297742	40.0000		REV
* 93 Phenanthrene-d10	188	14.402	14.405	(1.000)	506586	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	471470	40.0000		REV
* 122 Perylene-d12	264	20.796	20.799	(1.000)	422504	40.0000		REV
26 N-Nitrosomorpholine	56	7.976	7.985	(1.098)	132478	50.0000	49.032	REV
37 a,a-Dimethylphenethylamine	58	9.007	9.026	(0.974)	455170	50.0000	52.270	REV
71 1-Naphthylamine	143	12.514	12.517	(1.038)	407503	50.0000	50.354	REV
73 2-Naphthylamine	143	12.627	12.636	(1.047)	405120	50.0000	50.242	REV
89 4-Aminobiphenyl	169	14.127	14.130	(0.981)	495034	50.0000	51.975	REV
99 4-Nitroquinoline-1-oxide	190	15.751	15.754	(1.094)	12113	50.0000	42.693	REV
100 Methapyrilene	58	15.875	15.878	(1.102)	182726	50.0000	49.326	REV
129 2-Ethoxyethanol	59	2.484	2.487	(0.342)	114350	50.0000	48.862	REV
130 N,N-Dimethylformamide	73	3.870	3.868	(0.533)	156109	50.0000	49.764	REV
131 Propyl cellosolve	43	4.226	4.229	(0.582)	218730	50.0000	49.746	REV
132 Acrylamide	55	5.262	5.287	(0.724)	59790	50.0000	49.101	REV
136 o,o,o-Triethylphosphorothioat	198	8.920	8.924	(0.964)	107998	50.0000	48.207	REV
142 p-Phenylenediamine	108	9.978	9.981	(1.079)	218644	50.0000	46.329	REV
143 1-Methylnaphthalene	142	10.539	10.542	(1.139)	391253	50.0000	49.093	REV
146 Biphenyl	154	11.122	11.125	(0.923)	502047	50.0000	50.402	REV
149 Diphenyl ether	170	11.300	11.303	(0.937)	278562	50.0000	50.229	REV
150 1,4-Dinitrobenzene	168	11.580	11.578	(0.961)	65405	50.0000	53.712(Q)	REV
151 Dimethyl terephthalate	194	12.088	12.091	(1.003)	79110	50.0000	49.755	REV
153 2,3,5,6-Tetrachlorophenol	232	12.579	12.582	(1.043)	79788	50.0000	46.311	REV
154 Thionazin	97	12.956	12.959	(1.075)	90180	50.0000	50.693	REV
155 Sulfotepp	97	13.512	13.515	(0.938)	65356	50.0000	50.497	REV
156 Phorate	75	13.642	13.645	(0.947)	233421	50.0000	49.913	REV
157 Dimethoate	87	13.954	13.963	(0.969)	133348	50.0000	51.620	REV
158 Disulfoton	88	14.467	14.470	(1.004)	195367	50.0000	50.228	REV
159 Methyl parathion	109	15.082	15.085	(1.047)	116890	50.0000	53.216	REV
160 Parathion	109	15.708	15.711	(1.091)	82957	50.0000	51.249	REV
161 Aramite #1	185	16.960	16.963	(0.909)	30314	50.0000		REV

6-7
JG 6-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.084	17.081	(0.916)	52767	50.0000		REV
163 Famphur	218	17.737	17.740	(0.951)	12906	50.0000	102.14	REV
164 4,4-Methylenebis(2-chloroa	266	18.605	18.608	(0.997)	59062	50.0000	50.430	REV
167 Dibenz(a,j)acridine	279	22.069	22.078	(1.061)	448835	50.0000	50.122	REV
173 1-Methyl-2-pyrrolidone	99	7.620	7.623	(1.049)	136180	50.0000	47.549	REV
M 177 Aramite (total)	185				83081	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053113.D

Date : 31-MAY-2007 17:49

Client ID: APPIX_050

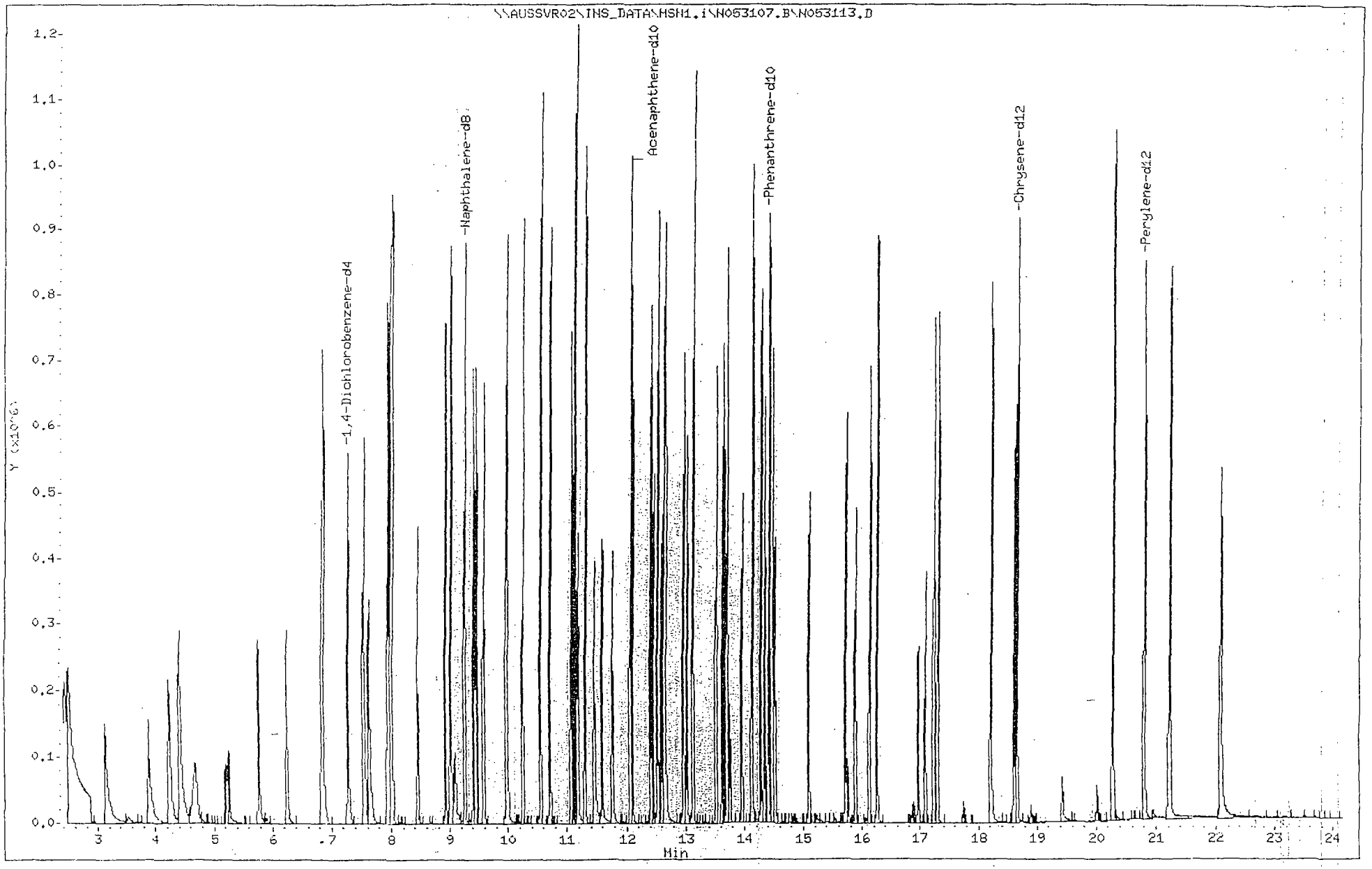
Sample Info: lcalib_3;APPIX_050;;1;3;3;;;; SMAP9IC300001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: mallogm

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Lab Smp Id: Icalib_4 Client Smp ID: APPIX_075
Inj Date : 31-MAY-2007 18:19
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;APPIX_075;;1;4;3;;;; SMAP9IC400001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 17:49 Cal File: N053113.D
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	136160	40.0000		REV
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	519475	40.0000		REV
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	309738	40.0000		REV
* 93 Phenanthrene-d10	188	14.405	14.405	(1.000)	518974	40.0000		REV
* 114 Chrysene-d12	240	18.652	18.652	(1.000)	483194	40.0000		REV
* 122 Perylene-d12	264	20.799	20.799	(1.000)	428407	40.0000		REV
26 N-Nitrosomorpholine	56	7.985	7.985	(1.099)	203233	75.0000	76.736	REV
37 a,a-Dimethylphenethylamine	58	9.026	9.026	(0.976)	689971	75.0000	79.547	REV
71 1-Naphthylamine	143	12.517	12.517	(1.038)	642582	75.0000	76.326	REV
73 2-Naphthylamine	143	12.636	12.636	(1.048)	650747	75.0000	77.579	REV
89 4-Aminobiphenyl	169	14.130	14.130	(0.981)	777521	75.0000	79.686	REV
99 4-Nitroquinoline-1-oxide	190	15.754	15.754	(1.094)	25119	75.0000	69.646	REV
100 Methapyrilene	58	15.878	15.878	(1.102)	254722	75.0000	74.902	REV
129 2-Ethoxyethanol	59	2.487	2.487	(0.342)	169247	75.0000	73.778	REV
130 N,N-Dimethylformamide	73	3.868	3.868	(0.532)	235957	75.0000	76.736	REV
131 Propyl cellosolve	43	4.229	4.229	(0.582)	328150	75.0000	76.137	REV
132 Acrylamide	55	5.287	5.287	(0.728)	93522	75.0000	78.352	REV
136 o,o,o-Triethylphosphorothioat	198	8.924	8.924	(0.964)	167608	75.0000	75.111	REV
142 p-Phenylenediamine	108	9.981	9.981	(1.079)	331932	75.0000	74.004	REV
143 1-Methylnaphthalene	142	10.542	10.542	(1.139)	597849	75.0000	75.314	REV
146 Biphenyl	154	11.125	11.125	(0.923)	773762	75.0000	74.672	REV
149 Diphenyl ether	170	11.303	11.303	(0.937)	431164	75.0000	74.735	REV
150 1,4-Dinitrobenzene	168	11.578	11.578	(0.960)	105459	75.0000	81.240(Q)	REV
151 Dimethyl terephthalate	194	12.091	12.091	(1.003)	123571	75.0000	74.708	REV
153 2,3,5,6-Tetrachlorophenol	232	12.582	12.582	(1.043)	136704	75.0000	73.393	REV
154 Thionazin	97	12.959	12.959	(1.075)	142045	75.0000	76.755	REV
155 Sulfotepp	97	13.515	13.515	(0.938)	101334	75.0000	76.426	REV
156 Phorate	75	13.645	13.645	(0.947)	362372	75.0000	75.638	REV
157 Dimethoate	87	13.963	13.963	(0.969)	189049	75.0000	71.435	REV
158 Disulfoton	88	14.470	14.470	(1.004)	302292	75.0000	75.863	REV
159 Methyl parathion	109	15.085	15.085	(1.047)	169060	75.0000	75.130	REV
160 Parathion	109	15.711	15.711	(1.091)	129570	75.0000	78.135	REV
161 Aramite #1	185	16.963	16.963	(0.909)	46290	75.0000		REV

6-6-07
JG 6-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.081	17.081	(0.916)	80656	75.0000		REV
163 Famphur	218	17.740	17.740	(0.951)	9712	75.0000	75.000	REV
164 4,4-Methylenebis(2-chloroa	266	18.608	18.608	(0.998)	90194	75.0000	75.144	REV
167 Dibenz(a,j)acridine	279	22.078	22.078	(1.061)	699182	75.0000	77.004	REV
173 1-Methyl-2-pyrrolidone	99	7.623	7.623	(1.049)	212951	75.0000	75.855	REV
M 177 Aramite (total)	185				126946	75.0000		

QC Flag Legend

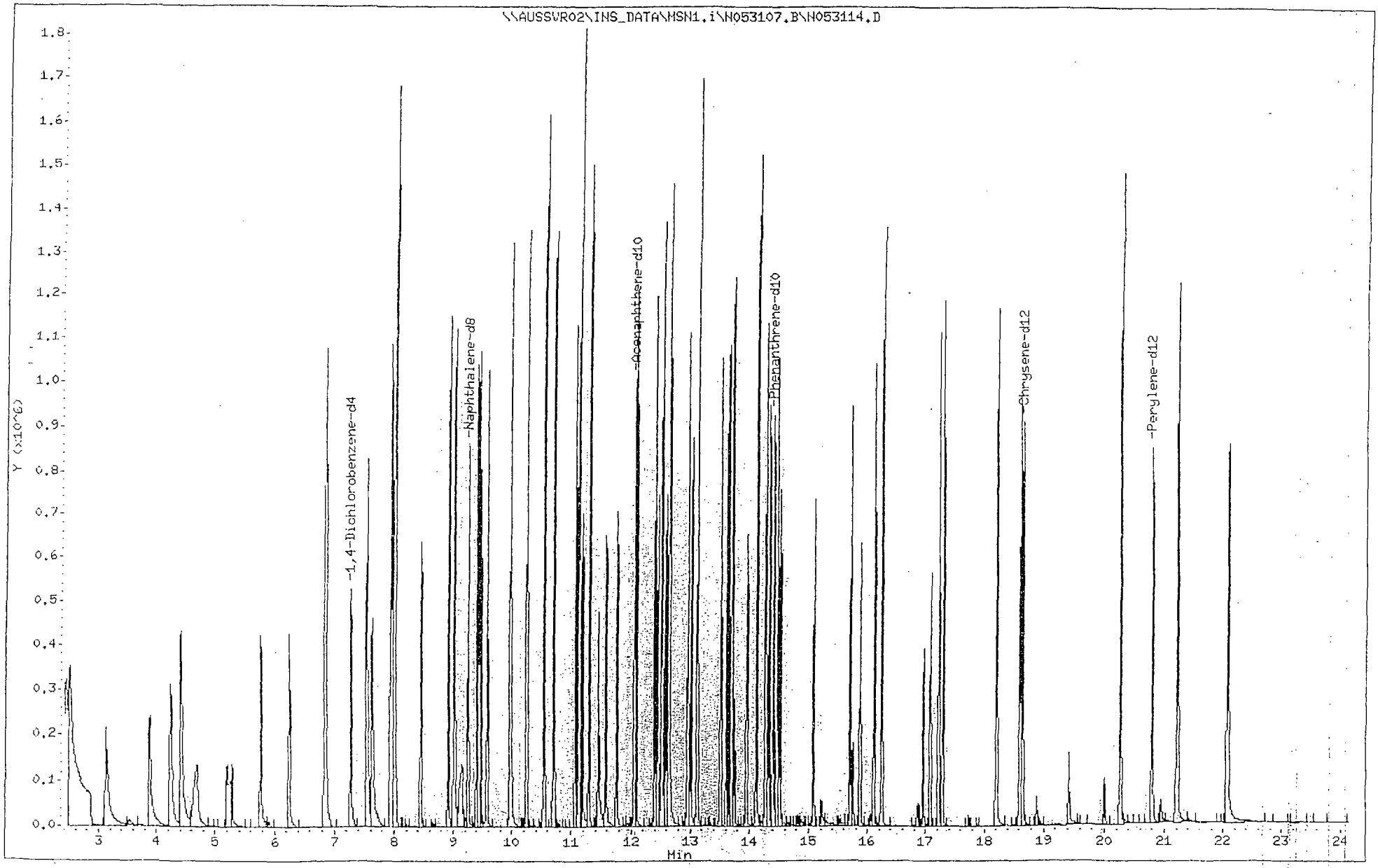
Q - Qualifier signal failed the ratio test.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053114.D
Date : 31-MAY-2007 18:19
Client ID: APPIX_075
Sample Info: Icalib_4;APPIX_075;;1;4;3;;;; SMAP9IC400001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Lab Smp Id: Icalib_5 Client Smp ID: APPIX_100
Inj Date : 31-MAY-2007 18:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;APPIX_100;;1;5;3;;;; SMAP9IC500001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 18:19 Cal File: N053114.D
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	136713	40.0000		REV
* 40 Naphthalene-d8	136	9.250	9.253	(1.000)	521889	40.0000		REV
* 64 Acenaphthene-d10	164	12.056	12.058	(1.000)	309721	40.0000		REV
* 93 Phenanthrene-d10	188	14.408	14.405	(1.000)	526566	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	482802	40.0000		REV
* 122 Perylene-d12	264	20.796	20.799	(1.000)	435113	40.0000		REV
26 N-Nitrosomorpholine	56	7.993	7.985	(1.100)	265918	100.000	99.999	REV
37 a,a-Dimethylphenethylamine	58	9.029	9.026	(0.976)	896356	100.000	102.86	REV
71 1-Naphthylamine	143	12.525	12.517	(1.039)	861433	100.000	102.33	REV
73 2-Naphthylamine	143	12.639	12.636	(1.048)	876090	100.000	104.45	REV
89 4-Aminobiphenyl	169	14.133	14.130	(0.981)	1027115	100.000	103.75	REV
99 4-Nitroquinoline-1-oxide	190	15.757	15.754	(1.094)	39451	100.000	98.834	REV
100 Methapyrilene	58	15.881	15.878	(1.102)	320200	100.000	101.68	REV
129 2-Ethoxyethanol	59	2.490	2.487	(0.343)	225584	100.000	97.939	REV
130 N,N-Dimethylformamide	73	3.866	3.868	(0.532)	312866	100.000	101.34	REV
131 Propyl cellosolve	43	4.232	4.229	(0.583)	431784	100.000	99.777	REV
132 Acrylamide	55	5.306	5.287	(0.730)	124356	100.000	103.76	REV
136 o,o,o-Triethylphosphorothioat	198	8.921	8.924	(0.964)	224215	100.000	100.01	REV
142 p-Phenylenediamine	108	9.984	9.981	(1.079)	438728	100.000	104.13	REV
143 1-Methylnaphthalene	142	10.545	10.542	(1.140)	794020	100.000	99.564	REV
146 Biphenyl	154	11.128	11.125	(0.923)	1017408	100.000	98.191	REV
149 Diphenyl ether	170	11.306	11.303	(0.938)	570687	100.000	98.924	REV
150 1,4-Dinitrobenzene	168	11.586	11.578	(0.961)	144702	100.000	109.20	REV
151 Dimethyl terephthalate	194	12.094	12.091	(1.003)	163182	100.000	98.661	REV
153 2,3,5,6-Tetrachlorophenol	232	12.585	12.582	(1.044)	189919	100.000	100.24	REV
154 Thionazin	97	12.968	12.959	(1.076)	182639	100.000	98.696	REV
155 Sulfotepp	97	13.523	13.515	(0.939)	134555	100.000	100.02	REV
156 Phorate	75	13.647	13.645	(0.947)	474908	100.000	97.698	REV
157 Dimethoate	87	13.966	13.963	(0.969)	233872	100.000	87.098	REV
158 Disulfoton	88	14.473	14.470	(1.004)	400674	100.000	99.103	REV
159 Methyl parathion	109	15.088	15.085	(1.047)	213879	100.000	93.677	REV
160 Parathion	109	15.714	15.711	(1.091)	167850	100.000	99.760	REV
161 Aramite #1	185	16.960	16.963	(0.909)	61062	100.000		REV

6-6-07

6-6-07

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D Page 2
Report Date: 06-Jun-2007 09:02

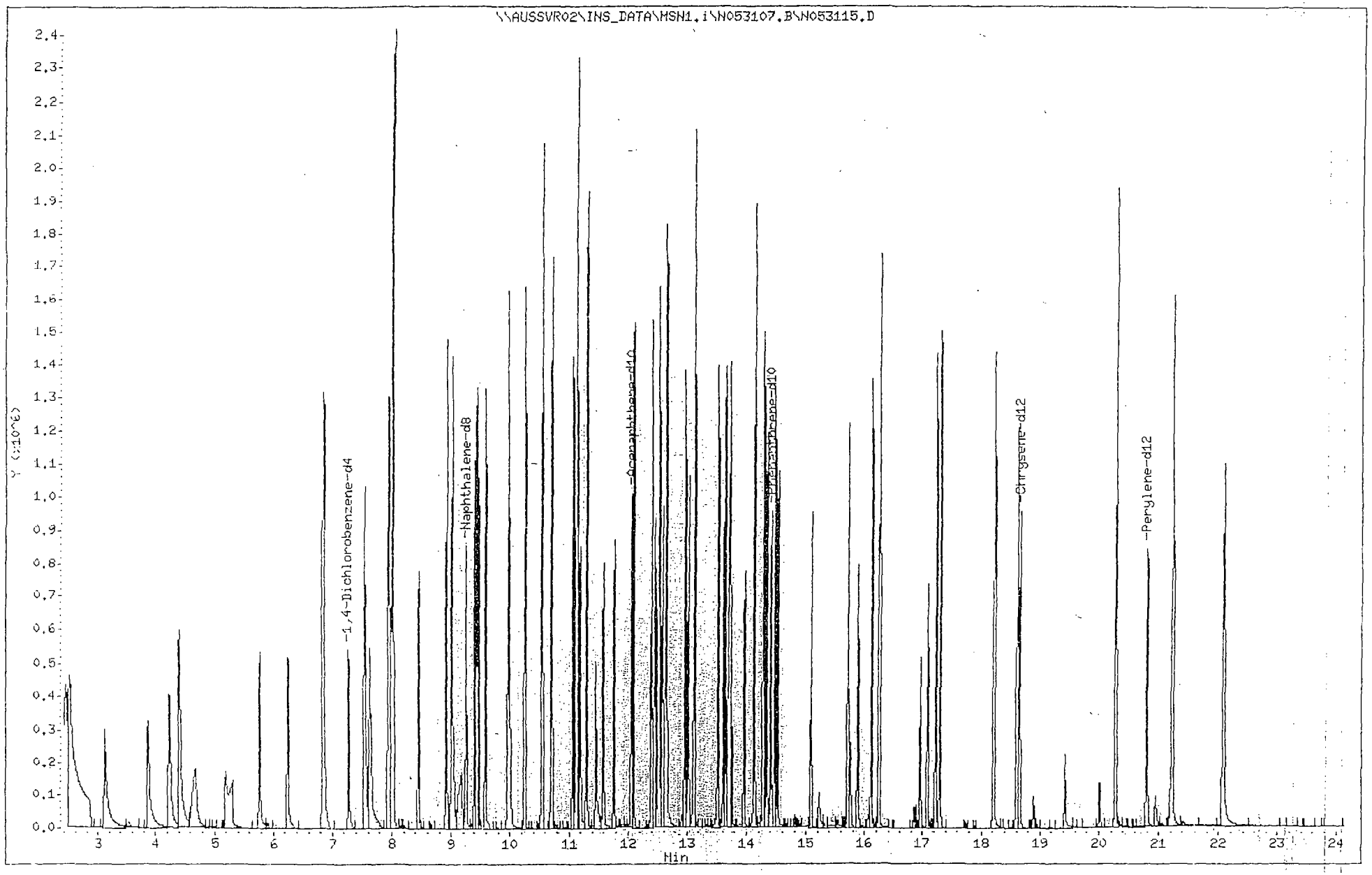
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.084	17.081	(0.916)	105628	100.000		REV
163 Famphur	218	17.737	17.740	(0.951)	8169	100.000	63.136	REV
164 4,4-Methylenebis(2-chloroa	266	18.611	18.608	(0.998)	121063	100.000	100.94	REV
167 Dibenz(a,j)acridine	279	22.081	22.078	(1.062)	914323	100.000	99.146	REV
173 1-Methyl-2-pyrrolidone	99	7.626	7.623	(1.050)	283873	100.000	100.71	REV
M 177 Aramite (total)	185				166690	100.000		

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053115.D
Date : 31-MAY-2007 18:49
Client ID: APPIX_100
Sample Info: Icalib_5;APPIX_100;;1;5;3;;;; SMAP9IC500001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D
Lab Smp Id: Icalib_6 Client Smp ID: APPIX_120
Inj Date : 31-MAY-2007 19:19
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;APPIX_120;;1;6;3;;;; SMAP9IC600001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 18:49 Cal File: N053115.D
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.265	7.267	(1.000)	134578	40.0000		REV
* 40 Naphthalene-d8	136	9.255	9.253	(1.000)	519193	40.0000		REV
* 64 Acenaphthene-d10	164	12.061	12.058	(1.000)	305406	40.0000		REV
* 93 Phenanthrene-d10	188	14.414	14.405	(1.000)	525625	40.0000		REV
* 114 Chrysene-d12	240	18.654	18.652	(1.000)	480480	40.0000		REV
* 122 Perylene-d12	264	20.802	20.799	(1.000)	429012	40.0000		REV
26 N-Nitrosomorpholine	56	7.998	7.985	(1.101)	312784	120.000	119.49	REV
37 a,a-Dimethylphenethylamine	58	9.045	9.026	(0.977)	1035218	120.000	119.42	REV
71 1-Naphthylamine	143	12.525	12.517	(1.038)	1016029	120.000	122.40	REV
73 2-Naphthylamine	143	12.644	12.636	(1.048)	1028324	120.000	124.33(A)	REV
89 4-Aminobiphenyl	169	14.138	14.130	(0.981)	1196663	120.000	121.09	REV
99 4-Nitroquinoline-1-oxide	190	15.762	15.754	(1.094)	50174	120.000	121.43	REV
100 Methapyrilene	58	15.881	15.878	(1.102)	355467	120.000	118.87	REV
129 2-Ethoxyethanol	59	2.490	2.487	(0.343)	266930	120.000	117.73	REV
130 N,N-Dimethylformamide	73	3.865	3.868	(0.532)	373146	120.000	122.78	REV
131 Propyl cellosolve	43	4.238	4.229	(0.583)	503550	120.000	118.21	REV
132 Acrylamide	55	5.322	5.287	(0.733)	147005	120.000	124.61	REV
136 o,o,o-Triethylphosphorothioat	198	8.926	8.924	(0.964)	264963	120.000	118.80	REV
142 p-Phenylenediamine	108	9.995	9.981	(1.080)	497778	120.000	123.88	REV
143 1-Methylnaphthalene	142	10.550	10.542	(1.140)	936775	120.000	118.07	REV
146 Biphenyl	154	11.128	11.125	(0.923)	1199960	120.000	117.44	REV
149 Diphenyl ether	170	11.306	11.303	(0.937)	671225	120.000	118.00	REV
150 1,4-Dinitrobenzene	168	11.586	11.578	(0.961)	173641	120.000	130.49	REV
151 Dimethyl terephthalate	194	12.093	12.091	(1.003)	193855	120.000	118.86	REV
153 2,3,5,6-Tetrachlorophenol	232	12.590	12.582	(1.044)	232153	120.000	123.19	REV
154 Thionazin	97	12.968	12.959	(1.075)	215451	120.000	118.07	
155 Sulfotepp	97	13.523	13.515	(0.938)	152358	120.000	113.45	
156 Phorate	75	13.647	13.645	(0.947)	560884	120.000	115.59	
157 Dimethoate	87	13.971	13.963	(0.969)	262365	120.000	97.884	
158 Disulfoton	88	14.473	14.470	(1.004)	465718	120.000	115.40	
159 Methyl parathion	109	15.088	15.085	(1.047)	242365	120.000	106.34	
160 Parathion	109	15.719	15.711	(1.091)	197351	120.000	117.50	
161 Aramite #1	185	16.960	16.963	(0.909)	72383	120.000		

6-6-7 JG 6-6-6

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.090	17.081	(0.916)	123152	120.000		
163 Famphur	218	17.737	17.740	(0.951)	7379	120.000	57.306	
164 4,4-Methylenebis(2-chloroa	266	18.617	18.608	(0.998)	139886	120.000	117.20	
167 Dibenz(a,j)acridine	279	22.086	22.078	(1.062)	1081889	120.000	118.98	
173 1-Methyl-2-pyrrolidone	99	7.631	7.623	(1.050)	336094	120.000	121.13	
M 177 Aramite (total)	185				195535	120.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053116.D

Date : 31-MAY-2007 19:19

Client ID: APPIX_120

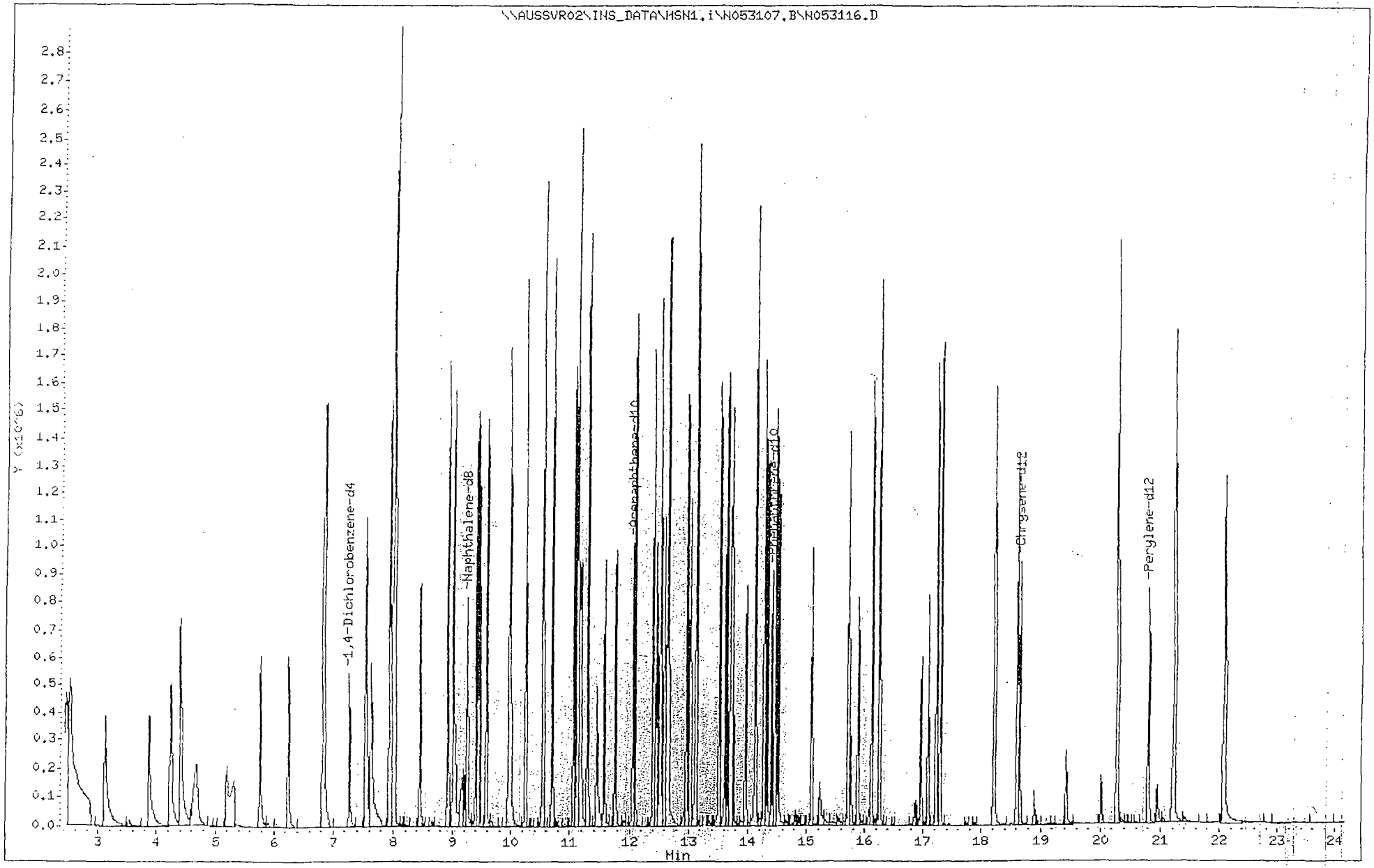
Sample Info: Icalib_6;APPIX_120;;1;6;3;;;; SHAP9IC600001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D Page 1
Report Date: 06-Jun-2007 09:02

STL Austin

Method 8270C Semivolatiles

Data file : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D
Lab Smp Id: Icalib_7 Client Smp ID: APPIX_150
Inj Date : 31-MAY-2007 19:49
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_7;APPIX_150;;1;7;3;;;; SMAP9IC700001
Misc Info : ; 3-AP9.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053107M.M
Meth Date : 06-Jun-2007 09:02 MSN1.i Quant Type: ISTD
Cal Date : 31-MAY-2007 19:19 Cal File: N053116.D
Als bottle: 17 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-AP9.sub
Target Version: 4.14
Processing Host: AUS21324

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.267	7.267	(1.000)	137431	40.0000		REV
* 40 Naphthalene-d8	136	9.253	9.253	(1.000)	527179	40.0000		REV
* 64 Acenaphthene-d10	164	12.058	12.058	(1.000)	318742	40.0000		REV
* 93 Phenanthrene-d10	188	14.416	14.405	(1.000)	536568	40.0000		REV
* 114 Chrysene-d12	240	18.657	18.652	(1.000)	490891	40.0000		REV
* 122 Perylene-d12	264	20.799	20.799	(1.000)	436115	40.0000		REV
26 N-Nitrosomorpholine	56	8.006	7.985	(1.102)	338771	150.000	126.73	
37 a,a-Dimethylphenethylamine	58	9.048	9.026	(0.978)	1045207	150.000	118.74	REV
71 1-Naphthylamine	143	12.528	12.517	(1.039)	1284302	150.000	148.24	REV
73 2-Naphthylamine	143	12.647	12.636	(1.049)	1249510	150.000	144.75(A)	REV
89 4-Aminobiphenyl	169	14.141	14.130	(0.981)	1451381	150.000	143.87	REV
99 4-Nitroquinoline-1-oxide	190	15.765	15.754	(1.094)	66584	150.000	152.95(A)	REV
100 Methapyrilene	58	15.884	15.878	(1.102)	400176	150.000	137.64(A)	REV
129 2-Ethoxyethanol	59	2.498	2.487	(0.344)	334733	150.000	144.57	REV
130 N,N-Dimethylformamide	73	3.863	3.868	(0.532)	469593	150.000	151.30(A)	REV
131 Propyl cellosolve	43	4.240	4.229	(0.584)	630898	150.000	145.03	REV
132 Acrylamide	55	5.341	5.287	(0.735)	184101	150.000	152.81(A)	REV
136 o,o,o-Triethylphosphorothioat	198	8.929	8.924	(0.965)	333571	150.000	147.30	REV
142 p-Phenylenediamine	108	10.003	9.981	(1.081)	568140	150.000	145.33	REV
143 1-Methylnaphthalene	142	10.553	10.542	(1.141)	1166144	150.000	144.76	REV
146 Biphenyl	154	11.136	11.125	(0.923)	1501670	150.000	140.82	REV
149 Diphenyl ether	170	11.308	11.303	(0.938)	842603	150.000	141.92	REV
150 1,4-Dinitrobenzene	168	11.589	11.578	(0.961)	222658	150.000	158.03(A)	REV
151 Dimethyl terephthalate	194	12.096	12.091	(1.003)	245067	150.000	143.98	REV
153 2,3,5,6-Tetrachlorophenol	232	12.593	12.582	(1.044)	301322	150.000	152.12(A)	REV
154 Thionazin	97	12.976	12.959	(1.076)	268083	150.000	140.77	REV
155 Sulfotepp	97	13.526	13.515	(0.938)	189329	150.000	138.11	REV
156 Phorate	75	13.650	13.645	(0.947)	703399	150.000	142.00	REV
157 Dimethoate	87	13.979	13.963	(0.970)	305275	150.000	111.57	REV
158 Disulfoton	88	14.476	14.470	(1.004)	576406	150.000	139.91	REV
159 Methyl parathion	109	15.091	15.085	(1.047)	288398	150.000	123.96	REV
160 Parathion	109	15.722	15.711	(1.091)	242251	150.000	141.30	REV
161 Aramite #1	185	16.963	16.963	(0.909)	88941	150.000		REV

6-6-7
JG

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D Page 2
Report Date: 06-Jun-2007 09:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
162 Aramite #2	185	17.092	17.081	(0.916)	151676	150.000		REV
163 Famphur	218	17.740	17.740	(0.951)	7803	150.000	59.313	REV
164 4,4-Methylenebis(2-chloroa	266	18.619	18.608	(0.998)	176984	150.000	145.14	REV
167 Dibenz(a,j)acridine	279	22.094	22.078	(1.062)	1345892	150.000	145.61	REV
173 1-Methyl-2-pyrrolidone	99	7.634	7.623	(1.050)	422043	150.000	149.23	REV
M 177 Aramite (total)	185				240617	150.000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AUSSVR02\INS_DATA\MSN1.i\N053107.B\N053117.D

Date : 31-MAY-2007 19:49

Client ID: APPIX_150

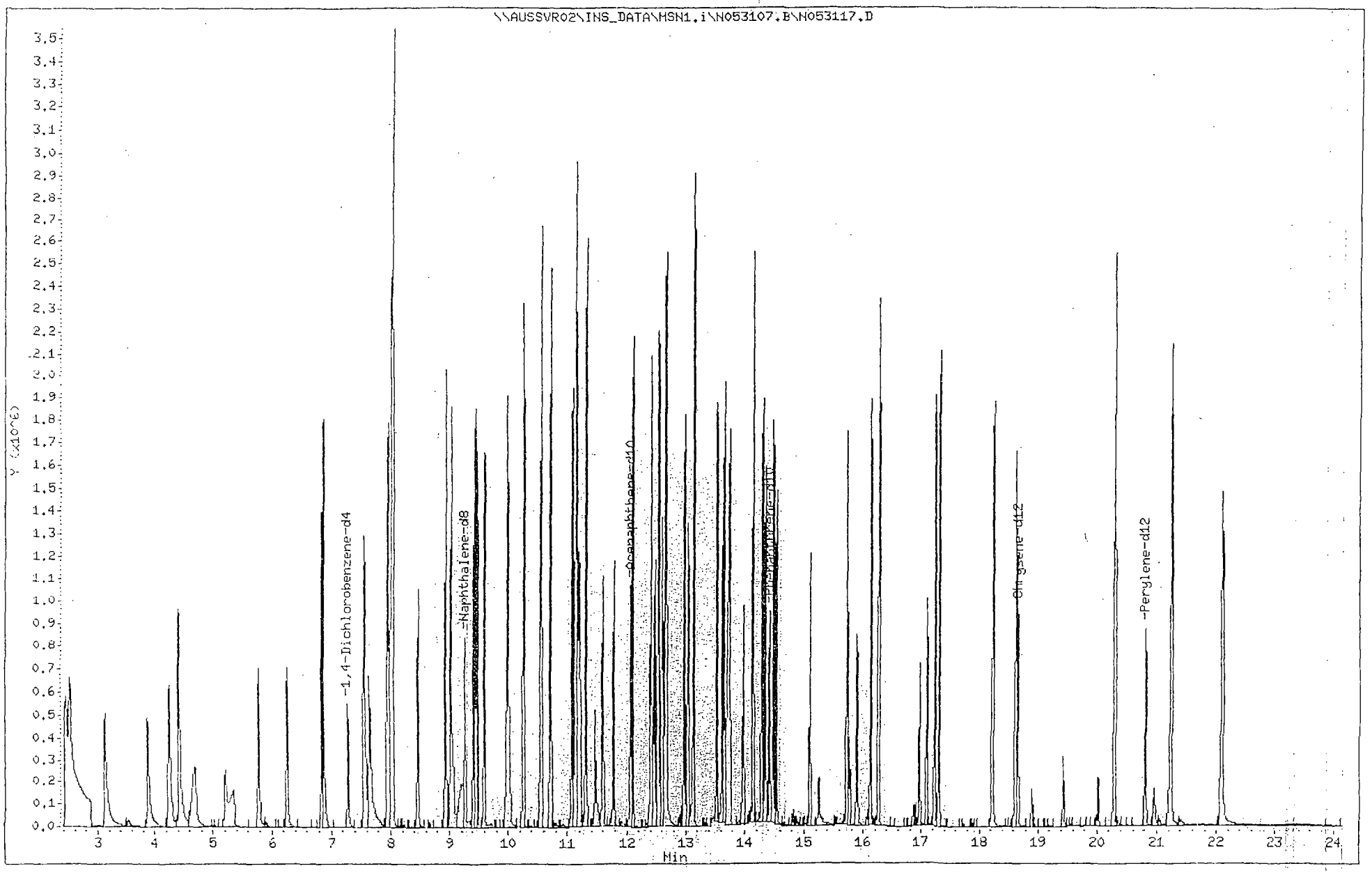
Sample Info: Icalib_7;APPIX_150;;1;7;3;;;; SMAP9IC700001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Report Date : 14-Jun-2007 15:23

STL Austin

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2007 12:44
End Cal Date : 12-JUN-2007 11:54
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Last Edit : 13-Jun-2007 10:37 malloym
Curve Type : Average

Calibration File Names:
Level 1: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Level 2: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Level 3: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Level 4: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Level 5: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Level 6: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Level 7: \\aussvr02\ins_data\MSN1.i\N053107.B\N053117.D

Compound	10.000 Level 1	20.000 Level 2	50.000 Level 3	75.000 Level 4	100.000 Level 5	120.000 Level 6	RRF	% RSD
	150.000 Level 7							
174 Caprolactam	0.11016 +++++	0.10862	0.10406	0.11866	0.11196	0.10658	0.11001	4.596

STL AUSTIN

MS SEMI DATA REVIEW CHECK LIST

Work Order Numbers / Lab Sample Numbers

I7F050254	I7F050316
I7F050121	I7F060169
I7F010127	I7F050295
I7F040219	CAPROLACTUM CUVE
I7F050291	

Method Name/Type: M8270c/625

Instrument ID: MSN1

Analysis Date: 6/12/07

ICAL Date: 5/31/07

Review Item	YES	NO	N/A	2nd Review
Tuning				
DFTPP tuning criteria met	✓			✓
Mass list, RIC, and mass spectrum included	✓			✓
Correct DFTPP included with analytical runs	✓			✓
Tailing (for PCP & Benzidine) and degradation (for DDT) criteria met	✓			✓
Initial Calibration (CAPROLACTUM) ✓				
RRF and %RSD within acceptance limits	✓			✓
Runs checked for saturation	✓			✓
CLP only: surrogates and internal stds. labeled on chromatograms	✓			✓
Second source check standard analyzed successfully	✓			✓
Continuing Calibration				
RRF and % Difference within acceptance criteria	✓			✓
Sample Analysis				
Sample name and header information correct	✓			✓
RRT of identified cmpds. w/i +/-0.06 RRT units of RRT of std.comp.	✓			✓
Ions present in standard spectra with abundance of >10% of base ion present in sample spectra	✓			✓
Surrogate recoveries within limits		✓		✓
Quantified against appropriate standard (see note)	✓			
Run(s) within linear range	✓			✓
Sample hold times met	✓			✓
TCL match	✓			✓
Quality Control Samples				
Method blanks less than reporting limits	✓			
Method blanks analyzed at required frequency	✓			✓
LCS spike % recoveries within limits	✓			✓
MS/MSD spike % recoveries within limits		✓		
MS/MSD/DUPs RPD within limits		✓		✓
Other				
All nonconformances included and noted	✓			
Required forms completed	✓			✓
Correct methodology used	✓			✓
All unused analyses noted on the sequence with the reason?	✓			✓
Transcriptions checked for accuracy	✓			✓
All calculations checked at minimum frequency	✓			✓
Data checked for potential false positive and false negative results	✓			
Manual integration checked by 2nd reviewer	✓			✓
Units checked	✓			✓

Comment on any "NO" response:

Batch 7157509 MS/MSD had several BN analytes recovered low or not detected. LCS OK.
I7F050291-01 – Surr D5-NB high due to matrix interference

Analyst: Mark Malloy Mark Malloy Date: 06/14/07

2nd Review: C [illegible] Date: 6/18/07

INSTRUMENT GCMS-N1 (MSD4) ANALYST / DATE: Mark Malloy 6-12-7
SHIFT (Circle): (1) 2 3 METHOD / TEST: M8270C
COMPUTER CLOCK DATE / TIME: SOP #: AMS MS 0007

DAILY CHECK ✓	INSERT CHANGED cleaned	SEPTA CHANGED N	COLUMN CHANGED ✓	AUTOSAMPLER MAINT.
M. PUMP OIL	TURBO OIL	FILAMENT CHANGE	OTHER	

DAILY CHECK includes sufficient carrier and detector gases, correct column flow/pressure, condition of septa, etc. Glass insert, septa, column and gases changed as needed. Source cleaned as needed. Mechanical pump oil and turbomolecular pump oil changed semiannually (usually on service contract). OTHER is for minor maintenance performed or for reference to Repair Log for major repairs.

MASS SPECTROMETER CONDITIONS:

Tune File: NDFTPP.U
Elect Mult. 1471 volts
Tuning Performance (circle one): DFTPP Autotune Other

Sampling Rate 2^m 1
Scan Range 35-500 amu
Interface (circle one): Direct Jet Separator Other

GC PROGRAM:

GC Meth. N053107M
Inj. Temp. 270 C
Carrier Gas: Helium
Flow/Pressure 3-4 psi 15

Initial Temp. 50 C
Init.Hold 2.75 min
Ramp 15 C/min
Final Temp. 320 C

Final Hold 3.40 min
Other Program or Special Conditions:

GC COLUMN:

Column ID#: MS10#262 (Circle one) Packed Capillary
Phases/Loadings: RTX MS 1.5 i.d. 0.25 mm Length 30 m
Injection Type (Circle & Describe): Purge & Trap
Split Splitless purge

INSTRUMENT SEQUENCE:

Sample Name, Sample Nu

```
Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
      Comment:
     Operator: malloym
    Data Path: D:\MSN1.I\N061207.B\
  Pre-Seq Cmd:
 Post-Seq Cmd:

Method Sections To Run        On A Barcode Mismatch
 (X) Full Method               (X) Inject Anyway
 ( ) Reprocessing Only         ( ) Don't Inject
```

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	N061219	N053107M	~~J0DTN1AF;I7F060169-02;1;0;;1;~~
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	26	N061226	N053107M	~~JX35Q1AC;I7F010127-04;10;0;;2~~
27	Sample	27	N061227	N053107M	J0QDM1AC;I7F110202-02;10;0;;2
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	J0CC31AA;I7F050291-01;1;0;;1;

Sequence Name: D:\MSN1.I\SEQUENCE\N061207.S
Comment:
Operator: malloym
Data Path: D:\MSN1.I\N061207.B\
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	N061201	NDFTPP	DFTPP;DFTPP;;;SMTuneSTK_0001
2	Sample	2	N061202	N053107M	Ccalib_4;HSL_075;;2;4;3;;;; S
3	Sample	3	N061203	N053107M	Ccalib_4;APPIX_075;;2;4;3;;;;
4	Sample	4	N061204	N053107M	Icalib_1;CAP_010;;1;1;3;;;; S
5	Sample	5	N061205	N053107M	Icalib_2;CAP_020;;1;2;3;;;; S
6	Sample	6	N061206	N053107M	Icalib_3;CAP_050;;1;3;3;;;; S
7	Sample	7	N061207	N053107M	Icalib_4;CAP_075;;1;4;3;;;; S
8	Sample	8	N061208	N053107M	Icalib_5;CAP_100;;1;5;3;;;; S
9	Sample	9	N061209	N053107M	Icalib_6;CAP_120;;1;6;3;;;; S
10	Sample	10	N061210	N053107M	SSV_2;CAP_050;;0;0;3;;;; SMCA
11	Sample	11	N061211	N053107M	J0FF11AAB;I7F060000-509;1;0;;
12	Sample	12	N061212	N053107M	J0FF11ACC;I7F060000-509;1;0;;
13	Sample	13	N061213	N053107M	J0A4E1AC;I7F050254-01;1;0;;1;
14	Sample	14	N061214	N053107M	J0A4E1A3S;I7F050254-01S;1;0;;
15	Sample	15	N061215	N053107M	J0A4E1A4D;I7F050254-01S;1;0;;
16	Sample	16	N061216	N053107M	JX9N71AA;I7F050121-01;1;0;;1;
17	Sample	17	N061217	N053107M	J0A5A1AC;I7F050254-03;1;0;;1;
18	Sample	18	N061218	N053107M	J0DTG1AC;I7F060169-01;1;0;;1;
19	Sample	19	N061219	N053107M	~~J0DTN1AP;I7F060169-02;1;0;;1;~~
20	Sample	20	N061220	N053107M	J0P9R1AAB;I7F110000-410;1;0;;
21	Sample	21	N061221	N053107M	J0P9R1ACC;I7F110000-410;1;0;;
22	Sample	22	N061222	N053107M	J0P9R1ADL;I7F110000-410;1;0;;
23	Sample	23	N061223	N053107M	JX3451AC;I7F010127-01;10;0;;2
24	Sample	24	N061224	N053107M	JX35J1AC;I7F010127-02;10;0;;2
25	Sample	25	N061225	N053107M	JX35P1AC;I7F010127-03;10;0;;2
26	Sample	26	~~N061226~~	~~N053107M~~	~~JX35Q1AC;I7F010127-04;10;0;;~~2
27	Sample	27	~~N061227~~	~~N053107M~~	~~J0QDM1AC;I7F110202-02;10;0;;2~~
28	Sample	28	N061228	N053107M	J0FFW1AAB;I7F060000-508;1;0;;
29	Sample	29	N061229	N053107M	J0FFW1ACC;I7F060000-508;1;0;;
30	Sample	30	N061230	N053107M	J0FFW1ADL;I7F060000-508;1;0;;
31	Sample	31	N061231	N053107M	JX80K1AD;I7F040219-01;1;0;;1;
32	Sample	32	N061232	N053107M	JX81C1AE;I7F040224-01;1;0;;1;
33	Sample	33	N061233	N053107M	J0CC31AA;I7F050291-01;1;0;;1;
34	Sample	34	N061234	N053107M	J0CDK1AC;I7F050295-01;1;0;;1;
35	Sample	35	N061235	N053107M	J0CJP1AA;I7F050316-01;1;0;;1;

tune E

CMS 6/26/07

Not used

Not used " " CMS 6/26/07

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

8270C data

Lab Name: STL-AUSTIN Contract:

Lab Code: Case No.: SAS No.: SDG No.: N061207.B

Lab File ID: N061201 DFTPP Injection Date: 06/12/07

Instrument ID: MSN1 DFTPP Injection Time: 0745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.0 (0.1)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.05
441	Present, but less than mass 443	13.0
442	Greater than 40.0% of mass 198	91.3
443	17.0 - 23.0% of mass 442	17.8 (19.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	HSL_075	CCALIB_4	N061202	06/12/07	0804
02	APPIX_075	CCALIB_4	N061203	06/12/07	0856
03	CAP_010	ICALIB_1	N061204	06/12/07	0930
04	CAP_020	ICALIB_2	N061205	06/12/07	0959
05	CAP_050	ICALIB_3	N061206	06/12/07	1028
06	CAP_075	ICALIB_4	N061207	06/12/07	1057
07	CAP_100	ICALIB_5	N061208	06/12/07	1126
08	CAP_120	ICALIB_6	N061209	06/12/07	1154
09	CAP_050	SSV_2	N061210	06/12/07	1223
10	I7F060000-50	J0FF11AAB	N061211	06/12/07	1252
11	I7F060000-50	J0FF11ACC	N061212	06/12/07	1321
12	OMW27B	J0A4E1AC	N061213	06/12/07	1350
13	I7F050254-01	J0A4E1A3S	N061214	06/12/07	1420
14	I7F050254-01	J0A4E1A4D	N061215	06/12/07	1449
15	OUTFALL 003	JX9N71AA	N061216	06/12/07	1518
16	I7F050254-03	J0A5A1AC	N061217	06/12/07	1546
17	MW28A	J0DTG1AC	N061218	06/12/07	1615
18	MW29	J0DTN1AF	N061219	06/12/07	1644
19	I7F110000-41	J0P9R1AAB	N061220	06/12/07	1713
20	I7F110000-41	J0P9R1ACC	N061221	06/12/07	1742
21	I7F110000-41	J0P9R1ADL	N061222	06/12/07	1811
22	OP1 USED OIL	JX3451AC	N061223	06/12/07	1840

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D Page 1
Report Date: 13-Jun-2007 07:36

STL Austin

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061201.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 12-JUN-2007 07:45
Operator : malloym Inst ID: MSN1.i
Smp Info : DFTPP;DFTPP;;;SMTuneSTK_0001
Misc Info : 1,MSSV,,,1,
Comment :
Method : \\AUSSVR02\INS_DATA\MSN1.i\N061207.B\NDFTPP.m
Meth Date : 24-May-2007 13:52 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: AUS21324

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.496	7.803	-0.307	198	280192			0.00- 100.00	100.00
7.496	8.311	-0.815	51	98840			30.00- 60.00	35.28
7.496	8.311	-0.815	68	0	0.0	0.0	0.00- 2.00	0.00
7.496	8.311	-0.815	69	107600			0.00- 0.00	38.40
7.496	8.311	-0.815	70	125			0.00- 2.00	0.12
7.496	8.311	-0.815	127	136768			40.00- 60.00	48.81
7.496	8.311	-0.815	197	0	0.0	0.0	0.00- 1.00	0.00
7.496	8.311	-0.815	199	18792			5.00- 9.00	6.71
7.496	8.311	-0.815	275	78944			10.00- 30.00	28.17
7.496	8.311	-0.815	365	8537			1.00- 0.00	3.05
7.496	8.311	-0.815	441	36488			0.01- 99.99	73.33
7.496	8.311	-0.815	442	255744			40.00- 0.00	91.27
7.496	8.311	-0.815	443	49760			17.00- 23.00	19.46

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

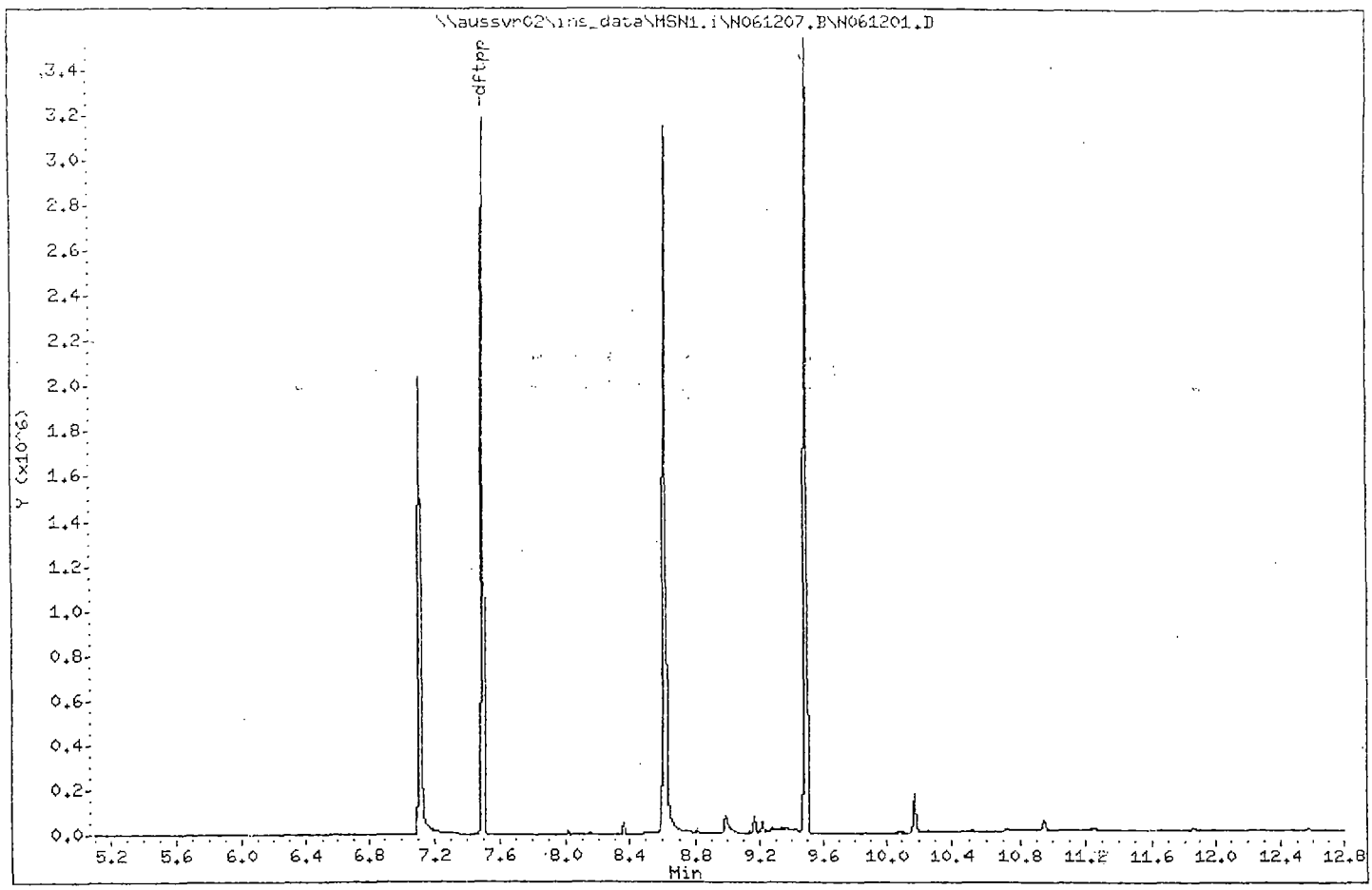
Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: mallgym

Column phase: Rtx-5 MS

Column diameter: 0.25



Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Page 3

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

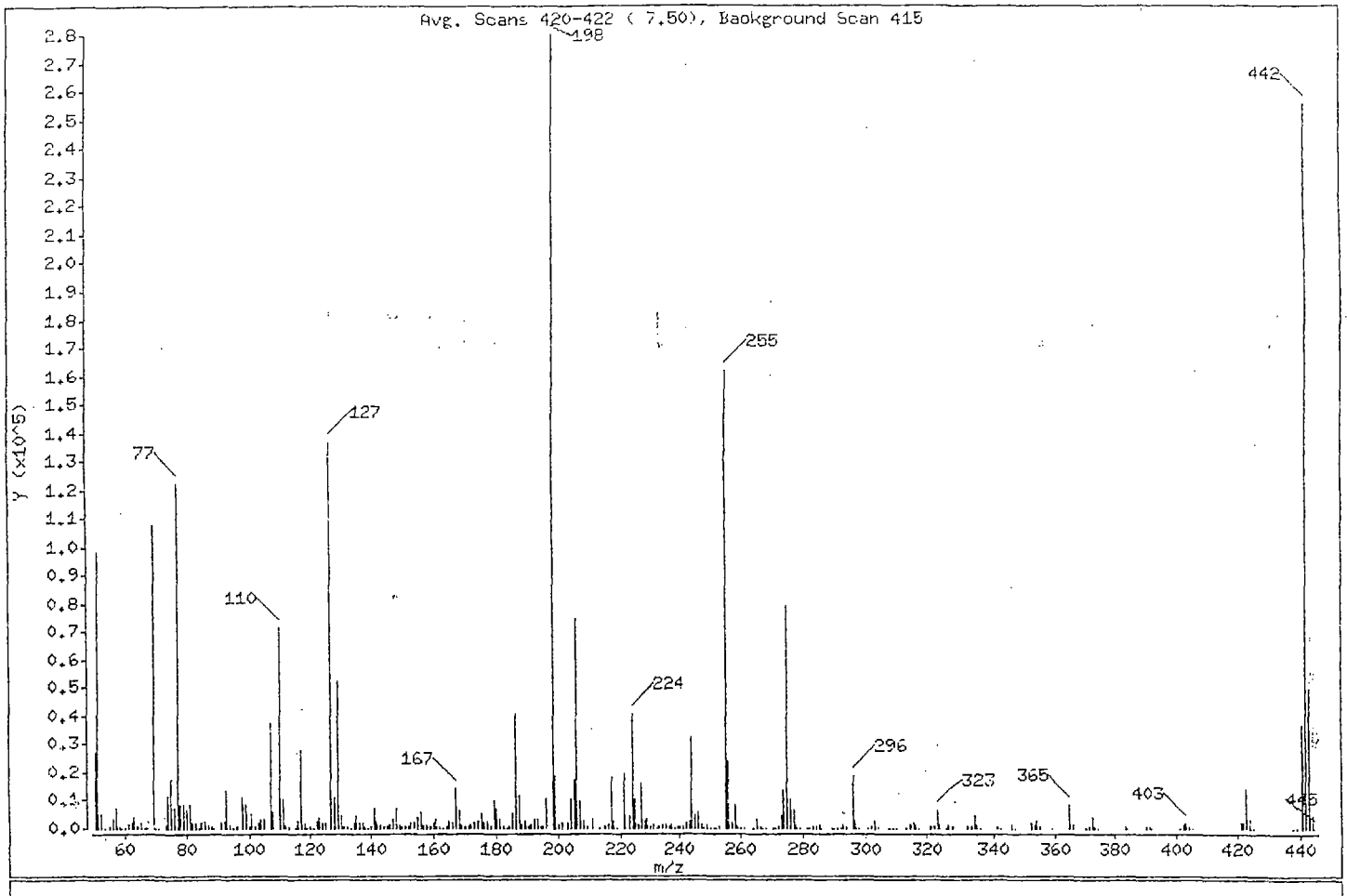
Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.40
70	Less than 2.00% of mass 69	0.04 (0.12)
127	40.00 - 60.00% of mass 198	48.81
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	28.17
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	13.02
442	Greater than 40.00% of mass 198	91.27
443	17.00 - 23.00% of mass 442	17.76 (19.46)

6-14-7

Data File: \\aussvr02\ms_data\MSN1.i\N061207.B\N061201.D

Page 4

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D

Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415

Location of Maximum: 198.00

Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	27000	131.00	857	205.00	17144	289.00	255
51.00	98840	132.00	561	206.00	74728	290.00	212
52.00	5110	133.00	321	207.00	9730	291.00	122
53.00	283	134.00	1611	208.00	2469	292.00	293
55.00	636	135.00	4335	209.00	755	293.00	1400
56.00	3063	136.00	1742	211.00	2993	294.00	366
57.00	6916	137.00	2101	213.00	246	296.00	18688
58.00	324	138.00	484	215.00	834	297.00	2655
59.00	56	139.00	317	216.00	1535	298.00	198
60.00	177	140.00	731	217.00	17800	301.00	254
61.00	1386	141.00	6985	218.00	2422	302.00	372
62.00	1613	142.00	2320	219.00	257	303.00	2312
63.00	4173	143.00	1502	221.00	19608	304.00	709
64.00	621	144.00	419	223.00	4338	308.00	304
65.00	2172	145.00	384	224.00	40608	309.00	213
66.00	166	146.00	1293	225.00	10479	310.00	283
67.00	59	147.00	3514	226.00	1205	313.00	150
69.00	107600	148.00	7217	227.00	16243	314.00	1010
70.00	125	149.00	1538	228.00	2481	315.00	2153
71.00	109	150.00	430	229.00	3474	316.00	1268
73.00	1089	151.00	934	230.00	562	317.00	205
74.00	11546	152.00	678	231.00	1468	321.00	631
75.00	17600	153.00	2160	232.00	319	322.00	340
76.00	7146	154.00	1631	233.00	340	323.00	6684
77.00	122112	155.00	3792	234.00	1061	324.00	1221
78.00	8514	156.00	5722	235.00	1252	326.00	51
79.00	8551	157.00	1297	236.00	806	327.00	1167
80.00	6323	158.00	1222	237.00	1250	328.00	623
81.00	8678	159.00	947	238.00	216	332.00	461
82.00	2207	160.00	2125	239.00	704	333.00	705
83.00	2061	161.00	3130	240.00	528	334.00	4213
84.00	204	162.00	919	241.00	916	335.00	1154
85.00	1611	163.00	220	242.00	2027	336.00	63
86.00	2498	164.00	427	243.00	2291	341.00	768
87.00	1244	165.00	2486	244.00	32512	342.00	215

Data File: \\aussvr02\ins_data\MSN1.i\N061207.D\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

Column diameter: 0.25

Data File: N061201.D
Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415
Location of Maximum: 198.00
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	465	166.00	2149	245.00	4273	346.00	1385
89.00	173	167.00	13965	246.00	6019	347.00	267
91.00	2098	168.00	6121	247.00	1279	352.00	2038
92.00	2372	169.00	1168	248.00	301	353.00	1406
93.00	13498	170.00	502	249.00	1193	354.00	2338
94.00	1005	171.00	640	250.00	238	355.00	479
95.00	162	172.00	1221	251.00	289	359.00	118
96.00	684	173.00	1630	252.00	320	365.00	8537
98.00	10785	174.00	2875	253.00	738	366.00	1260
99.00	8100	175.00	5291	255.00	161984	370.00	135
100.00	840	176.00	1853	256.00	23752	371.00	511
101.00	4910	177.00	2732	257.00	1878	372.00	3599
102.00	364	178.00	881	258.00	8568	373.00	872
103.00	1920	179.00	9570	259.00	1476	374.00	71
104.00	3327	180.00	6774	260.00	258	383.00	944
105.00	3049	181.00	3194	261.00	299	384.00	269
107.00	37320	182.00	548	264.00	270	390.00	475
108.00	6042	183.00	317	265.00	3532	391.00	355
110.00	71520	184.00	871	266.00	462	392.00	275
111.00	10617	185.00	5084	267.00	117	401.00	209
112.00	1279	186.00	40584	268.00	8	402.00	1378
113.00	438	187.00	11347	270.00	272	403.00	1950
115.00	165	188.00	1172	271.00	317	404.00	734
116.00	2462	189.00	2437	272.00	500	405.00	59
117.00	27824	190.00	431	273.00	4815	421.00	1865
118.00	2147	191.00	1100	274.00	13696	422.00	1699
119.00	286	192.00	3151	275.00	78944	423.00	14426
120.00	526	193.00	3516	276.00	10421	424.00	2916
121.00	217	194.00	752	277.00	6327	425.00	291
122.00	2847	195.00	582	278.00	990	438.00	83
123.00	4034	196.00	10168	279.00	225	439.00	238
124.00	1788	198.00	280192	281.00	59	441.00	36488
125.00	1692	199.00	18792	282.00	66	442.00	255744
127.00	136768	200.00	1540	283.00	693	443.00	49760
128.00	10715	201.00	1739	284.00	499	444.00	4608

Data File: \\aussvr02\ins_data\MSN1.i\N061207.P\N061201.D

Date : 12-JUN-2007 07:45

Client ID: DFTPP

Instrument: MSN1.i

Sample Info: DFTPP;DFTPP;;;SMTuneSTK_0001

Operator: malloym

Column phase: Rtx-5 MS

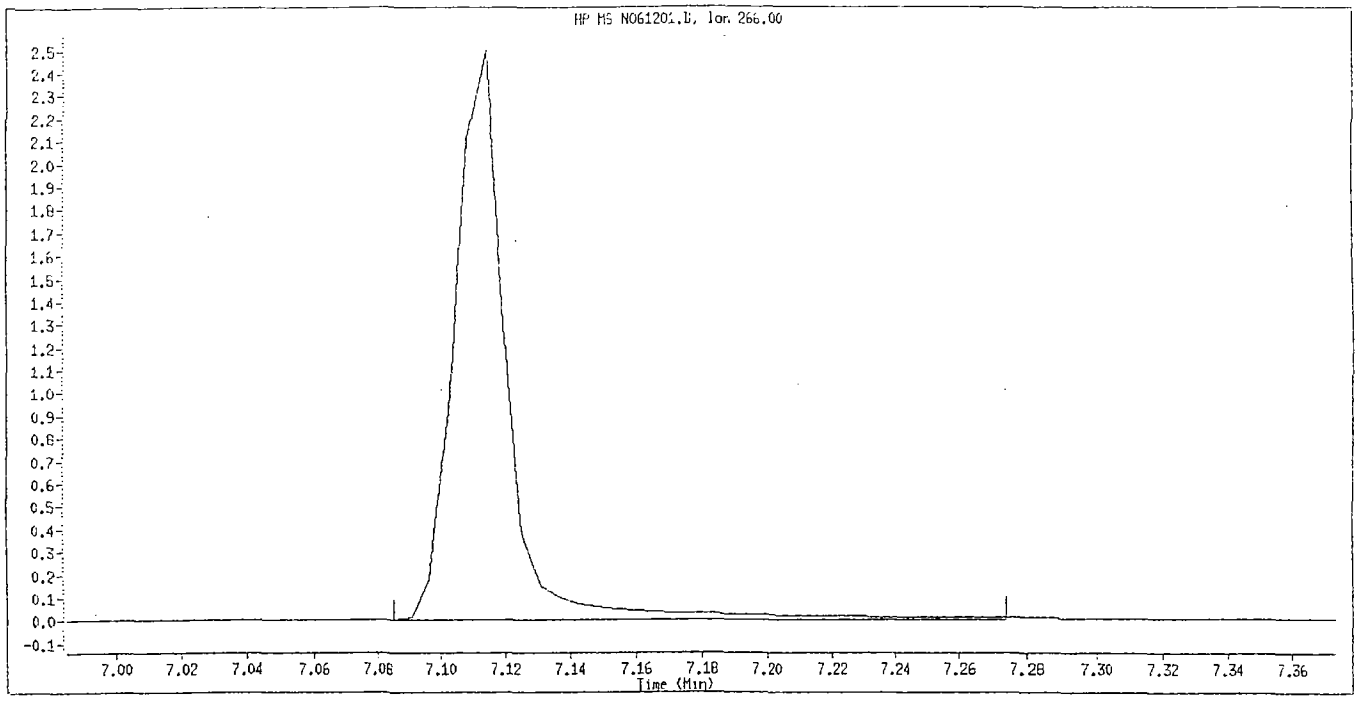
Column diameter: 0.25

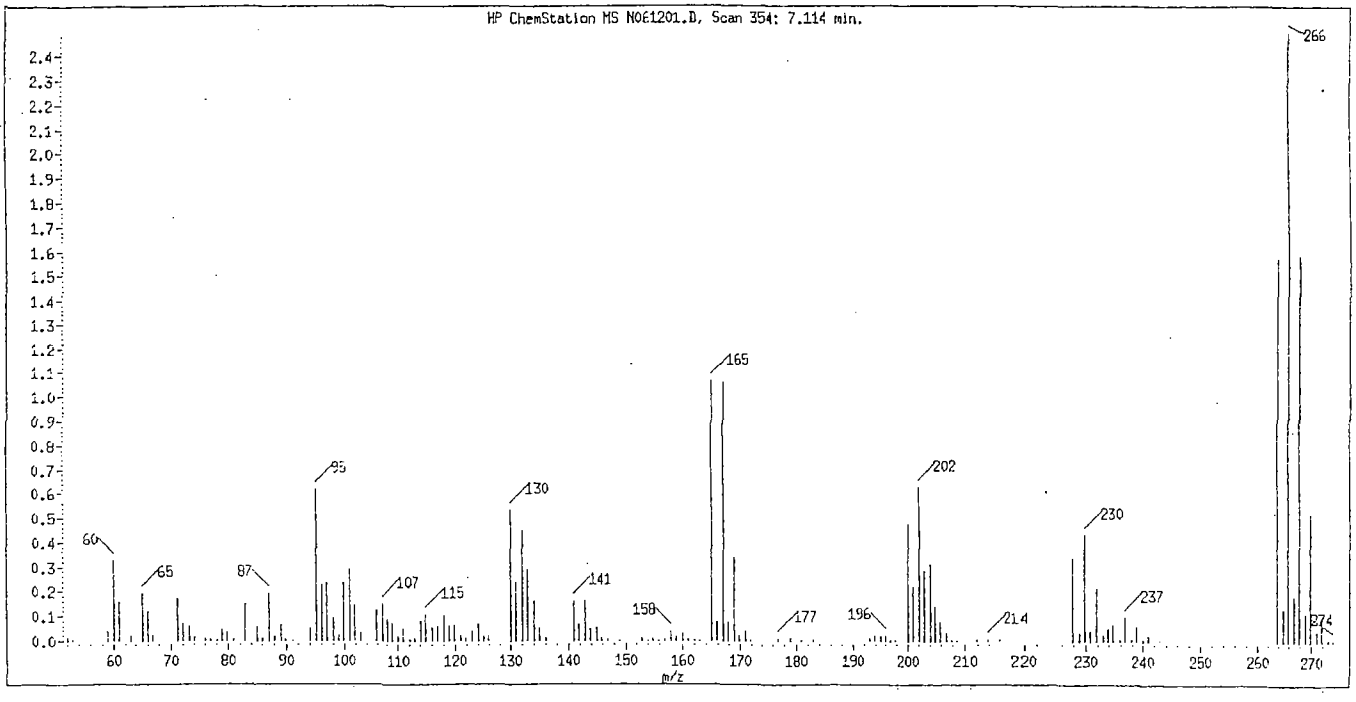
Data File: N061201.D
Spectrum: Avg. Scans 420-422 (7.50), Background Scan 415
Location of Maximum: 198.00
Number of points: 287

m/z	Y	m/z	Y	m/z	Y	m/z	Y
129.00	52144	203.00	1988	285.00	1055	445.00	273
130.00	4571	204.00	10067	286.00	239		

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Pentachlorophenol
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

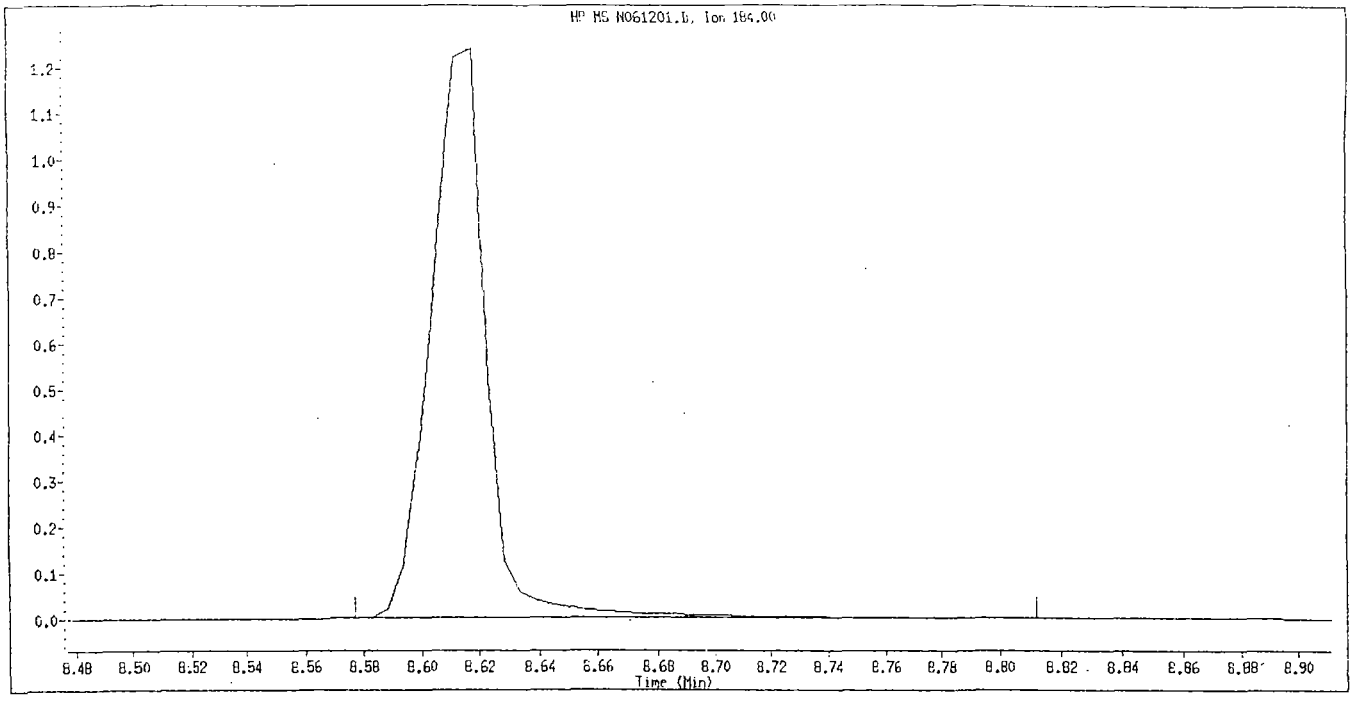


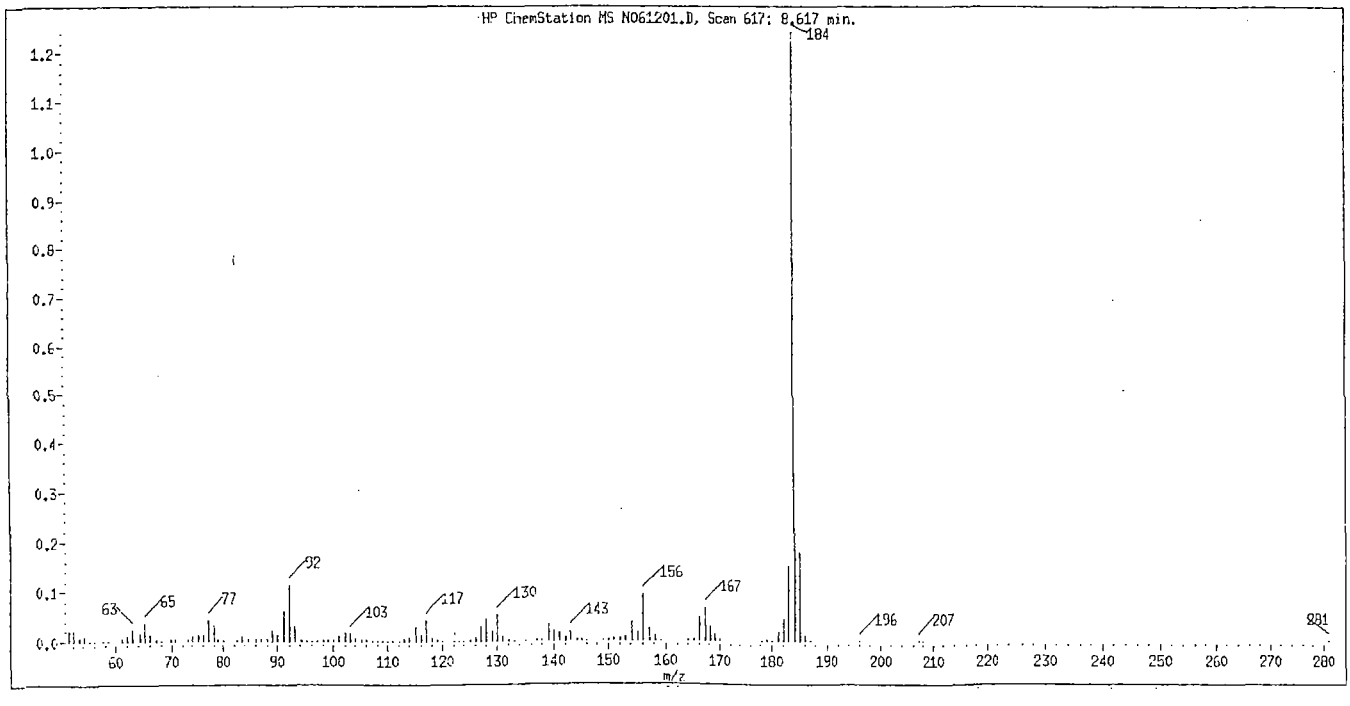


Tailing Factor = 0.888 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 7.097252 T2 = 7.113817 T3 = 7.128522

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: Benzidine
Operator Name: malloym
Report Date: 06/13/2007

TAILING FACTOR

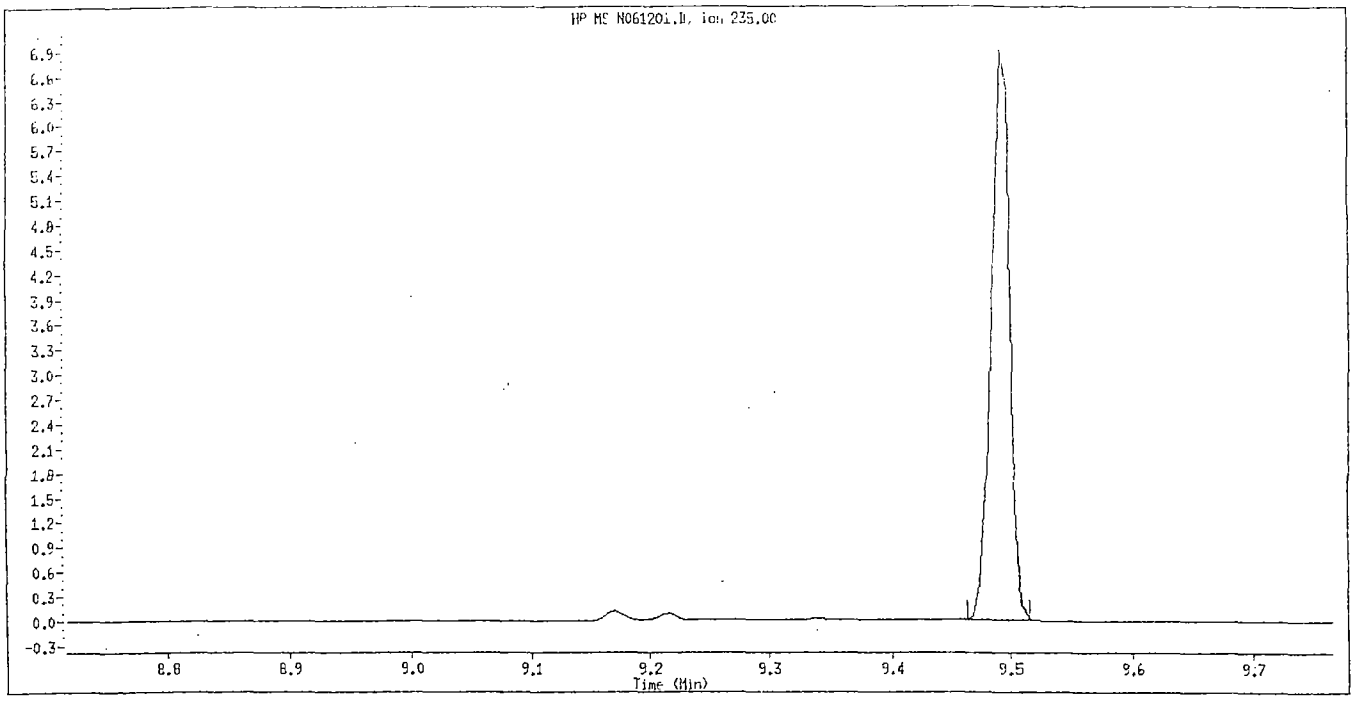




Tailing Factor = 0.5 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 8.594207 T2 = 8.616983 T3 = 8.628383

Data File: N061201.D
Inj Date: 12-JUN-2007 07:45
Instrument ID: MSN1.i
Compound Name: 4,4'-DDT
Operator Name: malloym
Report Date: 06/13/2007

DEGRADATION REPORT



Degradation = 2.76% Good
Acceptance Criteria 0 - 20 %
DDT Area = 758765
DDE Area = 12789
DDD Area = 8765

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D Page 1
Report Date: 13-Jun-2007 10:39

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Lab Smp Id: Icalib_1 Client Smp ID: CAP_010
Inj Date : 12-JUN-2007 09:30
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_1;CAP_010;;1;1;3;;;; SMCAPIC100001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.161	7.159	(1.000)	116604	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	452450	40.0000		REV
* 64 Acenaphthene-d10	164	11.952	11.956	(1.000)	254626	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	435521	40.0000		REV
* 114 Chrysene-d12	240	18.540	18.544	(1.000)	426017	40.0000		REV
* 122 Perylene-d12	264	20.682	20.691	(1.000)	408450	40.0000		REV
174 Caprolactam	113	9.820	9.850	(1.074)	12460	10.0000	10.014	REV

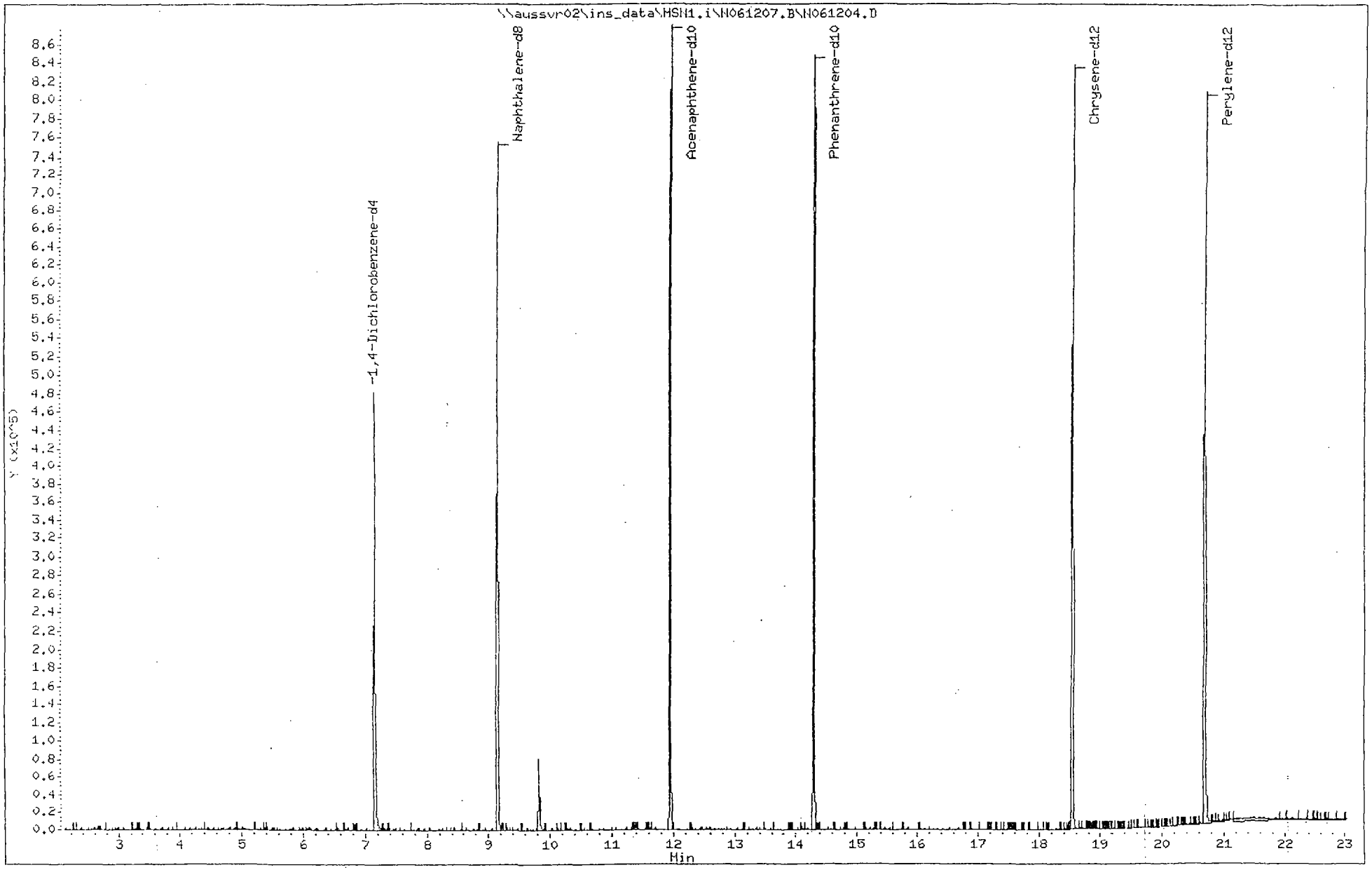
6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061204.D
Date : 12-JUN-2007 09:30
Client ID: CAP_010
Sample Info: Icalib_1;CAP_010;;1;1;3;;;; SMCAPIC100001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D Page 1
Report Date: 13-Jun-2007 10:39

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D
Lab Smp Id: Icalib_2 Client Smp ID: CAP_020
Inj Date : 12-JUN-2007 09:59
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_2;CAP_020;;1;2;3;;;; SMCAPIC200001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.161	7.159	(1.000)	117088	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	453684	40.0000		REV
* 64 Acenaphthene-d10	164	11.952	11.956	(1.000)	257701	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	448168	40.0000		REV
* 114 Chrysene-d12	240	18.540	18.544	(1.000)	439684	40.0000		REV
* 122 Perylene-d12	264	20.682	20.691	(1.000)	412835	40.0000		REV
174 Caprolactam	113	9.821	9.850	(1.074)	24640	20.0000	19.748	REV

6-14-7

535

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061205.D

Date : 12-JUN-2007 09:59

Client ID: CAP_020

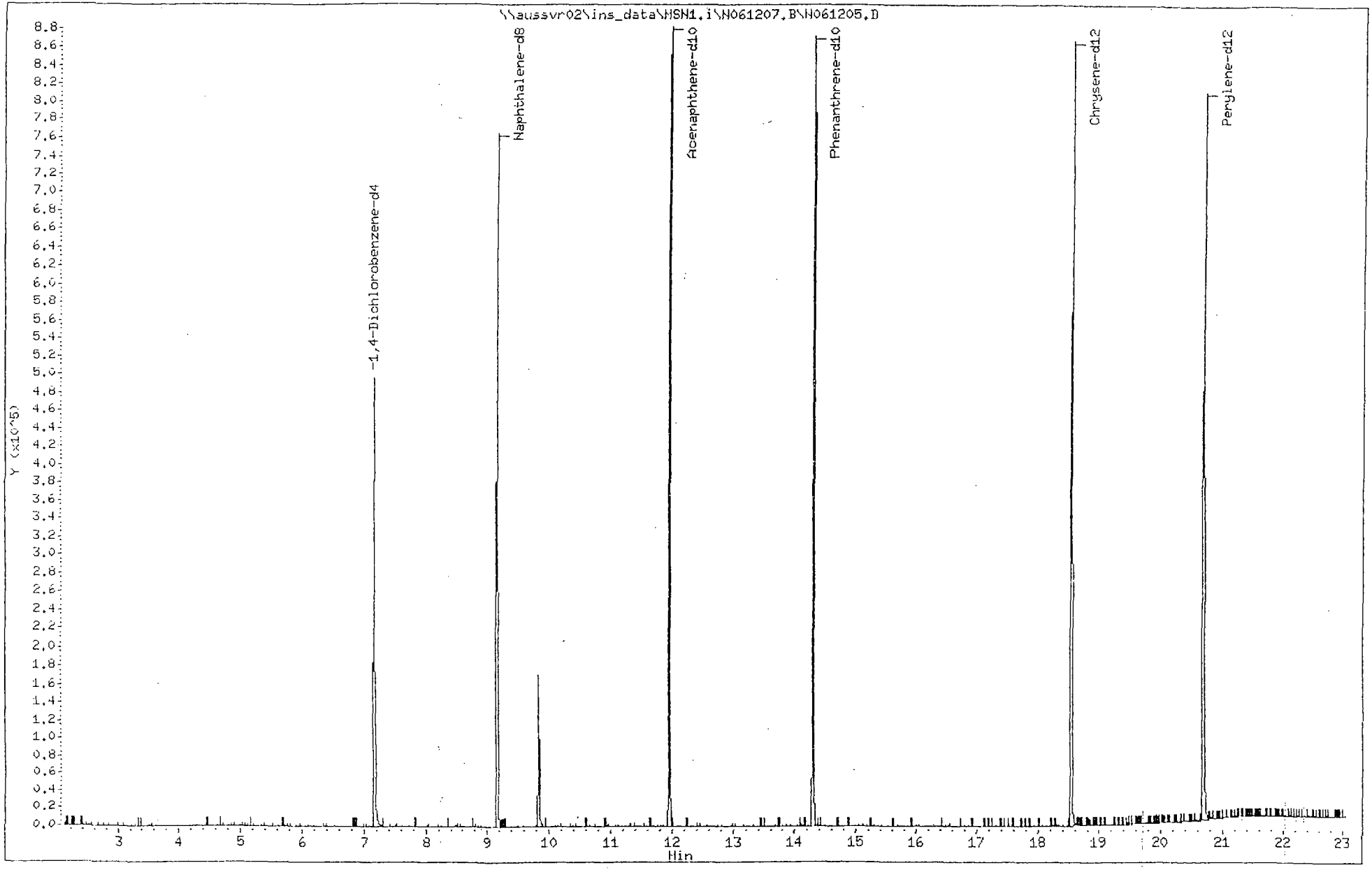
Sample Info: Icalib_2;CAP_020;;1;2;3;;;; SMCAPIC200001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D
Lab Smp Id: Icalib_3 Client Smp ID: CAP_050
Inj Date : 12-JUN-2007 10:28
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_3;CAP_050;;1;3;3;;;; SMCAPIC300001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.160	7.159	(1.000)	114591	40.0000		REV
* 40 Naphthalene-d8	136	9.145	9.150	(1.000)	444153	40.0000		REV
* 64 Acenaphthene-d10	164	11.951	11.956	(1.000)	254112	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	438077	40.0000		REV
* 114 Chrysene-d12	240	18.539	18.544	(1.000)	423294	40.0000		REV
* 122 Perylene-d12	264	20.681	20.691	(1.000)	400582	40.0000		REV
174 Caprolactam	113	9.836	9.850	(1.076)	57774	50.0000	47.298	REV

MMM 6-14-7

537

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061206.D

Date : 12-JUN-2007 10:28

Client ID: CAP_050

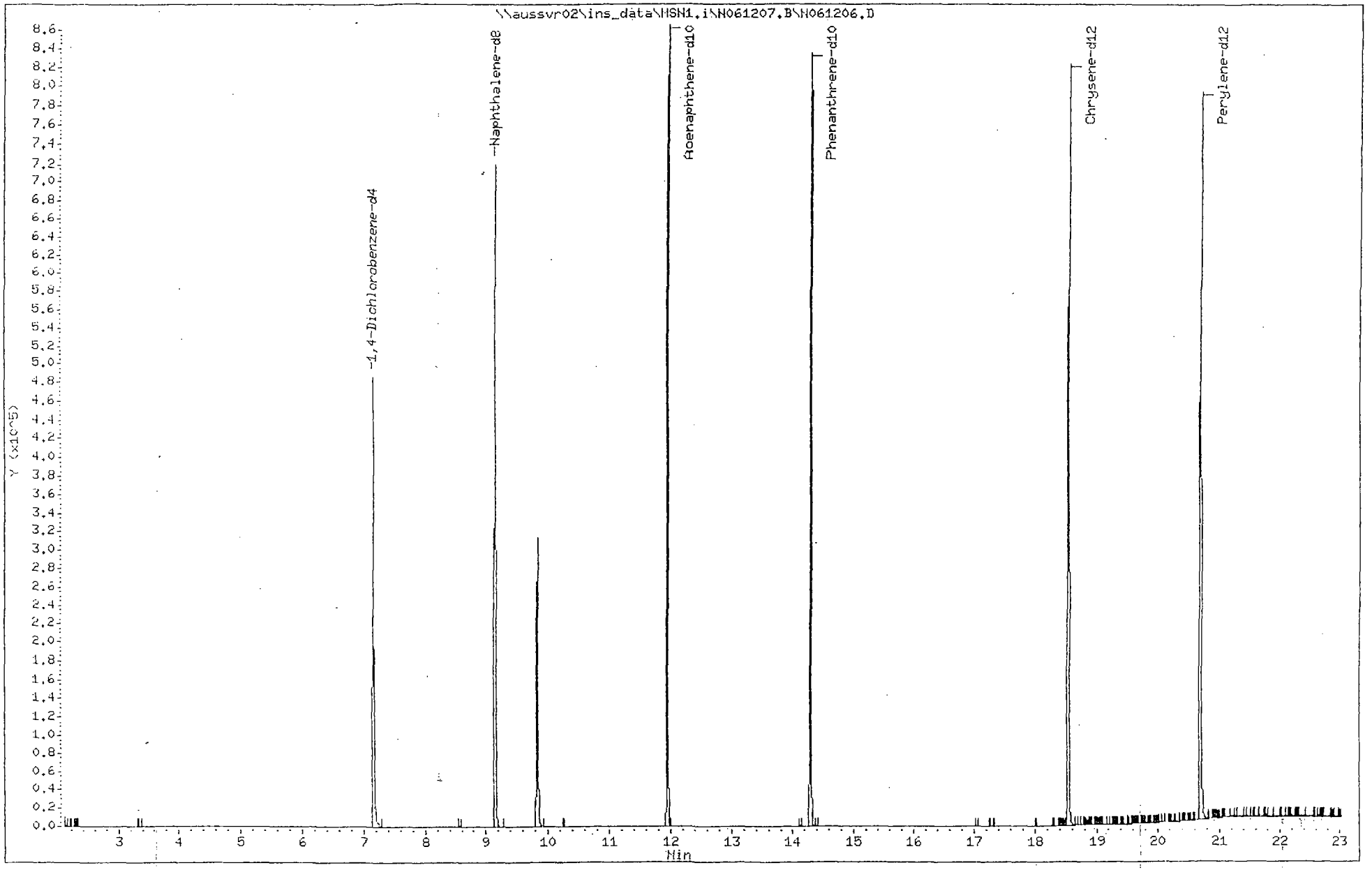
Sample Info: Icalib_3;CAP_050;;1;3;3;;;; SMCAPIC300001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Lab Smp Id: Icalib_4 Client Smp ID: CAP_075
Inj Date : 12-JUN-2007 10:57
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_4;CAP_075;;1;4;3;;;; SMCAPIC400001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.157	7.159	(1.000)	116963	40.0000		REV
* 40 Naphthalene-d8	136	9.148	9.150	(1.000)	451461	40.0000		REV
* 64 Acenaphthene-d10	164	11.949	11.956	(1.000)	256798	40.0000		REV
* 93 Phenanthrene-d10	188	14.290	14.303	(1.000)	439560	40.0000		REV
* 114 Chrysene-d12	240	18.536	18.544	(1.000)	428987	40.0000		REV
* 122 Perylene-d12	264	20.684	20.691	(1.000)	404882	40.0000		REV
174 Caprolactam	113	9.850	9.850	(1.077)	100448	75.0000	80.902	REV

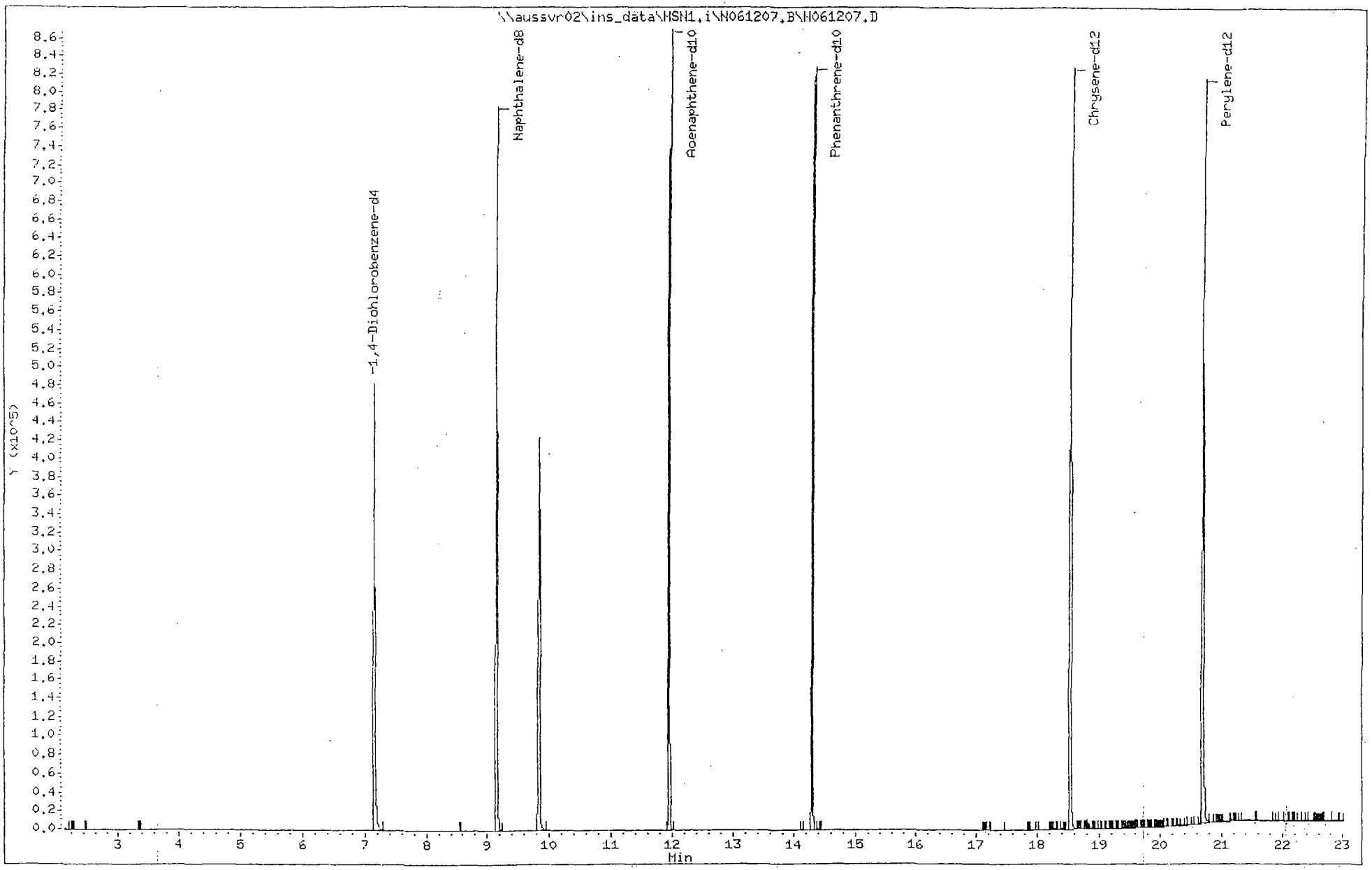
6-14-1

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061207.D
Date : 12-JUN-2007 10:57
Client ID: CAP_075
Sample Info: Icalib_4;CAP_075;;1;4;3;;;; SMCAPIC400001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym
Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D
Lab Smp Id: Icalib_5 Client Smp ID: CAP_100
Inj Date : 12-JUN-2007 11:26
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_5;CAP_100;;1;5;3;;;; SMCAPIC500001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.159	7.159	(1.000)	116873	40.0000		REV
* 40 Naphthalene-d8	136	9.150	9.150	(1.000)	453325	40.0000		REV
* 64 Acenaphthene-d10	164	11.950	11.956	(1.000)	257165	40.0000		REV
* 93 Phenanthrene-d10	188	14.287	14.303	(1.000)	441415	40.0000		REV
* 114 Chrysene-d12	240	18.538	18.544	(1.000)	431034	40.0000		REV
* 122 Perylene-d12	264	20.686	20.691	(1.000)	397951	40.0000		REV
174 Caprolactam	113	9.857	9.850	(1.077)	126887	100.000	101.78	REV

6-14-7

541

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061208.D

Date : 12-JUN-2007 11:26

Client ID: CAP_100

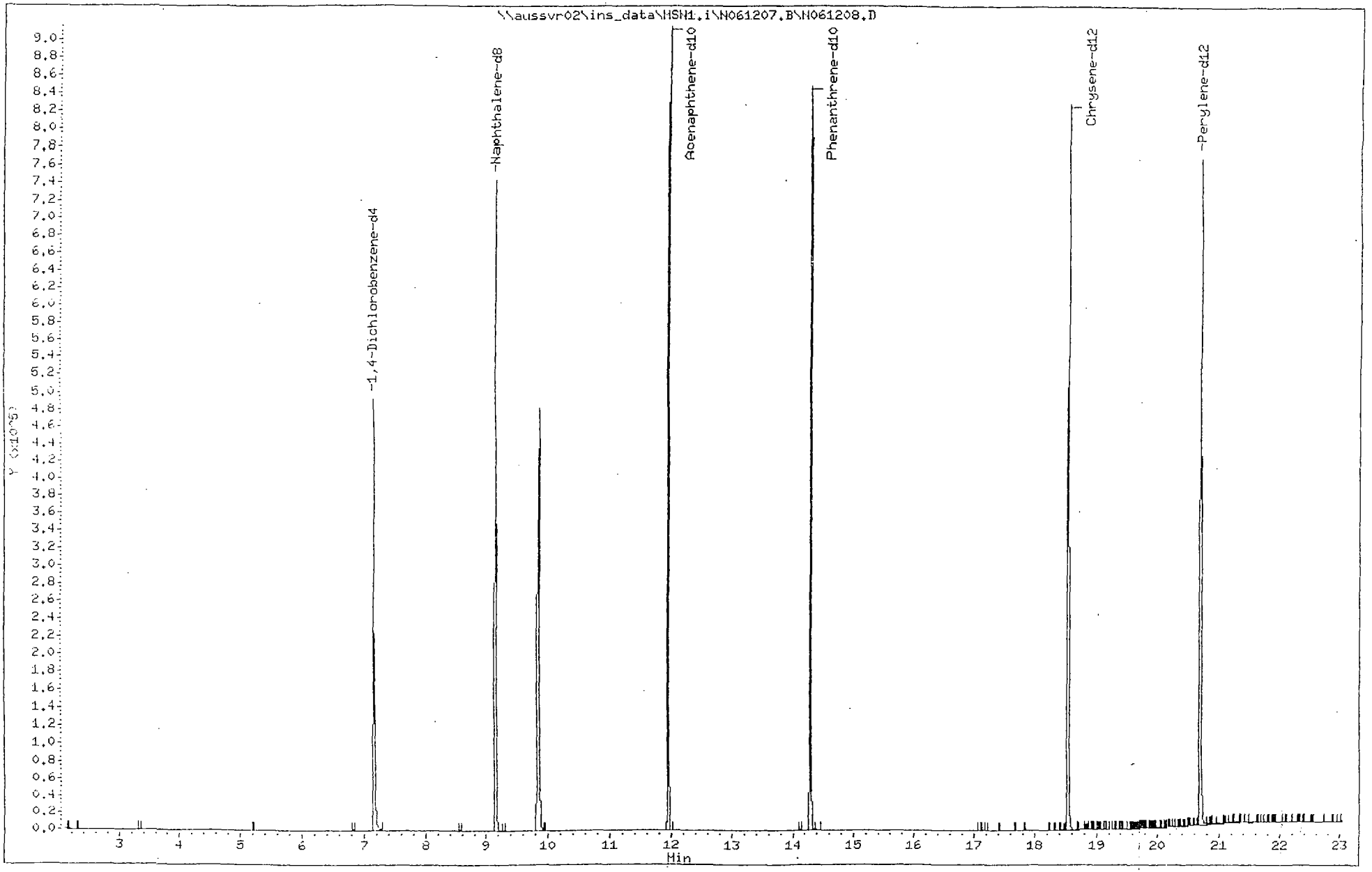
Sample Info: Icalib_5;CAP_100;;1;5;3;;;; SMCAPIC500001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D Page 1
Report Date: 13-Jun-2007 10:40

STL Austin

Method 8270C Semivolatiles

Data file : \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D
Lab Smp Id: Icalib_6 Client Smp ID: CAP_120
Inj Date : 12-JUN-2007 11:54
Operator : malloym Inst ID: MSN1.i
Smp Info : Icalib_6;CAP_120;;1;6;3;;;; SMCAPIC600001
Misc Info : ; 2-CAP.sub; IS STD IS STD SMINTSTDW00002
Comment : SOP NO. : AUS-MS-0005
Method : \\aussvr02\ins_data\MSN1.i\N061207.B\N053107M.M
Meth Date : 13-Jun-2007 10:37 malloym Quant Type: ISTD
Cal Date : 12-JUN-2007 11:54 Cal File: N061209.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-CAP.sub
Target Version: 4.14
Processing Host: AUS8K7MV21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
* 17 1,4-Dichlorobenzene-d4	152	7.160	7.159	(1.000)	116400	40.0000		REV
* 40 Naphthalene-d8	136	9.146	9.150	(1.000)	448704	40.0000		REV
* 64 Acenaphthene-d10	164	11.951	11.956	(1.000)	256085	40.0000		REV
* 93 Phenanthrene-d10	188	14.288	14.303	(1.000)	437264	40.0000		REV
* 114 Chrysene-d12	240	18.539	18.544	(1.000)	434460	40.0000		REV
* 122 Perylene-d12	264	20.681	20.691	(1.000)	401080	40.0000		REV
174 Caprolactam	113	9.863	9.850	(1.078)	143462	120.000	116.26	REV

6-14-7

Data File: \\aussvr02\ins_data\MSN1.i\N061207.B\N061209.D

Date : 12-JUN-2007 11:54

Client ID: CAP_120

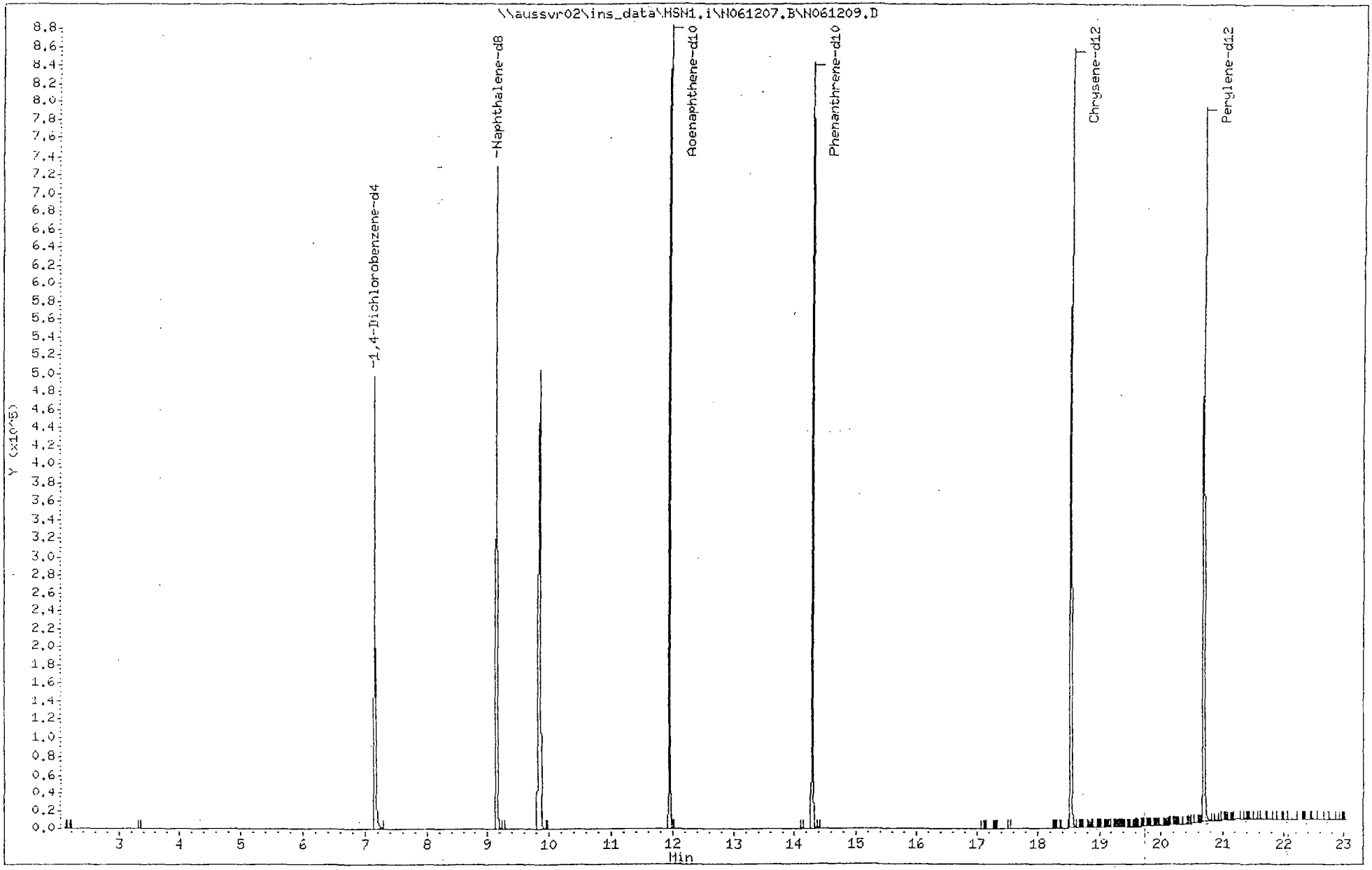
Sample Info: Icalib_6;CAP_120;;1;6;3;;;; SMCAPIC600001

Column phase: Rtx5-MS

Instrument: MSN1.i

Operator: malloym

Column diameter: 0.25



METALS

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6020

Associated Samples: 1-2

Batch Number: 7162268. (2 parts)

QC & Sample Data

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020 / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 6-13-07 Instrument: All
Prep Batches: 7162268 (2 & 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)		✓		✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-14-07
Comments:

2nd Level Reviewer: [signature] Date: 6/19/07
Comments:

NOMENCLATURE

LIMS

Five (5) characters with an alpha suffix.

_____B	Method Blank
_____C	Laboratory Control Sample
_____L	Laboratory Control Sample Duplicate (optional)
_____S	Matrix Spike
_____D	Matrix Spike Duplicate
_____X	Sample Duplicate (as requested)

ICP/MS(6020) INSTRUMENT

QC Std #1	ICV (Initial Calibration Verification)
QC Std #2	ICB (initial Calibration Blank)
QC Std #3	LLCk Std (Low-level Check Standard for TRRP only)
QC Std #4	ICSA (Interference Check Standard – Interfering Elements)
QC Std #5	ICSAB (Interference Check Standard – Analytes and Interferants)
QC Std #6	CCV (Continuing Calibration Verification)
QC Std #7	CCB (Continuing Calibration Blank)
SD5X	Serial Dilution
AS1.04X	Analytical Spike

STL Austin

Analyst NE Date 6-11-07

Digestion Method 3020A (MS)

SOP No#: (Circle one)
AUS-IP-0002, current revision
AUS-IP-0003, current revision
AUS-IP-0010, current revision
AUS-IP-0011, current revision

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) ____

Digestion Cup Lot #: A702L5136

Hot Block ID#	Temp. (°C)	Thermometer
A		
B		
C		
D		
E		

Spiking Solutions:

.05 mL StdsLog # 07MET0838

.05 mL StdsLog # 07MET0839

.05 mL StdsLog # METR456_00001

.05 mL StdsLog # MEMULTI_00001

mL StdsLog #

mL StdsLog #

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)		HCl (1:1)	
HNO_3 (1:4)		HCl (conc.)	
HNO3 (conc.)		H_2O_2	

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
B	NA	50	50	
C				
JODKA				
-S				
-D				
JODTG				
JODTN				
JOKGV				
JOKHE				
JOKHG				
JOKHH				
JOKHJ				

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
JOKHK	NA	50	50	
JOKHM				
JOM88				
JOM9A				
JOM9C				
JOM9D				
JOM9E				
JOM9F				
~~Added 2 samples~~	~~[illegible]~~	6/26/07		
JOA4E	NA	50	50	Added to Batch for
JOA5E				Lithium only. [illegible] 6/26/07

6/11/07

PE ICPMS (A1) Serial Dilution and Analytical Spike Recovery Calculations STL, Austin

BATCH # 7162268 *S.D. Criteria = 10%*

Work Order: J0DKA *A.S. Criteria=75-125%*

Instrument Factor: 1

MDL (ug/L)	A. Spike (mg/L)	Element	Original Result (ug/L)	S.D. Result (ug/L	A.S. Result (ug/L)	SD % Difference	AS DF 1.04 AS % Recovery	SD Flag	A.S. <75% Flag	A.S. >125% Flag
1.181	50	Li								
0.0796	50	Be								
	50	B								
23.63	5000	Na								
6.231	5000	Mg								
19.4	5000	Al								
24.51	5000	K								
25.45	5000	Ca								
0.144	50	Ti								
0.091	50	V								
0.123	50	Cr	0.211	0.058	47.358	<50 x MDL	94.31			
13.22	5000	Fe								
3	50	Mn	7.48	1.554	55.704	<50 x MDL	97.02			
0.0789	50	Co								
0.185	50	Ni								
0.16	50	Cu								
2.653	50	Zn								
0.0983	50	As	0.275	0.074	46.64	<50 x MDL	92.75			
0.253	50	Se	0.409	0.044	48.518	<50 x MDL	96.25			
0.102	50	Sr								
0.05	50	Mo								
0.075	10	Ag	0	0	9.351	<50 x MDL	93.51			
0.05	50	Cd	0	0	48.171	<50 x MDL	96.34			
0.05	50	Sn								
0.05	50	Sb								
0.18	50	Ba	2.42	0.498	51.023	<50 x MDL	97.39			
0.05	50	Tl								
0.0954	50	Pb	0.041	0	46.654	<50 x MDL	93.23			

Instrument ID: ICPA1

Instrument model: ICP MS Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	500	P	N/A
Sb	10	K	500
As	10	Se	10
Ba	10	Si	N/A
Be	10	Ag	10
Bi	N/A	Na	500
B	N/A	Sr	5
Cd	10	S	N/A
Ca	800	Te	N/A
Cr	10	Tl	10
Co	10	Sn	10
Cu	10	Ti	5
Fe	500	W	N/A
Pb	10	V	5
Mg	500	Zn	5
Mn	5	U	N/A
Mo	5	Pd	N/A
Ni	10	Au	N/A

Linearity: 06/03/03

Instrument ID: ICPMS-A1 Analyst Initials: XE

Instrument Method: 4W MS FULLS.207 GW Date: 6-14-07

Result Data Set: A070613D Method/Test: 6020

Computer Clock Date/Time: 6-13-07/16:19 SOP #: AUS-INT-0012

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		**Additional Standards:**			
HNO_3	HN003-00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA-000018		
		ICSAB	MEICSAB-00017		

Calibration Curve Standards:		**Analytical Spike Information:** (9.6 mL sample)		
Std. 1	MESTD1-00002	Spike #	Spike Standard ID	Volume
Std. 2	MESTD2-00002	1	07MET0188	100 µL
Std. 3	MESTD3-00002	2	07MET0189	100 µL
Std. 4		3	07MET0190	100 µL
Std. 5		4	07MET0191	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL
Curve Verification Standards:				
ICV Std.	07MET0274	Sample ID: JODKA		
CCV Std.	MECCV-00002	Sample ID: NA		
LLCCV Std.		Sample ID:		
		Sample ID:		

Comments:

Instrument ID: ICPMS-A1

User Name: EscobarX
Computer Name: AUSF5PSP11
Dataset File Path: C:\elandata\Dataset\A070613D\
Report Date/Time: Thursday, June 14, 2007 10:01:31

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	Blank	16:19:01 Wed 13-Jun-07	Blank	Blank.001	
	Standard 1	16:24:10 Wed 13-Jun-07	Standard #1	Standard 1.002	
	Standard 2	16:29:21 Wed 13-Jun-07	Standard #2	Standard 2.003	
	Standard 3	16:34:32 Wed 13-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	16:39:42 Wed 13-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	16:44:51 Wed 13-Jun-07	QC Std #2	QC Std 2.006	
	QC Std 4	16:49:59 Wed 13-Jun-07	QC Std #4	QC Std 4.007	
	QC Std 5	16:55:08 Wed 13-Jun-07	QC Std #5	QC Std 5.008	
	QC Std 6	17:00:18 Wed 13-Jun-07	QC Std #6	QC Std 6.009	
	QC Std 7	17:05:26 Wed 13-Jun-07	QC Std #7	QC Std 7.010	
	J0PX1B	17:10:36 Wed 13-Jun-07	Sample	J0PX1B.011	7162268
	J0PX1C	17:15:46 Wed 13-Jun-07	Sample	J0PX1C.012	7162268
	J0DKA	17:20:56 Wed 13-Jun-07	Sample	J0DKA.013	7162268
	SD5X	17:26:06 Wed 13-Jun-07	Sample	SD5X.014	7162268
	AS1.04X	17:31:16 Wed 13-Jun-07	Sample	AS1.04X.015	7162268
	J0DKAS	17:36:26 Wed 13-Jun-07	Sample	J0DKAS.016	7162268
	J0DKAD	17:41:36 Wed 13-Jun-07	Sample	J0DKAD.017	7162268
	J0DTG	17:46:46 Wed 13-Jun-07	Sample	J0DTG.018	7162268 10X
	J0DTN	17:51:57 Wed 13-Jun-07	Sample	J0DTN.019	7162268 10X
	J0KGV	17:57:07 Wed 13-Jun-07	Sample	J0KGV.020	7162268
	QC Std 6	18:02:18 Wed 13-Jun-07	QC Std #6	QC Std 6.021	
	QC Std 7	18:07:26 Wed 13-Jun-07	QC Std #7	QC Std 7.022	
	J0KHE	18:12:36 Wed 13-Jun-07	Sample	J0KHE.023	7162268
	J0KHG	18:17:48 Wed 13-Jun-07	Sample	J0KHG.024	7162268
	J0KHH	18:22:59 Wed 13-Jun-07	Sample	J0KHH.025	7162268
	J0KHJ	18:28:09 Wed 13-Jun-07	Sample	J0KHJ.026	7162268
	J0KHK	18:33:20 Wed 13-Jun-07	Sample	J0KHK.027	7162268
	J0KHM	18:38:30 Wed 13-Jun-07	Sample	J0KHM.028	7162268
	J0M88	18:43:40 Wed 13-Jun-07	Sample	J0M88.029	7162268
	J0M9A	18:48:51 Wed 13-Jun-07	Sample	J0M9A.030	7162268
	J0M9C	18:54:01 Wed 13-Jun-07	Sample	J0M9C.031	7162268
	J0M9D	18:59:12 Wed 13-Jun-07	Sample	J0M9D.032	7162268
	QC Std 6	19:04:22 Wed 13-Jun-07	QC Std #6	QC Std 6.033	
	QC Std 7	19:09:31 Wed 13-Jun-07	QC Std #7	QC Std 7.034	
	J0M9E	19:14:40 Wed 13-Jun-07	Sample	J0M9E.035	7162268
	J0M9F	19:19:51 Wed 13-Jun-07	Sample	J0M9F.036	7162268
	QC Std 6	19:25:01 Wed 13-Jun-07	QC Std #6	QC Std 6.037	
	QC Std 7	19:30:10 Wed 13-Jun-07	QC Std #7	QC Std 7.038	
	J0A4E	19:35:20 Wed 13-Jun-07	Sample	J0A4E.039	7162268
	J0A5A	19:40:32 Wed 13-Jun-07	Sample	J0A5A.040	7162268
	J0DTG	19:45:43 Wed 13-Jun-07	Sample	J0DTG.041	7162268
	J0DTN	19:50:54 Wed 13-Jun-07	Sample	J0DTN.042	7162268
	QC Std 6	19:56:04 Wed 13-Jun-07	QC Std #6	QC Std 6.043	
	QC Std 7	20:01:13 Wed 13-Jun-07	QC Std #7	QC Std 7.044	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, June 13, 2007 11:36:16
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2143
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse
Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	89546.1	89546.102	2673.662	3.0
	Rh	102.9	203643.5	203643.525	2629.399	1.3
	In	114.9	250830.9	250830.896	3094.630	1.2
	Pb	208.0	195149.6	195149.632	2388.807	1.2
⌈>	Ba	137.9	223520.0	223520.028	2801.550	1.3
⌊	Ba++	69.0	3463.3	0.015	0.000	1.3
⌈>	Ce	139.9	285614.8	285614.760	2213.913	0.8
⌊	CeO	155.9	5242.6	0.018	0.000	2.4
	Bkgd	220.0	17.9	17.867	4.407	24.7
	Be	9.0	4126.7	4126.729	82.300	2.0
	Na	23.0	344050.6	344050.562	3578.014	1.0
	K	39.0	74208.8	74208.825	1308.232	1.8
	Fe	53.9	32382.0	32382.045	542.635	1.7
	U	238.1	471259.6	471259.637	9424.433	2.0

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	8.5	5257.6
Co	59	53	8.8	58220.1
In	115	53	10.5	495078.8

Quantitative Analysis Calibration Report

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00797	0.00000	0.999995
Be	9.012	Linear Thru Zero	0.00160	0.00000	0.999977
Al	26.982	Linear Thru Zero	0.01167	0.00000	0.999928
Sc	44.956	Linear Thru Zero	0.00000	0.00000	0.000000
Ti	47.948	Linear Thru Zero	0.00172	0.00000	0.999994
V	50.944	Linear Thru Zero	0.00225	0.00000	0.999998
Cr	51.941	Linear Thru Zero	0.00209	0.00000	0.999999
Cr	52.941	Linear Thru Zero	0.00026	0.00000	0.999936
Fe	53.940	Linear Thru Zero	0.00017	0.00000	0.999976
Mn	54.938	Linear Thru Zero	0.00349	0.00000	0.999979
Co	58.933	Linear Thru Zero	0.00263	0.00000	0.999991
Ni	59.933	Linear Thru Zero	0.00056	0.00000	0.999996
Cu	62.930	Linear Thru Zero	0.00127	0.00000	0.999992
Cu	64.928	Linear Thru Zero	0.00062	0.00000	0.999999
Zn	65.926	Linear Thru Zero	0.00041	0.00000	0.999993
Zn	66.927	Linear Thru Zero	0.00007	0.00000	0.999953
Zn	67.925	Linear Thru Zero	0.00030	0.00000	0.999985
As	74.922	Linear Thru Zero	0.00045	0.00000	0.999991
Se	76.920	Linear Thru Zero	0.00003	0.00000	0.999991
Se	81.917	Linear Thru Zero	0.00004	0.00000	0.999987
Y	88.905	Linear Thru Zero	0.00000	0.00000	0.000000
Ag	106.905	Linear Thru Zero	0.01933	0.00000	1.000000
Ag	108.905	Linear Thru Zero	0.01864	0.00000	0.999999
Cd	110.904	Linear Thru Zero	0.00498	0.00000	0.999968
Cd	113.904	Linear Thru Zero	0.01151	0.00000	0.999995
In	114.904	Linear Thru Zero	0.00000	0.00000	0.000000
Sb	120.904	Linear Thru Zero	0.01866	0.00000	0.999996
Sb	122.904	Linear Thru Zero	0.01452	0.00000	0.999992
Ba	136.905	Linear Thru Zero	0.00539	0.00000	0.999989
Ho	164.930	Linear Thru Zero	0.00000	0.00000	0.000000
Tl	204.975	Linear Thru Zero	0.04085	0.00000	0.999999
Pb	207.977	Linear Thru Zero	0.05599	0.00000	0.999988

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Wednesday, June 13, 2007 16:19:01
Sample Description:
Solution Type: Blank
Blank File: C:\elandata\Dataset\A070613D\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070613A.sam
Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	773.02			ppb
	Be	9	35.00			ppb
	Al	27	17524.74			ppb
>	Sc	45	465679.28			ppb
	Ti	48	-1036.89			ppb
	V	51	4582.82			ppb
	Cr	52	12716.66			ppb
	Cr	53	4699.77			ppb
	Fe	54	64895.76			ppb
	Mn	55	1278.06			ppb
	Co	59	256.00			ppb
	Ni	60	324.00			ppb
	Cu	63	498.01			ppb
	Cu	65	244.00			ppb
	Zn	66	1581.09			ppb
	Zn	67	759.02			ppb
	Zn	68	850.03			ppb
	As	75	250.56			ppb
	Se	77	66.00			ppb
	Se	82	1.17			ppb
>	Y	89	3551678.91			ppb
	Ag	107	344.00			ppb
	Ag	109	345.00			ppb

	Cd	111	1541.80			ppb
	Cd	114	144.79			ppb
>	In	115	455531.30			ppb
	Sb	121	1474.08			ppb
	Sb	123	1249.78			ppb
	Ba	137	130.00			ppb
>	Ho	165	704415.15			ppb
	Tl	205	709.02			ppb
	Pb	208	1454.03			ppb
	Repeat 2					
	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	711.01			ppb
	Be	9	26.00			ppb
	Al	27	14868.73			ppb
>	Sc	45	462736.95			ppb
	Ti	48	-1034.25			ppb
	V	51	4376.69			ppb
	Cr	52	12675.62			ppb
	Cr	53	4512.71			ppb
	Fe	54	64884.86			ppb
	Mn	55	1128.04			ppb
	Co	59	183.00			ppb
	Ni	60	285.00			ppb
	Cu	63	469.01			ppb
	Cu	65	249.00			ppb
	Zn	66	1685.10			ppb
	Zn	67	715.02			ppb
	Zn	68	929.03			ppb
	As	75	301.93			ppb
	Se	77	84.00			ppb
	Se	82	-1.99			ppb
>	Y	89	3568741.56			ppb
	Ag	107	376.00			ppb
	Ag	109	324.00			ppb
	Cd	111	1531.08			ppb
	Cd	114	151.39			ppb
>	In	115	443106.82			ppb
	Sb	121	1635.09			ppb
	Sb	123	1330.17			ppb
	Ba	137	115.00			ppb
>	Ho	165	705928.16			ppb
	Tl	205	577.01			ppb
	Pb	208	1167.02			ppb
	Repeat 3					
	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	609.01			ppb
	Be	9	21.00			ppb
	Al	27	14882.75			ppb
>	Sc	45	460272.21			ppb
	Ti	48	-978.52			ppb

	V	51	4636.98	ppb
	Cr	52	12968.88	ppb
	Cr	53	4365.67	ppb
	Fe	54	65763.65	ppb
	Mn	55	1227.05	ppb
	Co	59	167.00	ppb
	Ni	60	331.00	ppb
	Cu	63	529.01	ppb
	Cu	65	268.00	ppb
	Zn	66	1629.09	ppb
	Zn	67	746.02	ppb
	Zn	68	883.03	ppb
	As	75	262.98	ppb
	Se	77	76.00	ppb
	Se	82	8.19	ppb
>	Y	89	3532268.84	ppb
	Ag	107	536.01	ppb
	Ag	109	477.01	ppb
	Cd	111	1518.00	ppb
	Cd	114	120.69	ppb
>	In	115	451807.24	ppb
	Sb	121	1523.08	ppb
	Sb	123	1135.02	ppb
	Ba	137	112.00	ppb
>	Ho	165	700664.28	ppb
	Tl	205	582.01	ppb
	Pb	208	1125.02	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	697.68			ppb
	Be	9	27.33			ppb
	Al	27	15758.74			ppb
>	Sc	45	462896.15			ppb
	Ti	48	-1016.55			ppb
	V	51	4532.17			ppb
	Cr	52	12787.05			ppb
	Cr	53	4526.05			ppb
	Fe	54	65181.42			ppb
	Mn	55	1211.05			ppb
	Co	59	202.00			ppb
	Ni	60	313.34			ppb
	Cu	63	498.68			ppb
	Cu	65	253.67			ppb
	Zn	66	1631.76			ppb
	Zn	67	740.02			ppb
	Zn	68	887.36			ppb
	As	75	271.83			ppb
	Se	77	75.33			ppb

	Se	82	2.46	ppb
>	Y	89	3550896.43	ppb
	Ag	107	418.67	ppb
	Ag	109	382.01	ppb
	Cd	111	1530.29	ppb
	Cd	114	138.96	ppb
>	In	115	450148.45	ppb
	Sb	121	1544.08	ppb
	Sb	123	1238.33	ppb
	Ba	137	119.00	ppb
>	Ho	165	703669.20	ppb
	Tl	205	622.68	ppb
	Pb	208	1248.69	ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	82.812		
	Be	9	7.095		
	Al	27	1529.418		
>	Sc	45	2707.045		
	Ti	48	32.960		
	V	51	137.338		
	Cr	52	158.800		
	Cr	53	167.452		
	Fe	54	504.252		
	Mn	55	76.276		
	Co	59	47.445		
	Ni	60	24.786		
	Cu	63	30.007		
	Cu	65	12.663		
	Zn	66	52.057		
	Zn	67	22.606		
	Zn	68	39.680		
	As	75	26.804		
	Se	77	9.019		
	Se	82	5.207		
>	Y	89	18248.949		
	Ag	107	102.869		
	Ag	109	82.942		
	Cd	111	11.923		
	Cd	114	16.157		
>	In	115	6376.177		
	Sb	121	82.538		
	Sb	123	98.078		
	Ba	137	9.644		
>	Ho	165	2710.064		
	Tl	205	74.812		
	Pb	208	179.066		

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Wednesday, June 13, 2007 16:24:10
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070613D\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070613A.sam
Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4100.50	0.008	0.951600	ppb
	Be	9	755.02	0.002	1.008044	ppb
	Al	27	569964.71	1.229	105.307878	ppb
>	Sc	45	451108.76	451108.762		ppb
	Ti	48	4619.22	0.002	0.950373	ppb
	V	51	12371.84	0.002	1.034652	ppb
	Cr	52	20223.30	0.002	1.096656	ppb
	Cr	53	5135.92	0.000	0.840750	ppb
	Fe	54	97234.84	0.010	60.394932	ppb
	Mn	55	13633.50	0.004	1.040121	ppb
	Co	59	9350.06	0.003	1.013182	ppb
	Ni	60	2255.18	0.001	1.024141	ppb
	Cu	63	4906.84	0.001	1.013843	ppb
	Cu	65	2438.21	0.001	1.032917	ppb
	Zn	66	8983.82	0.002	5.302223	ppb
	Zn	67	1802.11	0.000	4.670493	ppb
	Zn	68	6213.35	0.002	5.255886	ppb
	As	75	1807.90	0.000	0.995493	ppb
	Se	77	186.00	0.000	1.171032	ppb
	Se	82	129.83	0.000	0.941053	ppb
>	Y	89	3430068.47	3430068.470		ppb
	Ag	107	9061.87	0.020	1.028346	ppb
	Ag	109	8543.55	0.019	1.006671	ppb

	Cd	111	3540.32	0.005	0.949420	ppb
	Cd	114	5112.28	0.011	0.992907	ppb
>	In	115	435530.54	435530.544		ppb
	Sb	121	8701.65	0.017	0.886784	ppb
	Sb	123	6777.59	0.013	0.882281	ppb
	Ba	137	3833.51	0.005	1.000873	ppb
>	Ho	165	689030.41	689030.409		ppb
	Tl	205	29311.04	0.042	1.019617	ppb
	Pb	208	42315.77	0.060	1.065121	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4014.49	0.007	0.898191	ppb
	Be	9	733.02	0.002	0.950818	ppb
	Al	27	579220.04	1.216	104.162211	ppb
>	Sc	45	463339.00	463338.998		ppb
	Ti	48	4662.07	0.002	0.928419	ppb
	V	51	12140.72	0.002	0.946681	ppb
	Cr	52	20127.17	0.002	0.979658	ppb
	Cr	53	5068.90	0.000	0.560857	ppb
	Fe	54	97394.63	0.009	54.335183	ppb
	Mn	55	13666.53	0.003	1.000739	ppb
	Co	59	9500.16	0.003	0.990948	ppb
	Ni	60	2241.18	0.001	0.973363	ppb
	Cu	63	5071.90	0.001	1.008727	ppb
	Cu	65	2457.21	0.001	0.999110	ppb
	Zn	66	8899.77	0.002	5.006698	ppb
	Zn	67	1720.10	0.000	4.045216	ppb
	Zn	68	6090.30	0.001	4.914334	ppb
	As	75	1816.22	0.000	0.957630	ppb
	Se	77	191.00	0.000	1.149760	ppb
	Se	82	134.09	0.000	0.935971	ppb
>	Y	89	3561660.30	3561660.300		ppb
	Ag	107	8804.71	0.018	0.954422	ppb
	Ag	109	8648.62	0.018	0.975438	ppb
	Cd	111	3562.43	0.004	0.891511	ppb
	Cd	114	5168.05	0.011	0.961281	ppb
>	In	115	454374.05	454374.050		ppb
	Sb	121	8885.76	0.016	0.864098	ppb
	Sb	123	6944.67	0.013	0.863159	ppb
	Ba	137	3941.54	0.005	1.005094	ppb
>	Ho	165	705562.76	705562.755		ppb
	Tl	205	29443.31	0.041	0.999807	ppb
	Pb	208	41332.57	0.057	1.014534	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	4063.50	0.007	0.907803	ppb
	Be	9	772.02	0.002	0.999908	ppb
	Al	27	582403.63	1.219	104.392453	ppb
>	Sc	45	464886.06	464886.061		ppb
	Ti	48	4947.47	0.002	0.976544	ppb

	V	51	12174.05	0.002	0.953631	ppb
	Cr	52	20430.60	0.002	1.025419	ppb
	Cr	53	4974.87	0.000	0.470898	ppb
	Fe	54	97599.52	0.009	54.988005	ppb
	Mn	55	13712.58	0.004	1.006470	ppb
	Co	59	9548.19	0.003	0.997942	ppb
	Ni	60	2150.16	0.001	0.929388	ppb
	Cu	63	5051.89	0.001	1.006365	ppb
	Cu	65	2445.21	0.001	0.995709	ppb
	Zn	66	9021.85	0.002	5.102304	ppb
	Zn	67	1769.11	0.000	4.261428	ppb
	Zn	68	6242.36	0.002	5.068905	ppb
	As	75	1714.34	0.000	0.896379	ppb
	Se	77	169.00	0.000	0.933741	ppb
	Se	82	107.04	0.000	0.744993	ppb
>	Y	89	3555112.25	3555112.246		ppb
	Ag	107	8862.75	0.019	0.969743	ppb
	Ag	109	8494.52	0.018	0.965905	ppb
	Cd	111	3660.41	0.005	0.948765	ppb
	Cd	114	5095.44	0.011	0.955809	ppb
>	In	115	450484.92	450484.920		ppb
	Sb	121	8774.69	0.016	0.859933	ppb
	Sb	123	6827.36	0.012	0.854312	ppb
	Ba	137	3860.52	0.005	0.985305	ppb
>	Ho	165	704509.64	704509.644		ppb
	Tl	205	29536.50	0.041	1.004572	ppb
	Pb	208	41840.14	0.058	1.028965	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	4059.50	0.007	0.919198	ppb
	Be	9	753.35	0.002	0.986257	ppb
	Al	27	577196.12	1.221	104.620848	ppb
>	Sc	45	459777.94	459777.940		ppb
	Ti	48	4742.92	0.002	0.951779	ppb
	V	51	12228.87	0.002	0.978321	ppb
	Cr	52	20260.36	0.002	1.033911	ppb
	Cr	53	5059.90	0.000	0.624168	ppb
	Fe	54	97409.66	0.009	56.572707	ppb
	Mn	55	13670.87	0.004	1.015777	ppb
	Co	59	9466.14	0.003	1.000691	ppb
	Ni	60	2215.51	0.001	0.975631	ppb
	Cu	63	5010.21	0.001	1.009645	ppb
	Cu	65	2446.88	0.001	1.009245	ppb
	Zn	66	8968.48	0.002	5.137075	ppb
	Zn	67	1763.78	0.000	4.325712	ppb
	Zn	68	6182.00	0.002	5.079708	ppb
	As	75	1779.49	0.000	0.949834	ppb
	Se	77	182.00	0.000	1.084845	ppb

	Se	82	123.65	0.000	0.874006	ppb
>	Y	89	3515613.67	3515613.672		ppb
	Ag	107	8909.78	0.019	0.984171	ppb
	Ag	109	8562.23	0.018	0.982672	ppb
	Cd	111	3587.72	0.005	0.929899	ppb
	Cd	114	5125.26	0.011	0.969999	ppb
>	In	115	446796.50	446796.504		ppb
	Sb	121	8787.37	0.016	0.870272	ppb
	Sb	123	6849.87	0.013	0.866584	ppb
	Ba	137	3878.53	0.005	0.997091	ppb
>	Ho	165	699700.94	699700.936		ppb
	Tl	205	29430.28	0.041	1.007998	ppb
	Pb	208	41829.49	0.058	1.036207	ppb

Relative Std. Dev.

Net Intens. RSD
3.097
3.139
0.579
1.642
2.531
4.999
5.703
30.902
5.880
2.095
1.136
4.860
0.379
2.038
2.936
7.341
3.367
5.266
12.102
12.787
2.109
3.964
2.170
3.575
2.065
2.227
1.661
1.650
1.045
1.323
1.026
2.515

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	43.148	0.000	0.028
	Be	9	19.554	0.000	0.031
	Al	27	6461.721	0.007	0.606
>	Sc	45	7547.473	7547.473	
	Ti	48	178.438	0.000	0.024
	V	51	124.928	0.000	0.049
	Cr	52	155.072	0.000	0.059
	Cr	53	80.905	0.000	0.193
	Fe	54	182.803	0.001	3.326
	Mn	55	39.716	0.000	0.021
	Co	59	103.354	0.000	0.011
	Ni	60	57.020	0.000	0.047
	Cu	63	90.078	0.000	0.004
	Cu	65	9.611	0.000	0.021
	Zn	66	62.468	0.000	0.151
	Zn	67	41.264	0.000	0.318
	Zn	68	80.734	0.000	0.171
	As	75	56.573	0.000	0.050
	Se	77	11.533	0.000	0.131
	Se	82	14.546	0.000	0.112
>	Y	89	74156.628	74156.628	
	Ag	107	134.877	0.001	0.039
	Ag	109	78.726	0.000	0.021
	Cd	111	63.915	0.000	0.033
	Cd	114	38.006	0.000	0.020
>	In	115	9948.504	9948.504	
	Sb	121	92.709	0.000	0.014
	Sb	123	85.782	0.000	0.014
	Ba	137	56.220	0.000	0.010
>	Ho	165	9255.937	9255.937	
	Tl	205	113.295	0.000	0.010
	Pb	208	491.684	0.001	0.026

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Wednesday, June 13, 2007 16:29:21
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070613D\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070613A.sam
Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	76810.40	0.167	20.945032	ppb
	Be	9	15056.93	0.033	20.572672	ppb
	Al	27	10512977.24	23.015	1971.382591	ppb
>	Sc	45	456109.86	456109.856		ppb
	Ti	48	121807.60	0.036	20.858774	ppb
	V	51	168494.08	0.048	21.267563	ppb
	Cr	52	166249.77	0.045	21.468965	ppb
	Cr	53	22967.45	0.005	20.496713	ppb
	Fe	54	133076.56	0.020	123.836279	ppb
	Mn	55	265248.84	0.077	22.064336	ppb
	Co	59	198255.20	0.058	21.945546	ppb
	Ni	60	41633.58	0.012	21.705161	ppb
	Cu	63	95131.70	0.028	21.711204	ppb
	Cu	65	45566.56	0.013	21.370603	ppb
	Zn	66	30828.23	0.009	20.964327	ppb
	Zn	67	5627.11	0.001	21.129877	ppb
	Zn	68	21881.75	0.006	20.656432	ppb
	As	75	32633.26	0.009	20.878182	ppb
	Se	77	2127.16	0.001	21.272592	ppb
	Se	82	2905.43	0.001	21.460105	ppb
>	Y	89	3425991.38	3425991.379		ppb
	Ag	107	174932.53	0.405	20.950307	ppb
	Ag	109	171494.22	0.397	21.296674	ppb

	Cd	111	45390.33	0.102	20.459609	ppb
	Cd	114	103883.03	0.241	20.911736	ppb
>	In	115	431007.34	431007.336		ppb
	Sb	121	172002.27	0.396	21.200196	ppb
	Sb	123	132144.24	0.304	20.925758	ppb
	Ba	137	76500.28	0.111	20.520853	ppb
>	Ho	165	690605.81	690605.812		ppb
	Tl	205	592486.81	0.857	20.978471	ppb
	Pb	208	837676.18	1.211	21.631125	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	76414.07	0.149	18.720644	ppb
	Be	9	14711.57	0.029	18.073989	ppb
	Al	27	10462422.80	20.597	1764.209730	ppb
>	Sc	45	507132.43	507132.430		ppb
	Ti	48	120202.71	0.032	18.559023	ppb
	V	51	168042.19	0.043	19.047259	ppb
	Cr	52	163831.07	0.039	18.862937	ppb
	Cr	53	22553.79	0.005	17.573652	ppb
	Fe	54	133831.42	0.017	101.727057	ppb
	Mn	55	258225.92	0.068	19.335713	ppb
	Co	59	192073.61	0.050	19.147850	ppb
	Ni	60	40171.40	0.010	18.843015	ppb
	Cu	63	92295.18	0.024	18.958843	ppb
	Cu	65	44778.07	0.012	18.902724	ppb
	Zn	66	30268.03	0.007	18.409516	ppb
	Zn	67	5428.03	0.001	17.956227	ppb
	Zn	68	21607.33	0.005	18.279458	ppb
	As	75	31951.15	0.008	18.392474	ppb
	Se	77	2101.15	0.001	18.843552	ppb
	Se	82	2654.24	0.001	17.655387	ppb
>	Y	89	3803587.17	3803587.169		ppb
	Ag	107	176866.12	0.366	18.935567	ppb
	Ag	109	172046.80	0.356	19.099504	ppb
	Cd	111	44907.51	0.090	18.021034	ppb
	Cd	114	102468.81	0.212	18.440911	ppb
>	In	115	482019.86	482019.864		ppb
	Sb	121	167624.70	0.344	18.450470	ppb
	Sb	123	130760.85	0.269	18.493462	ppb
	Ba	137	75475.86	0.099	18.284130	ppb
>	Ho	165	764566.44	764566.436		ppb
	Tl	205	580446.33	0.758	18.561535	ppb
	Pb	208	814165.00	1.063	18.986367	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	76030.37	0.155	19.414158	ppb
	Be	9	15077.95	0.031	19.302894	ppb
	Al	27	10834916.19	22.226	1903.815566	ppb
>	Sc	45	486734.99	486734.991		ppb
	Ti	48	121710.69	0.034	19.590646	ppb

	V	51	170669.59	0.046	20.210610	ppb
	Cr	52	166843.63	0.042	20.142919	ppb
	Cr	53	22732.07	0.005	18.720905	ppb
	Fe	54	133647.43	0.018	110.568563	ppb
	Mn	55	262747.25	0.072	20.526335	ppb
	Co	59	194366.30	0.053	20.210886	ppb
	Ni	60	41516.24	0.011	20.323671	ppb
	Cu	63	95840.41	0.026	20.542894	ppb
	Cu	65	45834.41	0.012	20.188538	ppb
	Zn	66	30786.14	0.008	19.598549	ppb
	Zn	67	5419.03	0.001	18.824107	ppb
	Zn	68	21988.91	0.006	19.453922	ppb
	As	75	32348.63	0.009	19.431555	ppb
	Se	77	2120.16	0.001	19.871129	ppb
	Se	82	2800.37	0.001	19.430281	ppb
>	Y	89	3646758.99	3646758.994		ppb
	Ag	107	179620.16	0.387	20.047667	ppb
	Ag	109	173603.47	0.375	20.090874	ppb
	Cd	111	45666.05	0.095	19.142451	ppb
	Cd	114	104869.14	0.226	19.673966	ppb
>	In	115	462435.24	462435.238		ppb
	Sb	121	170833.37	0.366	19.611456	ppb
	Sb	123	131910.47	0.283	19.455917	ppb
	Ba	137	75814.64	0.107	19.790585	ppb
>	Ho	165	709631.02	709631.018		ppb
	Tl	205	582910.69	0.821	20.085141	ppb
	Pb	208	828513.27	1.166	20.819739	ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	76418.28	0.157	19.693278	ppb
	Be	9	14948.82	0.031	19.316518	ppb
	Al	27	10603438.75	21.946	1879.802629	ppb
>	Sc	45	483325.76	483325.759		ppb
	Ti	48	121240.33	0.034	19.669481	ppb
	V	51	169068.62	0.045	20.175144	ppb
	Cr	52	165641.49	0.042	20.158273	ppb
	Cr	53	22751.10	0.005	18.930423	ppb
	Fe	54	133518.47	0.019	112.043967	ppb
	Mn	55	262074.00	0.072	20.642128	ppb
	Co	59	194898.37	0.054	20.434760	ppb
	Ni	60	41107.07	0.011	20.290616	ppb
	Cu	63	94422.43	0.026	20.404314	ppb
	Cu	65	45393.01	0.012	20.153955	ppb
	Zn	66	30627.47	0.008	19.657464	ppb
	Zn	67	5491.39	0.001	19.303404	ppb
	Zn	68	21825.99	0.006	19.463271	ppb
	As	75	32311.02	0.009	19.567404	ppb
	Se	77	2116.16	0.001	19.995758	ppb

	Se	82	2786.68	0.001	19.515258	ppb
>	Y	89	3625445.85	3625445.847		ppb
	Ag	107	177139.61	0.386	19.977847	ppb
	Ag	109	172381.50	0.376	20.162351	ppb
	Cd	111	45321.30	0.096	19.207698	ppb
	Cd	114	103740.33	0.226	19.675538	ppb
>	In	115	458487.48	458487.479		ppb
	Sb	121	170153.45	0.369	19.754041	ppb
	Sb	123	131605.19	0.285	19.625046	ppb
	Ba	137	75930.26	0.105	19.531856	ppb
>	Ho	165	721601.09	721601.089		ppb
	Tl	205	585281.28	0.812	19.875049	ppb
	Pb	208	826784.81	1.147	20.479077	ppb

Relative Std. Dev.

Net Intens. RSD
5.779
6.468
5.620
5.314
5.856
5.505
6.464
7.780
9.932
6.627
6.911
7.054
6.770
6.124
6.504
8.497
6.106
6.380
6.098
9.755
5.232
5.052
5.457
6.355
6.279
5.613
6.988
6.242
5.840
5.322
6.149
6.616

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	390.036	0.009	1.138
Be	9	205.731	0.002	1.249
Al	27	202052.703	1.233	105.653
> Sc	45	25681.567	25681.567	
Ti	48	899.912	0.002	1.152
V	51	1404.769	0.003	1.111
Cr	52	1595.742	0.003	1.303
Cr	53	207.485	0.000	1.473
Fe	54	393.608	0.002	11.128
Mn	55	3559.538	0.005	1.368
Co	59	3124.955	0.004	1.412
Ni	60	812.436	0.001	1.431
Cu	63	1876.022	0.002	1.381
Cu	65	549.138	0.001	1.234
Zn	66	311.989	0.001	1.278
Zn	67	117.622	0.000	1.640
Zn	68	196.805	0.000	1.189
As	75	342.608	0.001	1.248
Se	77	13.456	0.000	1.219
Se	82	126.157	0.000	1.904
> Y	89	189698.004	189698.004	
Ag	107	2355.753	0.020	1.009
Ag	109	1093.730	0.021	1.100
Cd	111	383.953	0.006	1.221
Cd	114	1206.509	0.014	1.235
> In	115	25734.375	25734.375	
Sb	121	2266.609	0.026	1.380
Sb	123	740.502	0.018	1.225
Ba	137	521.909	0.006	1.141
> Ho	165	38405.800	38405.800	
Tl	205	6360.665	0.050	1.222
Pb	208	11850.509	0.076	1.355

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Wednesday, June 13, 2007 16:34:32
Sample Description:
Solution Type: Standard
Blank File: C:\elandata\Dataset\A070613D\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070613A.sam
Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	378218.92	0.800	100.356916	ppb
|	Be	9	77208.08	0.163	102.069058	ppb
|	Al	27	55356428.54	117.227	10041.197366	ppb
⌊>	Sc	45	472077.21	472077.209		ppb
⌈	Ti	48	614547.01	0.171	99.589036	ppb
|	V	51	817058.10	0.226	100.266522	ppb
|	Cr	52	766843.76	0.210	100.148051	ppb
|	Cr	53	99911.16	0.026	100.038127	ppb
|	Fe	54	1263206.03	0.333	2011.589522	ppb
|	Mn	55	1242473.19	0.345	98.766671	ppb
|	Co	59	937123.90	0.260	98.866433	ppb
|	Ni	60	200039.82	0.056	99.886961	ppb
|	Cu	63	455411.09	0.126	99.375651	ppb
|	Cu	65	222035.18	0.062	99.592383	ppb
|	Zn	66	149349.63	0.041	100.801176	ppb
|	Zn	67	25316.41	0.007	100.619986	ppb
|	Zn	68	108156.88	0.030	100.353839	ppb
|	As	75	164280.83	0.046	100.737836	ppb
|	Se	77	10654.97	0.003	104.315222	ppb
|	Se	82	14557.42	0.004	102.466802	ppb
⌊>	Y	89	3597398.24	3597398.240		ppb
⌈	Ag	107	860567.28	1.912	98.919753	ppb
|	Ag	109	838515.14	1.863	99.930003	ppb

	Cd	111	226102.80	0.499	100.215771	ppb
	Cd	114	517222.93	1.149	99.851923	ppb
>	In	115	449874.56	449874.564		ppb
	Sb	121	835573.04	1.854	99.341245	ppb
	Sb	123	656188.96	1.456	100.265051	ppb
	Ba	137	386362.96	0.541	100.409861	ppb
>	Ho	165	713689.90	713689.905		ppb
	Tl	205	2903908.14	4.068	99.575481	ppb
	Pb	208	3871210.62	5.422	96.842087	ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	383392.47	0.799	100.227364	ppb
	Be	9	75795.54	0.158	98.720979	ppb
	Al	27	56115051.12	117.079	10028.509174	ppb
>	Sc	45	479152.00	479151.996		ppb
	Ti	48	626730.34	0.172	100.093226	ppb
	V	51	818271.11	0.223	98.955313	ppb
	Cr	52	773928.93	0.208	99.601915	ppb
	Cr	53	101323.05	0.026	99.981523	ppb
	Fe	54	1265847.59	0.328	1985.257256	ppb
	Mn	55	1277991.74	0.350	100.121757	ppb
	Co	59	965299.25	0.264	100.365963	ppb
	Ni	60	203095.48	0.056	99.945728	ppb
	Cu	63	466084.17	0.128	100.234237	ppb
	Cu	65	225603.44	0.062	99.729112	ppb
	Zn	66	150320.73	0.041	99.979755	ppb
	Zn	67	25513.76	0.007	99.916518	ppb
	Zn	68	108954.91	0.030	99.625723	ppb
	As	75	165142.15	0.045	99.799425	ppb
	Se	77	10740.04	0.003	103.621889	ppb
	Se	82	14274.34	0.004	99.020095	ppb
>	Y	89	3650205.34	3650205.339		ppb
	Ag	107	872468.61	1.939	100.323567	ppb
	Ag	109	835212.87	1.856	99.571136	ppb
	Cd	111	224928.40	0.497	99.726834	ppb
	Cd	114	519033.45	1.154	100.236632	ppb
>	In	115	449717.13	449717.131		ppb
	Sb	121	842262.21	1.869	100.173111	ppb
	Sb	123	654127.17	1.452	99.984471	ppb
	Ba	137	385480.60	0.543	100.811718	ppb
>	Ho	165	709222.46	709222.460		ppb
	Tl	205	2908278.88	4.100	100.353701	ppb
	Pb	208	4035534.04	5.688	101.590259	ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
	Li	6	383966.93	0.794	99.602177	ppb
	Be	9	77080.39	0.160	99.620465	ppb
	Al	27	56403313.96	116.773	10002.273257	ppb
>	Sc	45	482876.30	482876.300		ppb
	Ti	48	627110.78	0.173	100.517496	ppb

V	51	829383.83	0.227	100.673728	ppb
Cr	52	775326.75	0.210	100.154052	ppb
Cr	53	101583.90	0.027	100.633371	ppb
Fe	54	1270645.05	0.331	2000.853674	ppb
Mn	55	1281036.13	0.352	100.725821	ppb
Co	59	963150.23	0.265	100.506727	ppb
Ni	60	202456.51	0.056	99.993674	ppb
Cu	63	463992.71	0.127	100.147235	ppb
Cu	65	226714.82	0.062	100.585856	ppb
Zn	66	148923.21	0.040	99.404029	ppb
Zn	67	25437.63	0.007	99.982597	ppb
Zn	68	109321.70	0.030	100.330520	ppb
As	75	164419.30	0.045	99.723801	ppb
Se	77	10762.05	0.003	104.216196	ppb
Se	82	14192.12	0.004	98.807728	ppb
> Y	89	3636979.18	3636979.180		ppb
Ag	107	870261.92	1.948	100.770447	ppb
Ag	109	836325.20	1.872	100.401970	ppb
Cd	111	225162.56	0.501	100.534880	ppb
Cd	114	514759.59	1.152	100.107022	ppb
> In	115	446591.35	446591.350		ppb
Sb	121	840275.17	1.878	100.637112	ppb
Sb	123	649548.08	1.452	99.979453	ppb
Ba	137	381373.55	0.534	99.059395	ppb
> Ho	165	714074.42	714074.423		ppb
Tl	205	2922102.82	4.091	100.145548	ppb
Pb	208	4050701.92	5.671	101.279122	ppb

Mean Values

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
Li	6	381859.44	0.797	100.062152	ppb
Be	9	76694.67	0.160	100.136834	ppb
Al	27	55958264.54	117.026	10023.993266	ppb
> Sc	45	478035.17	478035.169		ppb
Ti	48	622796.04	0.172	100.066586	ppb
V	51	821571.01	0.225	99.965188	ppb
Cr	52	772033.15	0.209	99.968006	ppb
Cr	53	100939.37	0.027	100.217674	ppb
Fe	54	1266566.22	0.331	1999.233484	ppb
Mn	55	1267167.02	0.349	99.871417	ppb
Co	59	955191.13	0.263	99.913041	ppb
Ni	60	201863.94	0.056	99.942121	ppb
Cu	63	461829.32	0.127	99.919041	ppb
Cu	65	224784.48	0.062	99.969117	ppb
Zn	66	149531.19	0.041	100.061653	ppb
Zn	67	25422.60	0.007	100.173034	ppb
Zn	68	108811.16	0.030	100.103360	ppb
As	75	164614.10	0.045	100.087021	ppb
Se	77	10719.02	0.003	104.051103	ppb

	Se	82	14341.29	0.004	100.098208	ppb
>	Y	89	3628194.25	3628194.253		ppb
	Ag	107	867765.94	1.933	100.004589	ppb
	Ag	109	836684.40	1.864	99.967703	ppb
	Cd	111	225397.92	0.499	100.159161	ppb
	Cd	114	517005.32	1.152	100.065192	ppb
>	In	115	448727.68	448727.682		ppb
	Sb	121	839370.14	1.867	100.050489	ppb
	Sb	123	653288.07	1.453	100.076325	ppb
	Ba	137	384405.70	0.539	100.093658	ppb
>	Ho	165	712328.93	712328.929		ppb
	Tl	205	2911429.95	4.086	100.024910	ppb
	Pb	208	3985815.52	5.594	99.903823	ppb

Relative Std. Dev.

Net Intens. RSD
0.403
1.730
0.198
1.148
0.464
0.898
0.317
0.360
0.662
1.005
0.910
0.053
0.473
0.539
0.702
0.388
0.413
0.564
0.360
2.052
0.757
0.966
0.417
0.406
0.196
0.413
0.656
0.163
0.917
0.379
0.403
2.659

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	3165.840	0.003	0.404
	Be	9	781.280	0.003	1.733
	Al	27	540766.857	0.232	19.851
>	Sc	45	5485.487	5485.487	
	Ti	48	7146.401	0.001	0.465
	V	51	6793.225	0.002	0.898
	Cr	52	4548.160	0.001	0.317
	Cr	53	899.955	0.000	0.361
	Fe	54	3771.219	0.002	13.241
	Mn	55	21439.590	0.004	1.003
	Co	59	15683.527	0.002	0.909
	Ni	60	1611.715	0.000	0.053
	Cu	63	5655.869	0.001	0.473
	Cu	65	2444.950	0.000	0.538
	Zn	66	716.234	0.000	0.702
	Zn	67	99.530	0.000	0.388
	Zn	68	595.564	0.000	0.414
	As	75	462.522	0.000	0.565
	Se	77	56.549	0.000	0.375
	Se	82	191.634	0.000	2.054
>	Y	89	27477.784	27477.784	
	Ag	107	6331.104	0.019	0.966
	Ag	109	1680.184	0.008	0.417
	Cd	111	621.570	0.002	0.407
	Cd	114	2145.220	0.002	0.196
>	In	115	1851.791	1851.791	
	Sb	121	3435.193	0.012	0.657
	Sb	123	3399.028	0.002	0.163
	Ba	137	2662.728	0.005	0.918
>	Ho	165	2697.142	2697.142	
	Tl	205	9497.815	0.016	0.403
	Pb	208	99540.092	0.149	2.656

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Wednesday, June 13, 2007 16:19:01
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	697.681				ppb
	Be	9	27.333				ppb
	Al	27	15758.742				ppb
>	Sc	45	462896.147				ppb
	Ti	48	-1016.552				ppb
	V	51	4532.166				ppb
	Cr	52	12787.054				ppb
	Cr	53	4526.051				ppb
	Fe	54	65181.421				ppb
	Mn	55	1211.051				ppb
	Co	59	202.001				ppb
	Ni	60	313.337				ppb
	Cu	63	498.675				ppb
	Cu	65	253.669				ppb
	Zn	66	1631.760				ppb
	Zn	67	740.019				ppb
	Zn	68	887.361				ppb
	As	75	271.826				ppb
	Se	77	75.334				ppb
	Se	82	2.456				ppb
>	Y	89	3550896.435				ppb
	Ag	107	418.673				ppb
	Ag	109	382.005				ppb
	Cd	111	1530.292				ppb
	Cd	114	138.959				ppb
>	In	115	450148.452				ppb
	Sb	121	1544.084				ppb
	Sb	123	1238.327				ppb
	Ba	137	119.000				ppb
>	Ho	165	703669.197				ppb
	Tl	205	622.680				ppb
	Pb	208	1248.688				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Wednesday, June 13, 2007 16:24:10
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	4059.495	**0.919**	0.03	3.1	ppb
	Be	9	753.353	**0.986**	0.03	3.1	ppb
	Al	27	577196.124	**104.621**	0.61	0.6	ppb
>	Sc	45	459777.940				ppb
	Ti	48	4742.919	**0.952**	0.02	2.5	ppb
	V	51	12228.870	**0.978**	0.05	5.0	ppb
	Cr	52	20260.357	**1.034**	0.06	5.7	ppb
	Cr	53	5059.896	**0.624**	0.19	30.9	ppb
	Fe	54	97409.664	**56.573**	3.33	5.9	ppb
	Mn	55	13670.871	**1.016**	0.02	2.1	ppb
	Co	59	9466.135	**1.001**	0.01	1.1	ppb
	Ni	60	2215.505	**0.976**	0.05	4.9	ppb
	Cu	63	5010.212	**1.010**	0.00	0.4	ppb
	Cu	65	2446.876	**1.009**	0.02	2.0	ppb
	Zn	66	8968.481	**5.137**	0.15	2.9	ppb
	Zn	67	1763.776	**4.326**	0.32	7.3	ppb
	Zn	68	6182.004	**5.080**	0.17	3.4	ppb
	As	75	1779.486	**0.950**	0.05	5.3	ppb
	Se	77	182.001	**1.085**	0.13	12.1	ppb
	Se	82	123.653	**0.874**	0.11	12.8	ppb
>	Y	89	3515613.672				ppb
	Ag	107	8909.778	**0.984**	0.04	4.0	ppb
	Ag	109	8562.232	**0.983**	0.02	2.2	ppb
	Cd	111	3587.716	**0.930**	0.03	3.6	ppb
	Cd	114	5125.259	**0.970**	0.02	2.1	ppb
>	In	115	446796.504				ppb
	Sb	121	8787.369	**0.870**	0.01	1.7	ppb
	Sb	123	6849.874	**0.867**	0.01	1.6	ppb
	Ba	137	3878.527	**0.997**	0.01	1.0	ppb
>	Ho	165	699700.936				ppb
	Tl	205	29430.284	**1.008**	0.01	1.0	ppb
	Pb	208	41829.494	**1.036**	0.03	2.5	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Wednesday, June 13, 2007 16:29:21
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	76418.280	**19.693**	1.14	5.8	ppb
	Be	9	14948.818	**19.317**	1.25	6.5	ppb
	Al	27	10603438.746	**1879.803**	105.65	5.6	ppb
>	Sc	45	483325.759				ppb
	Ti	48	121240.330	**19.669**	1.15	5.9	ppb
	V	51	169068.619	**20.175**	1.11	5.5	ppb
	Cr	52	165641.488	**20.158**	1.30	6.5	ppb
	Cr	53	22751.103	**18.930**	1.47	7.8	ppb
	Fe	54	133518.470	**112.044**	11.13	9.9	ppb
	Mn	55	262074.002	**20.642**	1.37	6.6	ppb
	Co	59	194898.370	**20.435**	1.41	6.9	ppb
	Ni	60	41107.073	**20.291**	1.43	7.1	ppb
	Cu	63	94422.433	**20.404**	1.38	6.8	ppb
	Cu	65	45393.011	**20.154**	1.23	6.1	ppb
	Zn	66	30627.465	**19.657**	1.28	6.5	ppb
	Zn	67	5491.389	**19.303**	1.64	8.5	ppb
	Zn	68	21825.995	**19.463**	1.19	6.1	ppb
	As	75	32311.015	**19.567**	1.25	6.4	ppb
	Se	77	2116.157	**19.996**	1.22	6.1	ppb
	Se	82	2786.681	**19.515**	1.90	9.8	ppb
>	Y	89	3625445.847				ppb
	Ag	107	177139.605	**19.978**	1.01	5.1	ppb
	Ag	109	172381.495	**20.162**	1.10	5.5	ppb
	Cd	111	45321.296	**19.208**	1.22	6.4	ppb
	Cd	114	103740.325	**19.676**	1.24	6.3	ppb
>	In	115	458487.479				ppb
	Sb	121	170153.446	**19.754**	1.38	7.0	ppb
	Sb	123	131605.185	**19.625**	1.22	6.2	ppb
	Ba	137	75930.261	**19.532**	1.14	5.8	ppb
>	Ho	165	721601.089				ppb
	Tl	205	585281.280	**19.875**	1.22	6.1	ppb
	Pb	208	826784.813	**20.479**	1.35	6.6	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89					
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115					
Sb	121					
Sb	123					
Ba	137					
> Ho	165					
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Wednesday, June 13, 2007 16:34:32
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	381859.436	**100.062**	0.40	0.4	ppb
	Be	9	76694.669	**100.137**	1.73	1.7	ppb
	Al	27	55958264.543	**10023.993**	19.85	0.2	ppb
>	Sc	45	478035.169				ppb
	Ti	48	622796.043	**100.067**	0.46	0.5	ppb
	V	51	821571.012	**99.965**	0.90	0.9	ppb
	Cr	52	772033.146	**99.968**	0.32	0.3	ppb
	Cr	53	100939.370	**100.218**	0.36	0.4	ppb
	Fe	54	1266566.223	**1999.233**	13.24	0.7	ppb
	Mn	55	1267167.018	**99.871**	1.00	1.0	ppb
	Co	59	955191.129	**99.913**	0.91	0.9	ppb
	Ni	60	201863.937	**99.942**	0.05	0.1	ppb
	Cu	63	461829.321	**99.919**	0.47	0.5	ppb
	Cu	65	224784.480	**99.969**	0.54	0.5	ppb
	Zn	66	149531.189	**100.062**	0.70	0.7	ppb
	Zn	67	25422.601	**100.173**	0.39	0.4	ppb
	Zn	68	108811.165	**100.103**	0.41	0.4	ppb
	As	75	164614.095	**100.087**	0.56	0.6	ppb
	Se	77	10719.020	**104.051**	0.37	0.4	ppb
	Se	82	14341.291	**100.098**	2.05	2.1	ppb
>	Y	89	3628194.253				ppb
	Ag	107	867765.936	**100.005**	0.97	1.0	ppb
	Ag	109	836684.403	**99.968**	0.42	0.4	ppb
	Cd	111	225397.920	**100.159**	0.41	0.4	ppb
	Cd	114	517005.323	**100.065**	0.20	0.2	ppb
>	In	115	448727.682				ppb
	Sb	121	839370.142	**100.050**	0.66	0.7	ppb
	Sb	123	653288.071	**100.076**	0.16	0.2	ppb
	Ba	137	384405.704	**100.094**	0.92	0.9	ppb
>	Ho	165	712328.929				ppb
	Tl	205	2911429.946	**100.025**	0.40	0.4	ppb
	Pb	208	3985815.525	**99.904**	2.66	2.7	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	Ti	48					
	V	51					
	Cr	52					
	Cr	53					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89					
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115					
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165					
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Wednesday, June 13, 2007 16:49:59
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 4.007

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	1025.364	**0.104**	0.01	10.5	ppb
	Be	9	23.333	**-0.004**	0.00	129.9	ppb
	Al	27	231503231.790	**45188.820**	573.67	1.3	ppb
>	Sc	45	438823.093				ppb
	Ti	48	6160890.135	**1029.225**	12.56	1.2	ppb
	V	51	7795.278	**0.426**	0.10	22.8	ppb
	Cr	52	18344.772	**0.795**	0.00	0.1	ppb
	Cr	53	8528.884	**4.426**	0.44	9.9	ppb
	Fe	54	65180739.389	**112964.560**	1281.30	1.1	ppb
	Mn	55	6439.784	**0.431**	0.00	0.9	ppb
	Co	59	2648.912	**0.267**	0.01	2.5	ppb
	Ni	60	3951.213	**1.882**	0.08	4.3	ppb
	Cu	63	10810.756	**2.328**	0.05	2.4	ppb
	Cu	65	4866.496	**2.141**	0.08	3.9	ppb
	Zn	66	11090.637	**6.687**	0.14	2.0	ppb
	Zn	67	2229.508	**6.355**	0.33	5.1	ppb
	Zn	68	6172.000	**5.122**	0.17	3.4	ppb
	As	75	517.818	**0.160**	0.12	75.4	ppb
	Se	77	1024.703	**9.680**	0.25	2.6	ppb
	Se	82	-42.644	**-0.327**	0.13	39.3	ppb
>	Y	89	3484570.563				ppb
	Ag	107	1138.045	**0.088**	0.00	3.8	ppb
	Ag	109	1095.709	**0.091**	0.00	4.8	ppb
	Cd	111	1895.100	**0.200**	0.06	31.5	ppb
	Cd	114	6053.156	**1.193**	0.02	1.7	ppb
>	In	115	431302.044				ppb
	Sb	121	777.021	**-0.087**	0.00	3.9	ppb
	Sb	123	624.363	**-0.090**	0.01	12.5	ppb
	Ba	137	2069.483	**0.519**	0.01	2.7	ppb
>	Ho	165	697240.434				ppb
	Tl	205	760.687	**0.005**	0.00	50.1	ppb
	Pb	208	11931.626	**0.274**	0.01	4.0	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27	90.4				
>	Sc	45		94.8			
	Ti	48					
	V	51					
	Cr	52					
	Cr	53					
	Fe	54	90.4				
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		98.1			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		95.8			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		99.1			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	6Li	Q
QC Std 4	9Be	Q
QC Std 4	53Cr	Q
QC Std 4	77Se	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Wednesday, June 13, 2007 16:55:08
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 5.008

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	902.356	0.071	0.01	11.1	ppb
	Be	9	27.333	0.002	0.01	261.4	ppb
	Al	27	231150834.194	45502.154	1950.51	4.3	ppb
>	Sc	45	435520.141				ppb
	Ti	48	6268230.221	1032.314	33.69	3.3	ppb
	V	51	310206.137	38.405	1.61	4.2	ppb
	Cr	52	289834.064	37.473	1.56	4.2	ppb
	Cr	53	44687.790	42.930	1.99	4.6	ppb
	Fe	54	67156798.422	114757.179	4499.78	3.9	ppb
	Mn	55	479284.476	38.724	1.54	4.0	ppb
	Co	59	339506.004	36.453	1.67	4.6	ppb
	Ni	60	73745.220	37.393	1.84	4.9	ppb
	Cu	63	170170.037	37.740	1.87	4.9	ppb
	Cu	65	82060.370	37.396	1.51	4.0	ppb
	Zn	66	34729.498	22.999	0.91	3.9	ppb
	Zn	67	6468.798	23.892	0.70	2.9	ppb
	Zn	68	22734.743	20.808	0.66	3.2	ppb
	As	75	31091.431	19.268	0.63	3.3	ppb
	Se	77	3193.357	31.293	0.93	3.0	ppb
	Se	82	2637.030	18.876	0.55	2.9	ppb
>	Y	89	3536937.656				ppb
	Ag	107	82751.716	9.750	0.60	6.1	ppb
	Ag	109	79506.655	9.712	0.53	5.4	ppb
	Cd	111	43772.458	19.418	0.67	4.5	ppb
	Cd	114	104577.133	20.760	1.09	5.3	ppb
>	In	115	437683.820				ppb
	Sb	121	575.345	-0.114	0.01	4.8	ppb
	Sb	123	434.184	-0.121	0.00	1.8	ppb
	Ba	137	2024.143	0.498	0.03	5.2	ppb
>	Ho	165	710360.837				ppb
	Tl	205	674.349	0.002	0.00	135.1	ppb
	Pb	208	11534.169	0.259	0.01	5.7	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	91.0				
> Sc	45		94.1			
Ti	48					
V	51	96.0				
Cr	52	93.7				
Cr	53	107.3				
Fe	54	91.8				
Mn	55	96.8				
Co	59	91.1				
Ni	60	93.5				
Cu	63	94.3				
Cu	65	93.5				
Zn	66	115.0				
Zn	67	119.5				
Zn	68	104.0				
As	75	96.3				
Se	77	156.5				
Se	82	94.4				
> Y	89		99.6			
Ag	107	97.5				
Ag	109	97.1				
Cd	111	97.1				
Cd	114	103.8				
> In	115		97.2			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		101.0			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	77Se	Q
QC Std 5	107Ag	Q
QC Std 5	109Ag	Q
QC Std 5	114Cd	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Wednesday, June 13, 2007 17:00:18
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 6.009

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	187612.181	**51.766**	0.45	0.9	ppb
	Be	9	36638.607	**50.431**	0.22	0.4	ppb
	Al	27	25680244.734	**4851.165**	49.02	1.0	ppb
>	Sc	45	453219.614				ppb
	Ti	48	303938.023	**51.422**	0.58	1.1	ppb
	V	51	399575.976	**50.833**	0.42	0.8	ppb
	Cr	52	378300.422	**50.662**	0.67	1.3	ppb
	Cr	53	53004.153	**53.166**	0.14	0.3	ppb
	Fe	54	673004.553	**1067.815**	18.28	1.7	ppb
	Mn	55	627361.758	**51.935**	0.42	0.8	ppb
	Co	59	462868.494	**50.890**	0.73	1.4	ppb
	Ni	60	97230.099	**50.529**	0.56	1.1	ppb
	Cu	63	226066.451	**51.365**	0.52	1.0	ppb
	Cu	65	109893.743	**51.323**	0.46	0.9	ppb
	Zn	66	72541.058	**50.476**	0.56	1.1	ppb
	Zn	67	12696.306	**51.133**	0.50	1.0	ppb
	Zn	68	52746.203	**50.597**	0.23	0.5	ppb
	As	75	78990.856	**50.403**	0.22	0.4	ppb
	Se	77	5330.328	**54.036**	1.62	3.0	ppb
	Se	82	6933.075	**50.858**	0.50	1.0	ppb
>	Y	89	3451401.124				ppb
	Ag	107	430375.603	**50.515**	1.61	3.2	ppb
	Ag	109	416820.963	**50.715**	1.06	2.1	ppb
	Cd	111	110002.197	**49.458**	1.15	2.3	ppb
	Cd	114	256688.485	**50.593**	0.57	1.1	ppb
>	In	115	440609.535				ppb
	Sb	121	417504.751	**50.604**	0.81	1.6	ppb
	Sb	123	324872.896	**50.604**	0.81	1.6	ppb
	Ba	137	188123.625	**50.343**	0.28	0.6	ppb
>	Ho	165	692871.783				ppb
	Tl	205	1367437.378	**48.288**	0.27	0.6	ppb
	Pb	208	1986269.253	**51.166**	0.11	0.2	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	103.5				
Be	9	100.9				
Al	27	97.0				
> Sc	45		97.9			
Ti	48	102.8				
V	51	101.7				
Cr	52	101.3				
Cr	53	106.3				
Fe	54	106.8				
Mn	55	103.9				
Co	59	101.8				
Ni	60	101.1				
Cu	63	102.7				
Cu	65	102.6				
Zn	66	101.0				
Zn	67	102.3				
Zn	68	101.2				
As	75	100.8				
Se	77	108.1				
Se	82	101.7				
> Y	89		97.2			
Ag	107	101.0				
Ag	109	101.4				
Cd	111	98.9				
Cd	114	101.2				
> In	115		97.9			
Sb	121	101.2				
Sb	123	101.2				
Ba	137	100.7				
> Ho	165		98.5			
Tl	205	96.6				
Pb	208	102.3				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Wednesday, June 13, 2007 17:05:26
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 7.010

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	669.013	-0.003	0.01	350.0	ppb
	Be	9	23.667	-0.004	0.00	75.0	ppb
	Al	27	24450.629	1.719	0.81	47.2	ppb
>	Sc	45	452203.515				ppb
	Ti	48	-316.282	0.114	0.01	11.3	ppb
	V	51	5866.489	0.177	0.03	16.4	ppb
	Cr	52	12695.305	0.012	0.01	105.3	ppb
	Cr	53	5346.668	0.954	0.22	22.8	ppb
	Fe	54	66016.544	3.044	1.91	62.8	ppb
	Mn	55	1187.383	-0.001	0.01	1036.6	ppb
	Co	59	202.668	0.000	0.01	2035.1	ppb
	Ni	60	304.003	-0.003	0.01	230.3	ppb
	Cu	63	509.676	0.004	0.01	202.1	ppb
	Cu	65	272.669	0.010	0.01	68.7	ppb
	Zn	66	1501.746	-0.075	0.02	27.7	ppb
	Zn	67	812.690	0.350	0.14	40.5	ppb
	Zn	68	828.691	-0.044	0.01	14.8	ppb
	As	75	254.589	-0.008	0.00	29.1	ppb
	Se	77	102.667	0.288	0.09	32.4	ppb
	Se	82	-13.998	-0.119	0.04	36.9	ppb
>	Y	89	3500243.843				ppb
	Ag	107	392.005	-0.002	0.01	258.1	ppb
	Ag	109	342.671	-0.004	0.01	146.4	ppb
	Cd	111	1460.161	-0.017	0.02	101.5	ppb
	Cd	114	132.841	-0.001	0.01	1083.8	ppb
>	In	115	440240.463				ppb
	Sb	121	1524.082	0.002	0.02	887.7	ppb
	Sb	123	1167.241	-0.007	0.01	162.4	ppb
	Ba	137	108.000	-0.002	0.01	236.4	ppb
>	Ho	165	690788.580				ppb
	Tl	205	563.011	-0.002	0.00	201.9	ppb
	Pb	208	1170.019	-0.001	0.00	324.0	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		97.7			
	Ti	48					
	V	51					
	Cr	52					
	Cr	53					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		98.6			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		97.8			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		98.2			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1B
Sample Date/Time: Wednesday, June 13, 2007 17:10:36
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0PX1B.011

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	437.339	**-0.069**	0.01	12.3	ppb
	Be	9	22.333	**-0.006**	0.00	63.4	ppb
	Al	27	42027.065	**4.961**	0.15	3.1	ppb
>	Sc	45	457134.232				ppb
	Ti	48	-645.180	**0.060**	0.01	21.3	ppb
	V	51	4775.118	**0.036**	0.03	75.7	ppb
	Cr	52	13020.264	**0.049**	0.03	60.4	ppb
	Cr	53	4806.809	**0.351**	0.15	42.4	ppb
	Fe	54	66787.298	**3.872**	1.18	30.4	ppb
	Mn	55	1677.098	**0.039**	0.00	5.4	ppb
	Co	59	79.334	**-0.013**	0.00	4.0	ppb
	Ni	60	222.335	**-0.045**	0.00	3.4	ppb
	Cu	63	253.002	**-0.054**	0.00	4.0	ppb
	Cu	65	152.667	**-0.045**	0.01	11.9	ppb
	Zn	66	2402.535	**0.549**	0.03	4.6	ppb
	Zn	67	858.026	**0.525**	0.04	7.5	ppb
	Zn	68	1495.412	**0.591**	0.05	8.7	ppb
	As	75	340.545	**0.045**	0.00	5.9	ppb
	Se	77	95.000	**0.207**	0.11	54.3	ppb
	Se	82	-0.661	**-0.023**	0.04	186.7	ppb
>	Y	89	3516073.184				ppb
	Ag	107	125.334	**-0.034**	0.00	5.1	ppb
	Ag	109	83.334	**-0.036**	0.00	2.9	ppb
	Cd	111	1430.795	**-0.042**	0.01	24.1	ppb
	Cd	114	40.775	**-0.019**	0.00	9.9	ppb
>	In	115	448785.091				ppb
	Sb	121	418.340	**-0.134**	0.00	3.6	ppb
	Sb	123	321.069	**-0.140**	0.01	6.7	ppb
	Ba	137	112.000	**-0.002**	0.00	175.5	ppb
>	Ho	165	703072.140				ppb
	Tl	205	117.334	**-0.018**	0.00	4.5	ppb
	Pb	208	587.338	**-0.017**	0.00	4.0	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		98.8			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		99.0			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		99.7			
Sb	121					
Sb	123					
Ba	137					
Ho	165		99.9			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1C
Sample Date/Time: Wednesday, June 13, 2007 17:15:46
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0PX1C.012

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	189173.726	**50.876**	1.08	2.1	ppb
	Be	9	35961.541	**48.252**	0.88	1.8	ppb
	Al	27	25170258.872	**4633.874**	71.31	1.5	ppb
>	Sc	45	465075.955				ppb
	Ti	48	300006.349	**50.001**	0.88	1.8	ppb
	V	51	398793.058	**49.964**	0.88	1.8	ppb
	Cr	52	370434.834	**48.799**	0.40	0.8	ppb
	Cr	53	49775.567	**48.823**	1.01	2.1	ppb
	Fe	54	2893861.915	**4881.551**	84.94	1.7	ppb
	Mn	55	613912.631	**50.059**	0.88	1.7	ppb
	Co	59	457811.769	**49.579**	0.77	1.6	ppb
	Ni	60	94679.437	**48.453**	0.54	1.1	ppb
	Cu	63	223858.498	**50.095**	0.42	0.8	ppb
	Cu	65	108226.770	**49.782**	0.55	1.1	ppb
	Zn	66	72882.119	**49.942**	0.77	1.5	ppb
	Zn	67	12458.430	**49.320**	0.81	1.6	ppb
	Zn	68	52671.589	**49.760**	0.96	1.9	ppb
	As	75	73576.251	**46.232**	0.73	1.6	ppb
	Se	77	5083.905	**50.713**	0.40	0.8	ppb
	Se	82	6711.995	**48.511**	1.69	3.5	ppb
>	Y	89	3504481.329				ppb
	Ag	107	85147.004	**9.795**	0.07	0.7	ppb
	Ag	109	81888.039	**9.769**	0.06	0.6	ppb
	Cd	111	109147.690	**48.278**	0.19	0.4	ppb
	Cd	114	252164.872	**48.924**	0.63	1.3	ppb
>	In	115	447553.879				ppb
	Sb	121	407989.661	**48.664**	0.08	0.2	ppb
	Sb	123	315570.016	**48.373**	0.29	0.6	ppb
	Ba	137	184572.696	**48.700**	0.47	1.0	ppb
>	Ho	165	702766.852				ppb
	Tl	205	1340121.692	**46.659**	0.49	1.0	ppb
	Pb	208	1946322.138	**49.433**	0.38	0.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		100.5			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		98.7			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		99.4			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		99.9			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKA
Sample Date/Time: Wednesday, June 13, 2007 17:20:56
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0DKA.013

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	129951.614	33.577	1.54	4.6	ppb
	Be	9	32.667	0.005	0.01	118.4	ppb
	Al	27	311773.369	52.374	2.37	4.5	ppb
>	Sc	45	483601.691				ppb
	Ti	48	303412.765	48.359	3.70	7.6	ppb
	V	51	8570.248	0.471	0.06	13.2	ppb
	Cr	52	14831.029	0.211	0.08	36.6	ppb
	Cr	53	5101.911	0.440	0.26	59.3	ppb
	Fe	54	111685.198	73.093	8.66	11.8	ppb
	Mn	55	97087.461	7.480	0.38	5.0	ppb
	Co	59	1304.060	0.113	0.01	7.9	ppb
	Ni	60	1290.392	0.474	0.03	6.2	ppb
	Cu	63	7811.469	1.563	0.07	4.7	ppb
	Cu	65	1268.056	0.443	0.03	6.3	ppb
	Zn	66	4219.290	1.696	0.14	8.0	ppb
	Zn	67	1057.039	1.172	0.15	12.9	ppb
	Zn	68	2476.215	1.431	0.12	8.4	ppb
	As	75	739.378	0.275	0.02	6.5	ppb
	Se	77	224.668	1.421	0.20	13.9	ppb
	Se	82	62.055	0.409	0.08	19.8	ppb
>	Y	89	3673948.267				ppb
	Ag	107	193.335	-0.026	0.00	10.5	ppb
	Ag	109	117.334	-0.032	0.00	4.5	ppb
	Cd	111	1449.141	-0.049	0.02	37.5	ppb
	Cd	114	138.256	-0.001	0.00	685.7	ppb
>	In	115	458591.575				ppb
	Sb	121	2656.584	0.128	0.06	44.4	ppb
	Sb	123	2007.161	0.112	0.04	36.4	ppb
	Ba	137	9531.846	2.420	0.15	6.0	ppb
>	Ho	165	722623.342				ppb
	Tl	205	850.359	0.007	0.01	81.8	ppb
	Pb	208	2932.785	0.041	0.01	12.3	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		104.5			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		103.5			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		101.9			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		102.7			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: SD5X
Sample Date/Time: Wednesday, June 13, 2007 17:26:06
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\SD5X.014

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	27907.712	7.429	0.16	2.2	ppb
	Be	9	22.333	-0.007	0.00	52.7	ppb
	Al	27	68116.345	9.778	0.42	4.3	ppb
>	Sc	45	459918.530				ppb
	Ti	48	61735.097	10.278	0.21	2.0	ppb
	V	51	5323.392	0.098	0.03	29.2	ppb
	Cr	52	13228.789	0.058	0.01	21.4	ppb
	Cr	53	4572.732	0.046	0.15	322.5	ppb
	Fe	54	73403.293	13.899	1.91	13.7	ppb
	Mn	55	20502.036	1.554	0.01	0.6	ppb
	Co	59	280.336	0.008	0.00	33.9	ppb
	Ni	60	453.341	0.071	0.01	18.3	ppb
	Cu	63	1666.097	0.258	0.02	6.2	ppb
	Cu	65	344.338	0.041	0.02	53.3	ppb
	Zn	66	1767.109	0.092	0.01	13.9	ppb
	Zn	67	670.016	-0.292	0.16	55.9	ppb
	Zn	68	1015.703	0.121	0.05	44.8	ppb
	As	75	390.808	0.074	0.01	8.2	ppb
	Se	77	127.334	0.519	0.14	26.6	ppb
	Se	82	8.695	0.044	0.08	174.6	ppb
>	Y	89	3553956.962				ppb
	Ag	107	115.334	-0.035	0.00	1.9	ppb
	Ag	109	72.000	-0.037	0.00	4.5	ppb
	Cd	111	1396.247	-0.058	0.01	24.3	ppb
	Cd	114	51.529	-0.017	0.00	12.4	ppb
>	In	115	449040.994				ppb
	Sb	121	564.011	-0.117	0.01	4.6	ppb
	Sb	123	448.406	-0.121	0.00	4.0	ppb
	Ba	137	1989.805	0.498	0.02	3.3	ppb
>	Ho	165	698012.220				ppb
	Tl	205	187.335	-0.015	0.00	4.4	ppb
	Pb	208	845.676	-0.010	0.00	2.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		99.4			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		100.1			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		99.8			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		99.2			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: AS1.04X
Sample Date/Time: Wednesday, June 13, 2007 17:31:16
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\AS1.04X.015

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	127165.081	**32.925**	0.87	2.7	ppb
	Be	9	34395.360	**44.523**	1.44	3.2	ppb
	Al	27	25491276.247	**4527.364**	95.27	2.1	ppb
>	Sc	45	482131.237				ppb
	Ti	48	592570.377	**94.903**	2.27	2.4	ppb
	V	51	410740.016	**49.524**	1.14	2.3	ppb
	Cr	52	373845.235	**47.358**	1.35	2.9	ppb
	Cr	53	49684.257	**46.720**	1.74	3.7	ppb
	Fe	54	2930874.250	**4755.686**	117.84	2.5	ppb
	Mn	55	709588.506	**55.704**	1.72	3.1	ppb
	Co	59	457571.868	**47.700**	1.62	3.4	ppb
	Ni	60	93823.765	**46.213**	1.23	2.7	ppb
	Cu	63	224813.264	**48.421**	1.24	2.6	ppb
	Cu	65	107622.216	**47.647**	1.38	2.9	ppb
	Zn	66	75443.026	**49.758**	1.54	3.1	ppb
	Zn	67	12725.333	**48.440**	1.76	3.6	ppb
	Zn	68	53717.139	**48.826**	1.25	2.6	ppb
	As	75	77105.719	**46.640**	1.72	3.7	ppb
	Se	77	5311.654	**51.011**	1.48	2.9	ppb
	Se	82	6974.999	**48.518**	1.91	3.9	ppb
>	Y	89	3641580.808				ppb
	Ag	107	81188.727	**9.311**	0.19	2.1	ppb
	Ag	109	78628.794	**9.351**	0.13	1.4	ppb
	Cd	111	107861.265	**47.567**	1.14	2.4	ppb
	Cd	114	248981.414	**48.171**	1.35	2.8	ppb
>	In	115	448881.580				ppb
	Sb	121	411190.474	**48.903**	0.45	0.9	ppb
	Sb	123	317994.944	**48.602**	0.34	0.7	ppb
	Ba	137	194849.492	**51.023**	1.23	2.4	ppb
>	Ho	165	708336.832				ppb
	Tl	205	1293389.741	**44.682**	0.60	1.3	ppb
	Pb	208	1850911.085	**46.654**	1.30	2.8	ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		104.2			
	Ti	48					
	V	51					
	Cr	52					
	Cr	53					
	Fe	54					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	63					
	Cu	65					
	Zn	66					
	Zn	67					
	Zn	68					
	As	75					
	Se	77					
	Se	82					
>	Y	89		102.6			
	Ag	107					
	Ag	109					
	Cd	111					
	Cd	114					
>	In	115		99.7			
	Sb	121					
	Sb	123					
	Ba	137					
>	Ho	165		100.7			
	Tl	205					
	Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAS
Sample Date/Time: Wednesday, June 13, 2007 17:36:26
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0DKAS.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	304927.876	**78.336**	0.73	0.9	ppb
	Be	9	33998.753	**43.515**	0.22	0.5	ppb
	Al	27	24846492.865	**4363.683**	12.55	0.3	ppb
>	Sc	45	487405.642				ppb
	Ti	48	600676.945	**94.949**	2.19	2.3	ppb
	V	51	409091.474	**48.677**	1.20	2.5	ppb
	Cr	52	372616.100	**46.555**	1.01	2.2	ppb
	Cr	53	50104.426	**46.455**	0.44	0.9	ppb
	Fe	54	2942390.057	**4709.246**	64.66	1.4	ppb
	Mn	55	707262.366	**54.783**	1.10	2.0	ppb
	Co	59	457483.170	**47.070**	1.41	3.0	ppb
	Ni	60	96041.515	**46.691**	1.32	2.8	ppb
	Cu	63	228896.971	**48.652**	1.04	2.1	ppb
	Cu	65	107572.934	**47.003**	1.38	2.9	ppb
	Zn	66	73444.364	**47.756**	1.01	2.1	ppb
	Zn	67	12499.469	**46.846**	0.55	1.2	ppb
	Zn	68	52904.486	**47.425**	0.60	1.3	ppb
	As	75	78846.206	**47.058**	0.84	1.8	ppb
	Se	77	5283.978	**50.039**	0.39	0.8	ppb
	Se	82	6892.313	**47.297**	0.80	1.7	ppb
>	Y	89	3690395.349				ppb
	Ag	107	81839.183	**9.306**	0.01	0.1	ppb
	Ag	109	78920.471	**9.307**	0.02	0.2	ppb
	Cd	111	107807.294	**47.141**	0.51	1.1	ppb
	Cd	114	250200.397	**48.002**	0.57	1.2	ppb
>	In	115	452639.628				ppb
	Sb	121	421882.337	**49.765**	0.41	0.8	ppb
	Sb	123	326968.852	**49.562**	0.30	0.6	ppb
	Ba	137	194396.317	**50.571**	0.18	0.4	ppb
>	Ho	165	712766.063				ppb
	Tl	205	1284742.981	**44.103**	0.47	1.1	ppb
	Pb	208	1852659.023	**46.391**	0.27	0.6	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		105.3			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		103.9			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		100.6			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		101.3			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAD
Sample Date/Time: Wednesday, June 13, 2007 17:41:36
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0DKAD.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	309430.946	**79.661**	1.01	1.3	ppb
	Be	9	33515.612	**42.990**	0.64	1.5	ppb
	Al	27	25772896.556	**4535.711**	23.37	0.5	ppb
>	Sc	45	486368.093				ppb
	Ti	48	615809.656	**96.808**	0.86	0.9	ppb
	V	51	420767.911	**49.807**	0.12	0.2	ppb
	Cr	52	383576.159	**47.713**	0.11	0.2	ppb
	Cr	53	51050.760	**47.163**	0.52	1.1	ppb
	Fe	54	3054069.666	**4867.908**	30.28	0.6	ppb
	Mn	55	714819.228	**55.088**	0.42	0.8	ppb
	Co	59	462098.696	**47.284**	0.11	0.2	ppb
	Ni	60	97906.518	**47.343**	0.33	0.7	ppb
	Cu	63	234580.240	**49.602**	0.34	0.7	ppb
	Cu	65	111312.135	**48.379**	0.27	0.6	ppb
	Zn	66	76775.142	**49.709**	0.39	0.8	ppb
	Zn	67	12890.482	**48.148**	0.04	0.1	ppb
	Zn	68	54613.552	**48.735**	0.31	0.6	ppb
	As	75	81169.924	**48.199**	0.15	0.3	ppb
	Se	77	5447.039	**51.342**	0.81	1.6	ppb
	Se	82	7077.111	**48.314**	0.16	0.3	ppb
>	Y	89	3708203.629				ppb
	Ag	107	84565.993	**9.578**	0.16	1.6	ppb
	Ag	109	81392.255	**9.562**	0.21	2.2	ppb
	Cd	111	110495.595	**48.121**	0.59	1.2	ppb
	Cd	114	256081.030	**48.915**	0.44	0.9	ppb
>	In	115	454646.888				ppb
	Sb	121	430459.790	**50.573**	0.95	1.9	ppb
	Sb	123	331612.946	**50.059**	0.71	1.4	ppb
	Ba	137	196067.306	**51.643**	0.10	0.2	ppb
>	Ho	165	703952.442				ppb
	Tl	205	1313794.846	**45.661**	0.06	0.1	ppb
	Pb	208	1892672.902	**47.982**	0.45	0.9	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		105.1			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		104.4			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		101.0			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		100.0			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DTG
Sample Date/Time: Wednesday, June 13, 2007 17:46:46
Dilution Factor: 7162268 10X
Analyst: XBE

Report checked results from this dilution

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0DTG.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	59505.415	17.056	0.78	4.6	ppb
	Be	9	40.000	0.021	0.01	36.3	ppb
	Al	27	21437.406	1.323	0.09	6.5	ppb
>	Sc	45	433261.950				ppb
	Ti	48	1895536.906	324.393	2.85	0.9	ppb
	V	51	17575.495	1.725	0.21	12.0	ppb
	Cr	52	16395.406	0.582	0.01	1.7	ppb
	Cr	53	18149.893	15.315	1.03	6.7	ppb
	Fe	54	878811.681	1450.537	10.84	0.7	ppb
	Mn	55	15470019.888	1301.611	15.58	1.2	ppb
	Co	59	23024.876	2.548	0.02	0.8	ppb
	Ni	60	9042.863	4.623	0.04	0.9	ppb
	Cu	63	289622.600	66.498	22.56	33.9	ppb
	Cu	65	3454.754	1.523	0.14	9.5	ppb
	Zn	66	6371.087	3.470	0.07	2.1	ppb
	Zn	67	1438.739	3.156	0.31	10.0	ppb
	Zn	68	3021.319	2.149	0.08	3.9	ppb
	As	75	2763.714	1.626	0.15	9.4	ppb
	Se	77	4166.274	42.692	0.31	0.7	ppb
	Se	82	-221.240	-1.650	1.13	68.6	ppb
>	Y	89	3402159.583				ppb
	Ag	107	268.669	-0.014	0.00	31.3	ppb
	Ag	109	201.668	-0.019	0.01	41.8	ppb
	Cd	111	588.066	-0.396	0.14	36.0	ppb
	Cd	114	168.664	0.009	0.01	67.3	ppb
>	In	115	410277.282				ppb
	Sb	121	1334.729	-0.009	0.01	107.7	ppb
	Sb	123	1021.037	-0.018	0.01	48.8	ppb
	Ba	137	50031.129	14.341	0.27	1.9	ppb
>	Ho	165	646074.818				ppb
	Tl	205	810.690	0.009	0.00	39.9	ppb
	Pb	208	2075.392	0.026	0.01	29.8	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		93.6			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		95.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		91.1			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		91.8			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DTN
Sample Date/Time: Wednesday, June 13, 2007 17:51:57
Dilution Factor: 7162268 10X
Analyst: XBE

Report checked results from this dilution

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\J0DTN.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	109893.341	30.770	0.88	2.8	ppb
	Be	9	27.667	0.002	0.01	278.3	ppb
	Al	27	44255.530	5.596	0.48	8.6	ppb
>	Sc	45	445567.967				ppb
	Ti	48	2073817.260	339.443 ✓	3.27	1.0	ppb
	V	51	17850.580	1.661 ✓	0.03	1.8	ppb
	Cr	52	16364.034	0.478	0.05	10.1	ppb
	Cr	53	17322.831	13.573	0.40	2.9	ppb
	Fe	54	7171179.320	12073.813 ✓	84.35	0.7	ppb
	Mn	55	28549920.853	2297.186 ✓	24.66	1.1	ppb
	Co	59	16969.407	1.789 ✓	0.05	2.6	ppb
	Ni	60	9137.922	4.463 ✓	0.14	3.1	ppb
	Cu	63	285102.905	62.842	2.95	4.7	ppb
	Cu	65	3167.685	1.323 ✓	0.03	1.9	ppb
	Zn	66	11009.241	6.471	0.22	3.3	ppb
	Zn	67	2492.551	7.257	0.61	8.4	ppb
	Zn	68	6844.973	5.635 ✓	0.08	1.5	ppb
	As	75	5430.945	3.205 ✓	0.11	3.5	ppb
	Se	77	3060.995	29.774	0.80	2.7	ppb
	Se	82	69.569	0.477	0.06	12.3	ppb
>	Y	89	3557706.758				ppb
	Ag	107	222.335	-0.021	0.00	1.4	ppb
	Ag	109	163.334	-0.025	0.00	10.0	ppb
	Cd	111	1641.211	0.083	0.07	84.1	ppb
	Cd	114	1318.528	0.239	0.02	6.3	ppb
>	In	115	430219.268				ppb
	Sb	121	502.009	-0.121	0.00	2.9	ppb
	Sb	123	430.552	-0.121	0.01	6.9	ppb
	Ba	137	51913.160	14.152 ✓	0.18	1.3	ppb
>	Ho	165	679227.903				ppb
	Tl	205	260.669	-0.012	0.00	3.8	ppb
	Pb	208	1408.027	0.005	0.00	29.4	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		96.3			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
Y	89		100.2			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
In	115		95.6			
Sb	121					
Sb	123					
Ba	137					
Ho	165		96.5			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Wednesday, June 13, 2007 18:02:18
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 6.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	165149.667	**41.713**	0.57	1.4	ppb
	Be	9	35407.160	**44.654**	0.63	1.4	ppb
	Al	27	29610789.261	**5124.436**	55.45	1.1	ppb
>	Sc	45	494651.232				ppb
	Ti	48	354426.756	**53.717**	1.27	2.4	ppb
	V	51	470618.121	**53.671**	1.07	2.0	ppb
	Cr	52	443077.732	**53.248**	1.22	2.3	ppb
	Cr	53	61744.490	**55.703**	1.52	2.7	ppb
	Fe	54	754188.451	**1072.563**	30.86	2.9	ppb
	Mn	55	715708.732	**53.089**	1.41	2.7	ppb
	Co	59	534629.800	**52.666**	1.26	2.4	ppb
	Ni	60	113341.627	**52.785**	1.81	3.4	ppb
	Cu	63	263600.366	**53.670**	1.51	2.8	ppb
	Cu	65	126372.207	**52.882**	1.27	2.4	ppb
	Zn	66	82198.816	**51.264**	1.25	2.4	ppb
	Zn	67	14765.961	**53.406**	1.15	2.1	ppb
	Zn	68	59219.496	**50.904**	1.20	2.4	ppb
	As	75	90788.577	**51.910**	1.12	2.2	ppb
	Se	77	5940.235	**53.945**	0.78	1.5	ppb
	Se	82	7704.037	**50.638**	1.57	3.1	ppb
>	Y	89	3852898.070				ppb
	Ag	107	483320.301	**52.019**	0.36	0.7	ppb
	Ag	109	464564.629	**51.840**	0.48	0.9	ppb
	Cd	111	120359.060	**49.631**	0.79	1.6	ppb
	Cd	114	278513.047	**50.353**	0.46	0.9	ppb
>	In	115	480269.286				ppb
	Sb	121	453640.214	**50.430**	0.09	0.2	ppb
	Sb	123	350950.580	**50.138**	0.37	0.7	ppb
	Ba	137	207308.731	**51.883**	0.57	1.1	ppb
>	Ho	165	740938.042				ppb
	Tl	205	1450204.588	**47.891**	0.56	1.2	ppb
	Pb	208	2085628.180	**50.244**	0.51	1.0	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	83.4				
Be	9	89.3				
Al	27	102.5				
> Sc	45		106.9			
Ti	48	107.4				
V	51	107.3				
Cr	52	106.5				
Cr	53	111.4				
Fe	54	107.3				
Mn	55	106.2				
Co	59	105.3				
Ni	60	105.6				
Cu	63	107.3				
Cu	65	105.8				
Zn	66	102.5				
Zn	67	106.8				
Zn	68	101.8				
As	75	103.8				
Se	77	107.9				
Se	82	101.3				
> Y	89		108.5			
Ag	107	104.0				
Ag	109	103.7				
Cd	111	99.3				
Cd	114	100.7				
> In	115		106.7			
Sb	121	100.9				
Sb	123	100.3				
Ba	137	103.8				
> Ho	165		105.3			
Tl	205	95.8				
Pb	208	100.5				

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	6Li	Q
QC Std 6	9Be	Q
QC Std 6	53Cr	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Wednesday, June 13, 2007 18:07:26
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.207 GW.mth
Dataset File: C:\elandata\Dataset\A070613D\QC Std 7.022

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	438.672	-0.077	0.03	33.5	ppb
	Be	9	28.000	-0.001	0.01	1044.6	ppb
	Al	27	18665.200	0.337	0.99	292.9	ppb
>	Sc	45	492691.109				ppb
	Ti	48	1405.879	0.383	0.04	10.7	ppb
	V	51	7222.369	0.279	0.03	11.4	ppb
	Cr	52	14647.506	0.124	0.01	8.8	ppb
	Cr	53	6601.526	1.759	0.31	17.7	ppb
	Fe	54	74915.667	8.403	1.71	20.3	ppb
	Mn	55	1959.802	0.050	0.01	22.7	ppb
	Co	59	250.002	0.003	0.01	202.4	ppb
	Ni	60	355.338	0.010	0.00	19.6	ppb
	Cu	63	1641.761	0.230	0.03	12.7	ppb
	Cu	65	398.339	0.054	0.02	29.4	ppb
	Zn	66	1883.458	0.091	0.05	53.6	ppb
	Zn	67	974.033	0.713	0.16	22.8	ppb
	Zn	68	1077.041	0.114	0.01	11.5	ppb
	As	75	399.661	0.063	0.03	46.8	ppb
	Se	77	133.001	0.491	0.05	10.9	ppb
	Se	82	-2.459	-0.034	0.10	302.8	ppb
>	Y	89	3794002.430				ppb
	Ag	107	405.006	-0.004	0.00	84.3	ppb
	Ag	109	341.337	-0.007	0.00	64.0	ppb
	Cd	111	1952.732	0.133	0.01	11.0	ppb
	Cd	114	174.469	0.005	0.01	178.6	ppb
>	In	115	480499.061				ppb
	Sb	121	1666.098	0.002	0.03	1304.8	ppb
	Sb	123	1282.956	-0.006	0.02	353.0	ppb
	Ba	137	154.668	0.008	0.02	201.0	ppb
>	Ho	165	735219.973				ppb
	Tl	205	760.690	0.004	0.01	327.2	ppb
	Pb	208	1530.701	0.006	0.01	227.1	ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		106.4			
Ti	48					
V	51					
Cr	52					
Cr	53					
Fe	54					
Mn	55					
Co	59					
Ni	60					
Cu	63					
Cu	65					
Zn	66					
Zn	67					
Zn	68					
As	75					
Se	77					
Se	82					
> Y	89		106.8			
Ag	107					
Ag	109					
Cd	111					
Cd	114					
> In	115		106.7			
Sb	121					
Sb	123					
Ba	137					
> Ho	165		104.5			
Tl	205					
Pb	208					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 7	53Cr	Q

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: (SW846 6020) / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 6-14-07 Instrument: A1
Prep Batches: 7162268 (3 of 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)	✓			✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-19-07
Comments:

2nd Level Reviewer: [signature] Date: 6/19/07
Comments:

NOMENCLATURE

LIMS

Five (5) characters with an alpha suffix.

_ _ _ _ _ B	Method Blank
_ _ _ _ _ C	Laboratory Control Sample
_ _ _ _ _ L	Laboratory Control Sample Duplicate (optional)
_ _ _ _ _ S	Matrix Spike
_ _ _ _ _ D	Matrix Spike Duplicate
_ _ _ _ _ X	Sample Duplicate (as requested)

ICP/MS(6020) INSTRUMENT

QC Std #1	ICV (Initial Calibration Verification)
QC Std #2	ICB (initial Calibration Blank)
QC Std #3	LLCk Std (Low-level Check Standard for TRRP only)
QC Std #4	ICSA (Interference Check Standard – Interfering Elements)
QC Std #5	ICSAB (Interference Check Standard – Analytes and Interferants)
QC Std #6	CCV (Continuing Calibration Verification)
QC Std #7	CCB (Continuing Calibration Blank)
SD5X	Serial Dilution
AS1.04X	Analytical Spike

STL

Inductively Coupled Plasma-Mass Spectroscopy,
Spectrophotometric Method for Trace Element Analyses
Circle Method Used: SW846 6020 / EPA 200.8: AUS-MT-0012, current revision

Run/Project Information:
Analyst: XE Run Date: 6-13-07 Instrument: A1
Prep Batches: 7162268 (2 & 3)
HBN:

Review Items

A. Tune/Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Daily Performance Check performed and within manufacture specifications?	✓			✓
2. Tune solution analyzed (min. of 4 times for 6020 or 5 times for 200.8)?	✓			✓
3. Tune RSD<5%?	✓			✓
4. Resolution ≤ 0.9 AMU full width at 10% peak height, & within ± 0.1 AMU of true mass.	✓			✓
5. Instrument calibrated per manufacturer's instructions and at SOP specified levels with min. of 3 integrations?	✓			✓
6. ICV/CCV analyzed at appropriate frequency and within control limits? (90 – 110%)		✓		✓
7. ICB/CCB analyzed at appropriate frequency and within +/– RL or +/– PQL?	✓			✓
8. LLCCV analyzed?			✓	✓
9. ICSA/ICSAB run at required frequency and within SOP limits?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL or PQL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Dilution Test done per prep batch?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/LR data on file?	✓			✓
3. Calculations checked for error?	✓			✓
4. All unused analyses noted on the sequence with the reason?	✓			✓
5. Transcriptions checked for error?	✓			✓
6. All client/project specific requirements met?	✓			✓
7. Date/time of analysis verified as correct?	✓			✓

Analyst: XE Date: 6-14-07
Comments:

2nd Level Reviewer: [signature] Date: 6/19/07
Comments:

Instrument ID: ICPMS-A1 Analyst Initials: XF

Instrument Method: AI MS FULLS, 206 GW Date: 6-14-07

Result Data Set: M0706141A Method/Test: 6020

Computer Clock Date/Time: 6-14-07/1346 SOP #: AUS-INT-0012

Routine Maintenance:	
Inspect Pump Tubing: ✓	Check Vacuum: ✓
Check Argon Flow: ✓	Check Coolant Flow: ✓
Mass Spec Tune: ✓	Daily Performance Check: ✓
CeO/Ce Ratio(<0.03): ✓	Ba^{++}/Ba^{+} Ratio (<0.03): ✓
Dual Detector Calibration: ✓	
Comments:	

Reagent Lot/ID:		Additional Standards:			
HNO_3	HNO3_00002	Internal Std.	07MET0186	Performance/Tuning Std.	07MET0184
		ICSA	MEICSA.00018		
		ICSAB	MEICSAB_00017		

Calibration Curve Standards:		Analytical Spike Information: (9.6 mL sample)		
Std. 1	ME STD1_00002	Spike #	Spike Standard ID	Volume
Std. 2	ME STD2_00002	1	07MET0188	100 µL
Std. 3	ME STD3_00002	2	07MET0189	100 µL
Std. 4	N/A	3	07MET0190	100 µL
Std. 5	↓	4	07MET0191	100 µL
Std. 6		5		100 µL
Std. 7		6		100 µL
Curve Verification Standards:				
ICV Std.	07MET0274	Sample ID: JODKA		
CCV Std.	MEC.CV_00002	Sample ID: N/A		
LLCCV Std.		Sample ID:		
		Sample ID:		

Comments:

In: User Name: EscobarX
Computer Name: AUSF5PSP11
Dataset File Path: c:\elandata\dataset\a070614a\
Report Date/Time: Thursday, June 14, 2007 17:01:04

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Samp. File Name	Description
	Blank	13:46:23 Thu 14-Jun-07	Blank	Blank.001	
	Standard 1	13:49:38 Thu 14-Jun-07	Standard #1	Standard 1.002	
	Standard 2	13:52:54 Thu 14-Jun-07	Standard #2	Standard 2.003	
	Standard 3	13:56:11 Thu 14-Jun-07	Standard #3	Standard 3.004	
	QC Std 1	13:59:27 Thu 14-Jun-07	QC Std #1	QC Std 1.005	
	QC Std 2	14:02:42 Thu 14-Jun-07	QC Std #2	QC Std 2.006	
	QC Std 4	14:05:56 Thu 14-Jun-07	QC Std #4	QC Std 4.007	
	QC Std 5	14:09:11 Thu 14-Jun-07	QC Std #5	QC Std 5.008	
	QC Std 6	14:12:26 Thu 14-Jun-07	QC Std #6	QC Std 6.009	
	QC Std 7	14:15:41 Thu 14-Jun-07	QC Std #7	QC Std 7.010	
	J0PX1B	14:18:56 Thu 14-Jun-07	Sample	J0PX1B.011	7162268
	J0PX1C	14:22:12 Thu 14-Jun-07	Sample	J0PX1C.012	7162268
	J0DKA	14:25:28 Thu 14-Jun-07	Sample	J0DKA.013	7162268
	SD5X	14:28:44 Thu 14-Jun-07	Sample	SD5X.014	7162268
	AS1.04X	14:32:00 Thu 14-Jun-07	Sample	AS1.04X.015	7162268
	QC Std 5	14:37:45 Thu 14-Jun-07	QC Std #5	QC Std 5.016	
	QC Std 6	14:41:00 Thu 14-Jun-07	QC Std #6	QC Std 6.017	
	QC Std 7	14:44:15 Thu 14-Jun-07	QC Std #7	QC Std 7.018	
	J0PX1B	14:47:30 Thu 14-Jun-07	Sample	J0PX1B.019	7162268
	J0PX1C	14:50:46 Thu 14-Jun-07	Sample	J0PX1C.020	7162268
	J0DKA	14:54:02 Thu 14-Jun-07	Sample	J0DKA.021	7162268
	SD5X	14:57:18 Thu 14-Jun-07	Sample	SD5X.022	7162268
	AS1.04X	15:00:34 Thu 14-Jun-07	Sample	AS1.04X.023	7162268
	J0DKAS	15:03:50 Thu 14-Jun-07	Sample	J0DKAS.024	7162268
	J0DKAD	15:07:06 Thu 14-Jun-07	Sample	J0DKAD.025	7162268
	J0KGV	15:10:22 Thu 14-Jun-07	Sample	J0KGV.026	7162268
	J0KHE	15:13:39 Thu 14-Jun-07	Sample	J0KHE.027	7162268
	J0KHG	15:16:57 Thu 14-Jun-07	Sample	J0KHG.028	7162268
	QC Std 6	15:20:13 Thu 14-Jun-07	QC Std #6	QC Std 6.029	
	QC Std 7	15:23:28 Thu 14-Jun-07	QC Std #7	QC Std 7.030	
	J0KHH	15:26:43 Thu 14-Jun-07	Sample	J0KHH.031	7162268
	J0KHJ	15:29:59 Thu 14-Jun-07	Sample	J0KHJ.032	7162268
	J0KHK	15:33:16 Thu 14-Jun-07	Sample	J0KHK.033	7162268
	J0KHM	15:36:32 Thu 14-Jun-07	Sample	J0KHM.034	7162268
	J0M88	15:39:48 Thu 14-Jun-07	Sample	J0M88.035	7162268
	J0M9A	15:43:05 Thu 14-Jun-07	Sample	J0M9A.036	7162268
	J0M9C	15:46:21 Thu 14-Jun-07	Sample	J0M9C.037	7162268
	J0M9D	15:49:37 Thu 14-Jun-07	Sample	J0M9D.038	7162268
	QC Std 6	15:52:53 Thu 14-Jun-07	QC Std #6	QC Std 6.039	
	QC Std 7	15:56:08 Thu 14-Jun-07	QC Std #7	QC Std 7.040	
	J0A4E	15:59:24 Thu 14-Jun-07	Sample	J0A4E.041	7162268
	J0A5A	16:02:41 Thu 14-Jun-07	Sample	J0A5A.042	7162268
	J0A5A	16:07:31 Thu 14-Jun-07	Sample	J0A5A.043	7162268 10X
	J0DTG	16:14:31 Thu 14-Jun-07	Sample	J0DTG.044	7162268 10X
	J0DTN	16:17:48 Thu 14-Jun-07	Sample	J0DTN.045	7162268 10X
	QC Std 6	16:21:19 Thu 14-Jun-07	QC Std #6	QC Std 6.046	
	QC Std 7	16:24:34 Thu 14-Jun-07	QC Std #7	QC Std 7.047	
	J0DTG	16:27:49 Thu 14-Jun-07	Sample	J0DTG.048	7162268
	J0DTN	16:32:08 Thu 14-Jun-07	Sample	J0DTN.049	7162268
	QC Std 6	16:36:56 Thu 14-Jun-07	QC Std #6	QC Std 6.050	
	QC Std 7	16:40:26 Thu 14-Jun-07	QC Std #7	QC Std 7.051	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, June 14, 2007 13:18:28
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2145
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	239666.2	239666.218	34117.665	14.2
	Rh	102.9	248214.7	248214.723	2145.533	0.9
	In	114.9	313450.7	313450.671	3798.892	1.2
	Pb	208.0	239881.0	239881.012	1294.505	0.5
⌈>	Ba	137.9	286604.1	286604.137	4078.462	1.4
⌊	Ba++	69.0	4310.6	0.015	0.000	1.4
⌈>	Ce	139.9	343588.0	343587.984	2506.561	0.7
⌊	CeO	155.9	7129.1	0.021	0.001	2.8
	Bkgd	220.0	15.9	15.867	2.181	13.7
	Be	9.0	2977.6	2977.644	155.414	5.2
	Na	23.0	1195967.8	1195967.847	121214.501	10.1
	K	39.0	119288.3	119288.256	870.490	0.7
	Fe	53.9	42805.2	42805.244	528.522	1.2
	U	238.1	565107.4	565107.373	4896.342	0.9

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	8.3	4109.3
Co	59	53	9.5	43985.9
In	115	53	10.3	379721.7

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, June 14, 2007 13:36:57
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2147
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	113712.9	113712.920	4428.123	3.9
	Rh	102.9	334163.3	334163.332	4303.184	1.3
	In	114.9	420042.4	420042.400	6568.331	1.6
	Pb	208.0	327094.7	327094.651	1800.620	0.6
⌈>	Ba	137.9	377344.8	377344.757	2883.897	0.8
⌊	Ba++	69.0	5573.1	0.015	0.000	0.8
⌈>	Ce	139.9	460856.9	460856.925	2999.454	0.7
⌊	CeO	155.9	12098.4	0.026	0.001	2.0
	Bkgd	220.0	15.1	15.067	1.978	13.1
	Be	9.0	4557.8	4557.795	238.828	5.2
	Na	23.0	701162.1	701162.065	25434.439	3.6
	K	39.0	142778.3	142778.287	1601.083	1.1
	Fe	53.9	59739.9	59739.863	211.368	0.4
	U	238.1	761737.8	761737.777	13718.883	1.8

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	8.5	5257.6
Co	59	53	8.8	58220.1
In	115	53	10.5	495078.8

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Thursday, June 14, 2007 13:38:20
Sample Description:
Method File: c:\elandata\Method\Daily optimize II.mth
Dataset File: c:\elandata\Dataset\daily performance\Sample.2148
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 35
Current Dead Time (ns): 35

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	113245.5	113245.537	5540.361	4.9
	Rh	102.9	326644.8	326644.807	3660.297	1.1
	In	114.9	414696.9	414696.854	8106.033	2.0
	Pb	208.0	324885.3	324885.274	4482.391	1.4
⌈>	Ba	137.9	375982.4	375982.366	2114.822	0.6
⌊	Ba++	69.0	5593.3	0.015	0.000	1.5
⌈>	Ce	139.9	456883.0	456883.027	6450.397	1.4
⌊	CeO	155.9	11933.8	0.026	0.001	2.2
	Bkgd	220.0	16.3	16.267	4.017	24.7
	Be	9.0	4515.1	4515.114	110.498	2.4
	Na	23.0	684639.3	684639.349	21045.430	3.1
	K	39.0	141817.0	141817.013	1112.416	0.8
	Fe	53.9	60001.7	60001.724	1370.385	2.3
	U	238.1	765253.1	765253.141	9953.426	1.3

Current Optimization File Data

Current Value	Description
0.94	Nebulizer Gas Flow
7.25	Lens Voltage
1400.00	ICP RF Power
-1950.00	Analog Stage Voltage
950.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-3.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	53	8.5	5257.6
Co	59	53	8.8	58220.1
In	115	53	10.5	495078.8

Quantitative Analysis - Comprehensive Report

Sample ID: Blank
Sample Date/Time: Thursday, June 14, 2007 13:46:23
Sample Description:
Solution Type: Blank
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Blank.001
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	312.00			ppb
|	Be	9	18.00			ppb
|	Al	27	5827.19			ppb
⌊>	Sc	45	495276.16			ppb
⌈	Zn	66	2647.25			ppb
|	Zn	67	1811.11			ppb
|	Zn	68	1552.08			ppb
⌊>	Y	89	3654588.05			ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	316.00			ppb
|	Be	9	13.00			ppb
|	Al	27	6044.28			ppb
⌊>	Sc	45	506449.84			ppb
⌈	Zn	66	2775.27			ppb
|	Zn	67	1829.12			ppb
|	Zn	68	1584.09			ppb
⌊>	Y	89	3783715.42			ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	295.00			ppb
|	Be	9	6.00			ppb
|	Al	27	6598.52			ppb

Sc	45	520357.50		ppb
Zn	66	2794.27		ppb
Zn	67	1832.12		ppb
Zn	68	1617.09		ppb
Y	89	3783325.26		ppb

Mean Values

Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
Li	6	307.67			ppb
Be	9	12.33			ppb
Al	27	6156.66			ppb
Sc	45	507361.17			ppb
Zn	66	2738.93			ppb
Zn	67	1824.12			ppb
Zn	68	1584.42			ppb
Y	89	3740542.91			ppb

Relative Std. Dev.

Net Intens. RSD

Standard Deviations

Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
Li	6	11.151		
Be	9	6.028		
Al	27	397.759		
Sc	45	12565.484		
Zn	66	79.967		
Zn	67	11.359		
Zn	68	32.505		
Y	89	74439.350		

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 1
Sample Date/Time: Thursday, June 14, 2007 13:49:38
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 1.002
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	4262.55	0.009	1.053599	ppb
Be	9	801.02	0.002	1.067819	ppb
Al	27	644323.91	1.374	112.042139	ppb
> Sc	45	464979.01	464979.014		ppb
Zn	66	11144.35	0.002	5.235879	ppb
Zn	67	3072.33	0.000	4.898311	ppb
Zn	68	7543.99	0.002	5.142265	ppb
> Y	89	3566868.83	3566868.832		ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	4275.55	0.008	0.976004	ppb
Be	9	759.02	0.001	0.937534	ppb
Al	27	659695.16	1.305	106.451614	ppb
> Sc	45	500843.29	500843.290		ppb
Zn	66	11206.39	0.002	4.959916	ppb
Zn	67	3031.32	0.000	4.238879	ppb
Zn	68	7470.95	0.002	4.789211	ppb
> Y	89	3737553.91	3737553.911		ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	4132.52	0.007	0.913594	ppb
Be	9	730.02	0.001	0.876525	ppb
Al	27	659792.51	1.270	103.582516	ppb

⌊>	Sc	45	514660.61	514660.605		ppb
⌈	Zn	66	11202.39	0.002	4.793696	ppb
|	Zn	67	3038.32	0.000	3.997255	ppb
|	Zn	68	7638.04	0.002	4.769925	ppb
⌊>	Y	89	3833310.26	3833310.263		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
⌈	Li	6	4223.54	0.008	0.981065	ppb
|	Be	9	763.35	0.002	0.960626	ppb
|	Al	27	654603.86	1.316	107.358756	ppb
⌊>	Sc	45	493494.30	493494.303		ppb
⌈	Zn	66	11184.38	0.002	4.996497	ppb
|	Zn	67	3047.32	0.000	4.378148	ppb
|	Zn	68	7551.00	0.002	4.900467	ppb
⌊>	Y	89	3712577.67	3712577.668		ppb

Relative Std. Dev.

Net Intens. RSD
7.149
10.172
4.007
5.196
4.470
10.653
4.278
3.635

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
⌈	Li	6	79.093	0.001	0.070
|	Be	9	35.700	0.000	0.098
|	Al	27	8902.829	0.053	4.302
⌊>	Sc	45	25643.144	25643.144	
⌈	Zn	66	34.726	0.000	0.223
|	Zn	67	21.936	0.000	0.466
|	Zn	68	83.764	0.000	0.210
⌊>	Y	89	134965.249	134965.249	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 2
Sample Date/Time: Thursday, June 14, 2007 13:52:54
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 2.003
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	80911.06	0.178	21.916202	ppb
|	Be	9	15684.61	0.035	21.762004	ppb
|	Al	27	11986442.91	26.458	2158.208245	ppb
⌊>	Sc	45	452822.73	452822.727		ppb
⌈	Zn	66	37493.14	0.010	22.522510	ppb
|	Zn	67	7540.99	0.002	22.667024	ppb
|	Zn	68	26976.45	0.008	22.822719	ppb
⌊>	Y	89	3401554.85	3401554.847		ppb

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	79806.66	0.164	20.210649	ppb
|	Be	9	15404.30	0.032	19.987031	ppb
|	Al	27	11848667.71	24.459	1995.098517	ppb
⌊>	Sc	45	484194.82	484194.821		ppb
⌈	Zn	66	37181.32	0.009	20.718864	ppb
|	Zn	67	7554.00	0.002	20.766741	ppb
|	Zn	68	26140.90	0.007	20.510506	ppb
⌊>	Y	89	3645835.63	3645835.634		ppb

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
⌈	Li	6	79399.42	0.152	18.713085	ppb
|	Be	9	15260.15	0.029	18.431121	ppb
|	Al	27	12068214.73	23.191	1891.650319	ppb

>	Sc	45	520122.16	520122.163		ppb
	Zn	66	37252.51	0.009	19.459435	ppb
	Zn	67	7645.05	0.001	19.493691	ppb
	Zn	68	26359.30	0.006	19.412811	ppb
>	Y	89	3871239.56	3871239.558		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
	Li	6	80039.05	0.165	20.279979	ppb
	Be	9	15449.68	0.032	20.060052	ppb
	Al	27	11967775.12	24.703	2014.985694	ppb
>	Sc	45	485713.24	485713.237		ppb
	Zn	66	37308.99	0.010	20.900270	ppb
	Zn	67	7580.01	0.002	20.975819	ppb
	Zn	68	26492.21	0.007	20.915345	ppb
>	Y	89	3639543.35	3639543.346		ppb

Relative Std. Dev.

Net Intens. RSD
7.903
8.308
6.669
6.933
7.366
7.613
8.322
6.454

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
	Li	6	782.155	0.013	1.603
	Be	9	215.838	0.003	1.667
	Al	27	110957.599	1.648	134.387
>	Sc	45	33675.402	33675.402	
	Zn	66	163.400	0.001	1.540
	Zn	67	56.696	0.000	1.597
	Zn	68	433.343	0.001	1.741
>	Y	89	234905.569	234905.569	

Quantitative Analysis - Comprehensive Report

Sample ID: Standard 3
Sample Date/Time: Thursday, June 14, 2007 13:56:11
Sample Description:
Solution Type: Standard
Blank File: c:\elandata\dataset\a070614a\Blank.001
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average
Dual Detector Mode: Dual
Current Dead Time (ns): 35
Acq. Dead Time(ns): 35
Cumulative Autodilution Factor: 1

Sample File: C:\elandata\Sample\A070614A.sam
Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 3.004
Tuning File: c:\elandata\Tuning\default_fe.tun
Optimization File: c:\elandata\Optimize\default.dac
Calibration File:
Calibration Type: External Calibration

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	404979.08	0.848	104.322355	ppb
Be	9	79455.35	0.166	104.619209	ppb
Al	27	60367185.66	126.431	10312.951342	ppb
> Sc	45	477426.65	477426.650		ppb
Zn	66	176189.84	0.048	105.166379	ppb
Zn	67	30785.13	0.008	105.330820	ppb
Zn	68	127774.88	0.035	106.262722	ppb
> Y	89	3611866.38	3611866.384		ppb

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	401429.58	0.801	98.597873	ppb
Be	9	78131.07	0.156	98.093285	ppb
Al	27	60987689.45	121.793	9934.683531	ppb
> Sc	45	500697.30	500697.304		ppb
Zn	66	174968.97	0.045	99.155670	ppb
Zn	67	30894.37	0.008	100.153617	ppb
Zn	68	125371.73	0.033	98.993998	ppb
> Y	89	3800810.59	3800810.585		ppb

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Sample Unit
Li	6	405716.56	0.787	96.912352	ppb
Be	9	79649.42	0.155	97.252656	ppb
Al	27	61501340.16	119.445	9743.152949	ppb

|>	Sc	45	514838.86	514838.859		ppb
⌈	Zn	66	176195.92	0.043	95.138314	ppb
|	Zn	67	30538.61	0.007	94.023350	ppb
|	Zn	68	125219.40	0.031	94.209003	ppb
|>	Y	89	3986405.98	3986405.981		ppb

Mean Values

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Sample Unit
⌈	Li	6	404041.74	0.812	99.944194	ppb
|	Be	9	79078.61	0.159	99.988383	ppb
|	Al	27	60952071.76	122.556	9996.929274	ppb
|>	Sc	45	497654.27	497654.271		ppb
⌈	Zn	66	175784.91	0.046	99.820121	ppb
|	Zn	67	30739.37	0.008	99.835929	ppb
|	Zn	68	126122.00	0.033	99.821908	ppb
|>	Y	89	3799694.32	3799694.317		ppb

Relative Std. Dev.

Net Intens. RSD
3.886
4.033
2.900
3.796
5.056
5.670
6.080
4.929

Standard Deviations

	Analyte	Mass	Meas. Intens. SD	Net Intens. SD	Conc. SD
⌈	Li	6	2292.053	0.032	3.884
|	Be	9	826.313	0.006	4.032
|	Al	27	567915.551	3.555	289.954
|>	Sc	45	18890.828	18890.828	
⌈	Zn	66	706.628	0.002	5.047
|	Zn	67	182.244	0.000	5.660
|	Zn	68	1433.458	0.002	6.069
|>	Y	89	187272.294	187272.294	

Quantitative Analysis - Summary Report

Sample ID: Blank
Sample Date/Time: Thursday, June 14, 2007 13:46:23
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Blank.001

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	307.669				ppb
|	Be	9	12.333				ppb
|	Al	27	6156.663				ppb
⌊>	Sc	45	507361.169				ppb
⌈	Zn	66	2738.929				ppb
|	Zn	67	1824.116				ppb
|	Zn	68	1584.421				ppb
⌊>	Y	89	3740542.910				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 1
Sample Date/Time: Thursday, June 14, 2007 13:49:38
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 1.002

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	4223.542	**0.981**	0.07	7.1	ppb
|	Be	9	763.354	**0.961**	0.10	10.2	ppb
|	Al	27	654603.861	**107.359**	4.30	4.0	ppb
⌊>	Sc	45	493494.303				ppb
⌈	Zn	66	11184.376	**4.996**	0.22	4.5	ppb
|	Zn	67	3047.325	**4.378**	0.47	10.7	ppb
|	Zn	68	7550.995	**4.900**	0.21	4.3	ppb
⌊>	Y	89	3712577.668				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 2
Sample Date/Time: Thursday, June 14, 2007 13:52:54
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 2.003

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	80039.048	**20.280**	1.60	7.9	ppb
|	Be	9	15449.684	**20.060**	1.67	8.3	ppb
|	Al	27	11967775.116	**2014.986**	134.39	6.7	ppb
⌊>	Sc	45	485713.237				ppb
⌈	Zn	66	37308.989	**20.900**	1.54	7.4	ppb
|	Zn	67	7580.011	**20.976**	1.60	7.6	ppb
|	Zn	68	26492.213	**20.915**	1.74	8.3	ppb
⌊>	Y	89	3639543.346				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: Standard 3
Sample Date/Time: Thursday, June 14, 2007 13:56:11
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\Standard 3.004

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	404041.740	**99.944**	3.88	3.9	ppb
|	Be	9	79078.615	**99.988**	4.03	4.0	ppb
|	Al	27	60952071.756	**9996.929**	289.95	2.9	ppb
⌊>	Sc	45	497654.271				ppb
⌈	Zn	66	175784.910	**99.820**	5.05	5.1	ppb
|	Zn	67	30739.370	**99.836**	5.66	5.7	ppb
|	Zn	68	126122.004	**99.822**	6.07	6.1	ppb
⌊>	Y	89	3799694.317				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45					
Zn	66					
Zn	67					
Zn	68					
Y	89					

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Thursday, June 14, 2007 14:05:56
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 4.007

Concentration Results

Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
Li	6	967.027	**0.185**	0.02	10.0	ppb
Be	9	24.667	**0.019**	0.01	64.4	ppb
Al	27	263979355.944	**47057.316**	4692.25	10.0	ppb
Sc	45	460351.089				ppb
Zn	66	13151.719	**6.272**	0.81	12.9	ppb
Zn	67	3163.350	**4.931**	0.83	16.8	ppb
Zn	68	7102.766	**4.620**	0.62	13.5	ppb
Y	89	3677893.139				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	94.1				
Sc	45		90.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		98.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 4	6Li	Q
QC Std 4	9Be	Q
QC Std 4	27Al	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 5
Sample Date/Time: Thursday, June 14, 2007 14:37:45
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 5.016

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	978.695	**0.190**	0.01	3.1	ppb
|	Be	9	31.000	**0.028**	0.02	78.7	ppb
|	Al	27	271361381.252	**48658.905**	2632.18	5.4	ppb
⌊>	Sc	45	455868.345				ppb
⌈	Zn	66	41639.265	**23.735**	1.79	7.6	ppb
|	Zn	67	7857.827	**22.228**	1.68	7.5	ppb
|	Zn	68	26667.200	**21.244**	1.43	6.7	ppb
⌊>	Y	89	3607427.319				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27	97.3				
Sc	45		89.9			
Zn	66	118.7				
Zn	67	111.1				
Zn	68	106.2				
Y	89		96.4			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 5	27Al	Q
QC Std 5	66Zn	Q
QC Std 5	67Zn	Q
QC Std 5	68Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 14:41:00
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.017

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Li	6	204284.180	**49.799**	2.20	4.4	ppb
	Be	9	40407.403	**50.382**	2.26	4.5	ppb
	Al	27	30239882.533	**4889.790**	122.08	2.5	ppb
>	Sc	45	504652.563				ppb
	Zn	66	88904.466	**49.714**	1.82	3.7	ppb
	Zn	67	15739.000	**48.025**	2.42	5.0	ppb
	Zn	68	63378.299	**49.530**	2.08	4.2	ppb
>	Y	89	3794800.074				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	99.6				
Be	9	100.8				
Al	27	97.8				
Sc	45		99.5			
Zn	66	99.4				
Zn	67	96.0				
Zn	68	99.1				
Y	89		101.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 14:44:15
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.018

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	401.671	**0.022**	0.02	69.0	ppb
	Be	9	32.000	**0.024**	0.01	31.7	ppb
	Al	27	37642.124	**5.042**	3.74	74.2	ppb
>	Sc	45	511329.812				ppb
	Zn	66	1886.458	**-0.528**	0.03	5.6	ppb
	Zn	67	1325.061	**-1.871**	0.04	1.9	ppb
	Zn	68	1084.375	**-0.429**	0.04	10.3	ppb
>	Y	89	3841509.961				ppb

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
	Li	6					
	Be	9					
	Al	27					
>	Sc	45		100.8			
	Zn	66					
	Zn	67					
	Zn	68					
>	Y	89		102.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1B
Sample Date/Time: Thursday, June 14, 2007 14:47:30
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0PX1B.019

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	269.002	**-0.009**	0.01	100.4	ppb
	Be	9	17.333	**0.006**	0.00	52.8	ppb
	Al	27	56723.422	**8.222**	0.58	7.1	ppb
>	Sc	45	503162.549				ppb
	Zn	66	3270.708	**0.300**	0.06	18.4	ppb
	Zn	67	1526.082	**-1.074**	0.29	27.0	ppb
	Zn	68	2056.148	**0.373**	0.04	12.0	ppb
>	Y	89	3766169.406				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		99.2			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0PX1C
Sample Date/Time: Thursday, June 14, 2007 14:50:46
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0PX1C.020

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
┌	Li	6	203523.973	**48.976**	2.20	4.5	ppb
│	Be	9	39075.371	**48.078**	1.45	3.0	ppb
│	Al	27	29400289.819	**4693.414**	126.38	2.7	ppb
└>	Sc	45	511167.324				ppb
┌	Zn	66	87198.316	**48.605**	1.76	3.6	ppb
│	Zn	67	15371.601	**46.637**	2.89	6.2	ppb
│	Zn	68	61734.105	**48.092**	2.05	4.3	ppb
└>	Y	89	3804525.701				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		100.8			
Zn	66					
Zn	67					
Zn	68					
Y	89		101.7			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKA
Sample Date/Time: Thursday, June 14, 2007 14:54:02
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKA.021

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	143557.581	**34.603**	0.57	1.7	ppb
|	Be	9	44.333	**0.039**	0.01	15.4	ppb
|	Al	27	352029.071	**55.368**	0.75	1.4	ppb
⌊>	Sc	45	509549.467				ppb
⌈	Zn	66	5035.221	**1.321**	0.09	6.7	ppb
|	Zn	67	1656.429	**-0.632**	0.10	15.8	ppb
|	Zn	68	2868.288	**1.025**	0.07	6.5	ppb
⌊>	Y	89	3770287.679				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		100.4			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: SD5X
Sample Date/Time: Thursday, June 14, 2007 14:57:18
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\SD5X.022

Concentration Results

Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
Li	6	30991.432	**7.674**	0.56	7.3	ppb
Be	9	19.333	**0.009**	0.00	11.9	ppb
Al	27	80196.694	**12.307**	1.23	10.0	ppb
Sc	45	493682.276				ppb
Zn	66	2683.252	**0.007**	0.15	2296.2	ppb
Zn	67	1316.394	**-1.675**	0.19	11.3	ppb
Zn	68	1549.751	**0.004**	0.15	3446.2	ppb
Y	89	3663112.874				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		97.3			
Zn	66					
Zn	67					
Zn	68					
> Y	89		97.9			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: AS1.04X
Sample Date/Time: Thursday, June 14, 2007 15:00:34
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\AS1.04X.023

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	136812.307	**33.203**	0.68	2.1	ppb
|	Be	9	36975.463	**45.923**	0.35	0.8	ppb
|	Al	27	28227310.884	**4548.580**	41.90	0.9	ppb
⌊>	Sc	45	506114.626				ppb
⌈	Zn	66	84939.778	**47.700**	0.77	1.6	ppb
|	Zn	67	14832.696	**45.171**	1.00	2.2	ppb
|	Zn	68	59590.699	**46.758**	0.89	1.9	ppb
⌊>	Y	89	3771657.547				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		99.8			
Zn	66					
Zn	67					
Zn	68					
Y	89		100.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAS
Sample Date/Time: Thursday, June 14, 2007 15:03:50
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKAS.024

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	328967.768	**77.891**	1.12	1.4	ppb
|	Be	9	36673.013	**44.385**	0.59	1.3	ppb
|	Al	27	27744582.295	**4356.601**	6.86	0.2	ppb
⌊>	Sc	45	519347.254				ppb
⌈	Zn	66	82689.639	**45.611**	0.16	0.3	ppb
|	Zn	67	14485.341	**43.139**	0.38	0.9	ppb
|	Zn	68	58224.080	**44.890**	0.30	0.7	ppb
⌊>	Y	89	3833440.313				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		102.4			
Zn	66					
Zn	67					
Zn	68					
Y	89		102.5			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DKAD
Sample Date/Time: Thursday, June 14, 2007 15:07:06
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DKAD.025

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	336681.959	**79.541**	0.59	0.7	ppb
|	Be	9	37056.003	**44.748**	0.32	0.7	ppb
|	Al	27	28700419.259	**4496.683**	16.47	0.4	ppb
⌊>	Sc	45	520493.727				ppb
⌈	Zn	66	86201.301	**47.861**	0.07	0.1	ppb
|	Zn	67	14944.480	**44.966**	0.62	1.4	ppb
|	Zn	68	60509.884	**46.941**	0.09	0.2	ppb
⌊>	Y	89	3814320.689				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		102.6			
Zn	66					
Zn	67					
Zn	68					
Y	89		102.0			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 15:20:13
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.029

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	205613.412	**52.070**	2.28	4.4	ppb
|	Be	9	39967.166	**51.756**	1.96	3.8	ppb
|	Al	27	28930388.182	**4859.880**	142.12	2.9	ppb
⌊>	Sc	45	485876.739				ppb
⌈	Zn	66	84689.959	**49.162**	2.62	5.3	ppb
|	Zn	67	14776.972	**46.652**	2.69	5.8	ppb
|	Zn	68	60776.007	**49.307**	2.39	4.9	ppb
⌊>	Y	89	3657631.235				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	104.1				
Be	9	103.5				
Al	27	97.2				
Sc	45		95.8			
Zn	66	98.3				
Zn	67	93.3				
Zn	68	98.6				
Y	89		97.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 15:23:28
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.030

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	421.005	**0.031**	0.01	38.6	ppb
|	Be	9	28.000	**0.021**	0.02	76.6	ppb
|	Al	27	17244.170	**1.879**	1.17	62.5	ppb
⌊>	Sc	45	492818.648				ppb
⌈	Zn	66	1502.746	**-0.711**	0.04	5.5	ppb
|	Zn	67	992.034	**-2.867**	0.17	5.9	ppb
|	Zn	68	922.030	**-0.528**	0.03	5.1	ppb
⌊>	Y	89	3689437.309				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		97.1			
Zn	66					
Zn	67					
Zn	68					
Y	89		98.6			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 16:21:19
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.046

Concentration Results

Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
Li	6	225634.288	**48.496**	2.26	4.7	ppb
Be	9	44279.855	**48.681**	2.38	4.9	ppb
Al	27	35242966.380	**5025.127**	159.31	3.2	ppb
Sc	45	572473.810				ppb
Zn	66	100960.514	**50.669**	3.16	6.2	ppb
Zn	67	17911.222	**49.145**	3.36	6.8	ppb
Zn	68	71605.353	**50.183**	2.45	4.9	ppb
Y	89	4237065.756				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	97.0				
Be	9	97.4				
Al	27	100.5				
Sc	45		112.8			
Zn	66	101.3				
Zn	67	98.3				
Zn	68	100.4				
Y	89		113.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 16:24:34
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.047

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
[	Li	6	404.005	**0.011**	0.01	107.5	ppb
|	Be	9	37.000	**0.025**	0.01	30.7	ppb
|	Al	27	25527.948	**2.597**	0.46	17.6	ppb
|>	Sc	45	581729.163				ppb
[	Zn	66	2552.895	**-0.329**	0.02	5.9	ppb
|	Zn	67	1674.098	**-1.391**	0.15	10.5	ppb
|	Zn	68	1064.706	**-0.550**	0.03	5.0	ppb
|>	Y	89	4389207.769				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		114.7			
Zn	66					
Zn	67					
Zn	68					
Y	89		117.3			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DTG
Sample Date/Time: Thursday, June 14, 2007 16:27.49
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DTG.048

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
┌	Li	6	240310.458	**171.933**	6.33	3.7	ppb
│	Be	9	42.000	**0.139**	0.04	26.0	ppb
│	Al	27	27277.747	**11.967**	1.20	10.0	ppb
└>	Sc	45	172097.307				ppb
┌	Zn	66	12031.732	**16.183**	0.49	3.0	ppb
│	Zn	67	3652.800	**25.954**	1.30	5.0	ppb
│	Zn	68	5548.744	**10.108**	0.44	4.3	ppb
└>	Y	89	1481541.583				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		33.9			
Zn	66					
Zn	67					
Zn	68					
Y	89		39.6			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: J0DTN
Sample Date/Time: Thursday, June 14, 2007 16:32:08
Dilution Factor: 7162268
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\J0DTN.049

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	547140.116	**295.860**	12.56	4.2	ppb
|	Be	9	37.333	**0.088**	0.01	14.8	ppb
|	Al	27	129916.880	**45.590**	2.33	5.1	ppb
⌊>	Sc	45	227761.300				ppb
⌈	Zn	66	35503.397	**40.510**	1.63	4.0	ppb
|	Zn	67	6974.369	**43.129**	0.89	2.1	ppb
|	Zn	68	23315.680	**37.132**	1.74	4.7	ppb
⌊>	Y	89	1846791.876				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
Sc	45		44.9			
Zn	66					
Zn	67					
Zn	68					
Y	89		49.4			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Thursday, June 14, 2007 16:36:56
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 6.050

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	237339.469	**50.639**	2.34	4.6	ppb
|	Be	9	46383.535	**50.618**	2.48	4.9	ppb
|	Al	27	34265483.935	**4850.917**	180.67	3.7	ppb
⌊>	Sc	45	576487.006				ppb
⌈	Zn	66	97459.354	**49.789**	3.21	6.5	ppb
|	Zn	67	17549.441	**49.027**	3.42	7.0	ppb
|	Zn	68	69448.737	**49.568**	2.83	5.7	ppb
⌊>	Y	89	4159139.359				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6	101.3				
Be	9	101.2				
Al	27	97.0				
Sc	45		113.6			
Zn	66	99.6				
Zn	67	98.1				
Zn	68	99.1				
Y	89		111.2			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message
QC Std 6	66Zn	Q
QC Std 6	67Zn	Q
QC Std 6	68Zn	Q

Quantitative Analysis - Summary Report

Sample ID: QC Std 7
Sample Date/Time: Thursday, June 14, 2007 16:40:26
Dilution Factor:
Analyst: XBE

Method File: C:\elandata\Method\A1 MS FULL5.208 GW.mth
Dataset File: c:\elandata\dataset\a070614a\QC Std 7.051

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	812.019	**0.093**	0.02	16.1	ppb
|	Be	9	24.000	**0.010**	0.01	53.6	ppb
|	Al	27	19749.363	**1.719**	0.28	16.1	ppb
⌊>	Sc	45	595774.189				ppb
⌈	Zn	66	2343.526	**-0.397**	0.03	8.6	ppb
|	Zn	67	1430.738	**-1.982**	0.22	11.3	ppb
|	Zn	68	1040.371	**-0.545**	0.01	1.2	ppb
⌊>	Y	89	4255797.396				ppb

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Duplicate Rel. % Difference	Dilution % Difference
Li	6					
Be	9					
Al	27					
> Sc	45		117.4			
Zn	66					
Zn	67					
Zn	68					
> Y	89		113.8			

QC Out Of Limits

Measurement Type	MassAnalyte	Out of Limits Message

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 6010B

Associated Samples: 1-2

Batch Number: 7164268

QC & Sample Data

STL

Inductively Coupled Plasma-Atomic Emission Spectroscopy,
Spectrophotometric Method for Trace Element Analyses

Circle Method Used: SW846 6010B / EPA 200.7: AUS-MT-0001, current revision
~~Other SOP:~~ _____

Run/Project Information:
Analyst: HD Run Date: 6/14/07 Instrument: A2

Prep Batches: 764268
HBN: _____

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	Y			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits? (6010B = 90 – 110%, 200.7 = 95 –105%)	Y			✓
3. ICB/CCB analyzed at appropriate frequency and less than PQL or RL, as appropriate?	Y			✓
5. ICSA/ICSAB run at required frequency and within SOP limits?	Y			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed?	Y			✓
2. All reported results bracketed by in control QC?	Y			✓
3. Sample analyses done within holding time?	Y			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	Y			✓
2. Method blank done per prep batch and < RL or PQL as required?	Y			✓
3. MS run at required frequency and within limits?	Y			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	Y			✓
5. Dilution Test done per prep batch?	Y			✓
6. Post digest spike analyzed if required?	Y			✓
D. Other				
1. Are all nonconformances documented appropriately?	Y			✓
2. Current MDL/LR/IEC data on file?	Y			✓
3. Calculations checked for error ?	Y			✓
4. All unused analyses noted on the sequence with the reason?	Y			✓
5. Transcriptions checked for error?	Y			✓
6. All client/project specific requirements met?	Y			✓
7. Date/time of analysis verified as correct?	Y			✓

Analyst: Hamid Davudi Date: 6/14/07
Comments: _____

2nd Level Reviewer: [signature] Date: 6/14/07
Comments: _____

STL Austin

Analyst HD Date 6/13/07

Digestion Method 3010A

SOP No#: (Circle one)
AUS-IP-0002, current revision
AUS-IP-0003, current revision
(AUS-IP-0010, current revision)
AUS-IP-0011, current revision

Hot Block Temp. Criteria: 90°C ± 5°C

Hot Block Temp. Check for HEP (Gentle Boil) NA

Digestion Cup Lot #: A702L5136

Hot Block ID#	Temp. (°C)	Thermometer
A	91	7.607
B	—	—
C	—	—
D	—	—
E	—	—

Spiking Solutions:

0.5 mL StdsLog # 07METO838
0.5 mL StdsLog # 0839
0.5 mL StdsLog # ME-Tr-Sb-00001
0.5 mL StdsLog # ME-multi-00001
— mL StdsLog # —
— mL StdsLog # —

Reagents	Lot #/StdsLog #	Reagents	Lot #/StdsLog #
HNO_3 (1:1)	—	HCl (1:1)	1:1HCl-00001
HNO_3 (1:4)	—	HCl (conc.)	—
HNO3 (conc.)	HNO3-00003	H_2O_2	—

Balance ID #: XLVI (46)

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
BK	NA	50	50	
LCS				
J0GDH				
J0KF4				
—S				50X 6/14/07
—SD				
J0QDC		1 ml		1 ml used 1 ml
J0DTG				
J0DTN				
J0V8C				7/10 001
J0V8L				7/11 001
J0V8N				7/11 101

Sample	Weight (g)	Initial Volume (mL)	Final Volume (mL)	Comments
J0V8Q	NA	~~NA~~ 50	50	7/11 201
J0V8W	↓	↓	↓	7/12 001

6/13/07 PM

TJA Trace (A2) Serial Dilution and Analytical Spike Recovery Calculations						STL, Austin		
		BATCH #	7164268					
		Work Order:	J0KF4					
	Instrument Factor:		1				AS DF	
							1.042	
MDL	A. Spike		Original	S.D.	A.S.	SD %	AS %	SD
(ug/L)	(mg/L)	Element	Result (mg/L)	Result (mg/L)	Result (mg/L)	Difference	Recovery	Flag
0.54	0.1	Silver						
8.22	50	Aluminum						
2.48	0.5	Arsenic						
0.89	0.5	Barium						
0.17	0.5	Beryllium						
0.7	0.5	Boron						
20.25	50	Calcium						
0.23	0.5	Cadmium						
0.68	0.5	Cobalt						
0.93	0.5	Chromium						
2.34	0.5	Copper	0.3096	0.0623	0.7928	0.61	99.14	
15.88	50	Iron						
4.69	50	Magnesium						
0.14	0.5	Manganese						
2.45	0.5	Molybdenum						
2.35	10	Phosphorous						
105.48	50	Potassium						
16.93	50	Silicon						
371.84	50	Sodium						
0.48	0.5	Nickel						
1.59	0.5	Lead						
1.64	0.5	Selenium						
4.71	10	Sulfer						
0.07	0.5	Strontium						
5.4	0.5	Antimony						
2.01	0.5	Tin						
0.32	0.5	Titanium						
6.17	0.5	Thallium						
0.71	0.5	Vanadium						
2.12	0.5	Zinc						

Instrument ID: A2

Instrument model: ICP 61E Trace Analyzer

Linearity			
Element	Linear Range Mg/L	Element	Linear Range mg/L
Al	800	P	100
Sb	40	K	300
As	20	Se	25
Ba	20	Si	400
Be	10	Ag	10
Bi	25	Na	500
B	80	Sr	10
Cd	25	S	400
Ca	800	Te	20
Cr	100	Tl	100
Co	80	Sn	20
Cu	80	Ti	20
Fe	1500	W	20
Pb	100	V	100
Mg	500	Zn	10
Mn	20	U	NA
Mo	20	Pd	NA
Ni	80	Au	NA

Filename Linearity: A60324A & A60327A for S
Filename IEC: A60324A
Filename Quarterly Curve Fit: A60324A

6/14/07

Instrument ID: ICP-A2 3 Analyst Initials/Date: HD
Data File Name: A706HA Method/Test: 6010B/ 200.7
Computer Clock Date/Time: 6/14/07 08:00 SOP #: AUS-MT-0001, current revision

Routine Maintenance:		
Clean Torch N	Clean Injector Tip N	Replace Injector Tip N
Replace Pump Winding N	Check Vacuum < 10 mTorr Y	Check Argon Pressure Y
As Profile: Micrometer 742	Intensity 1935 / 1463	-.021/622
Comments:		

Internal Standard:		Calibration / Continuing Calibration Verification Standards:	
Internal Standard:	07MET0132	Std 1 / CCV2:	07MET 0260
Initial Calibration Verification Standard		Std 2:	0261
ICV1:	—	Std 3 / CCV5:	0280
ICV2:	07MET 0172	Std 4:	0281

Limit Check Samples:		Analytical Spike Information:			
QLCS:	—	Spike #	Spike ID	Volume	
RLCS:	—	1	06MET0837	0.1 mLs	
	—	2	0838	0.1 mLs	
Interference Check Standards:		3	0839	0.1 mLs	
ICSA:	07MET 0214	4	0840	0.1 mLs	
ICSAB:	0215	5		mLs	
	—	6		mLs	
Client Specified / Other QC Standards:					
As Profile Std.:	07MET0050				

Comments:

Analysis Report Summary 06/14/07 01:44:53 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD0	A70314A	TRAA2	06/14/07	09:17		X	IR
2	STD1	A70314A	TRAA2	06/14/07	09:21		X	IR
3	STD2	A70314A	TRAA2	06/14/07	09:26		X	IR
4	STD3 Recalibrate	A70314A	TRAA2	06/14/07	09:31		X	IR
5	STD4	A70314A	TRAA2	06/14/07	09:35		X	IR
6	ICV2	A70314A	TRAA2	06/14/07	09:39	HD	Q	CONC
7	ICB	A70314A	TRAA2	06/14/07	09:44	LEJ	Q	CONC
8	ICSA	A70314A	TRAA2	06/14/07	09:49	HD	Q	CONC
9	ICSAB	A70314A	TRAA2	06/14/07	09:53	HD	S	CONC
10	STD0	A70314A	TRAA2	06/14/07	10:12		X	IR
11	STD1 Recalibrate	A70314A	TRAA2	06/14/07	10:16		X	IR
12	STD2	A70314A	TRAA2	06/14/07	10:21		X	IR
13	STD3	A70314A	TRAA2	06/14/07	10:26		X	IR
14	STD4	A70314A	TRAA2	06/14/07	10:30		X	IR
15	ICV2 Zn failed	A70314A	TRAA2	06/14/07	10:34	HD	Q	CONC
16	ICB	A70314A	TRAA2	06/14/07	10:39	LEJ	Q	CONC
17	STD0	A70314A	TRAA2	06/14/07	11:01		X	IR
18	STD1	A70314A	TRAA2	06/14/07	11:06		X	IR
19	STD2	A70314A	TRAA2	06/14/07	11:10		X	IR
20	STD3	A70314A	TRAA2	06/14/07	11:15		X	IR
21	STD4	A70314A	TRAA2	06/14/07	11:19		X	IR
22	ICV2 Zn passed 200.7	A70314A	TRAA2	06/14/07	11:24	HD	Q	CONC
23	ICB	A70314A	TRAA2	06/14/07	11:28	LEJ	Q	CONC
24	ICSA	A70314A	TRAA2	06/14/07	11:33	HD	Q	CONC
25	ICSAB	A70314A	TRAA2	06/14/07	11:38	HD	S	CONC
26	CCV2	A70314A	TRAA2	06/14/07	11:42	HD	S	CONC
27	CCB	A70314A	TRAA2	06/14/07	11:47	HD	S	CONC
28	J0WAXB 7164268 (R Zn, Pb)	A70314A	TRAA2	06/14/07	11:52	HD	S	CONC
29	J0WAXC	A70314A	TRAA2	06/14/07	11:57	HD	S	CONC
30	J0GDH	A70314A	TRAA2	06/14/07	12:01	HD	S	CONC
31	J0KF4 PARENT	A70314A	TRAA2	06/14/07	12:06	HD	S	CONC
32	SD 1:5	A70314A	TRAA2	06/14/07	12:11	HD	S	CONC
33	AS 1:042	A70314A	TRAA2	06/14/07	12:15	HD	S	CONC
34	J0KF4S	A70314A	TRAA2	06/14/07	12:20	HD	S	CONC
35	J0KF4D	A70314A	TRAA2	06/14/07	12:25	HD	S	CONC
36	J0V8C (R Zn	A70314A	TRAA2	06/14/07	12:29	HD	S	CONC
37	J0V8L (R Zn, Pb	A70314A	TRAA2	06/14/07	12:34	HD	S	CONC
38	CCV2	A70314A	TRAA2	06/14/07	12:39	HD	S	CONC
39	CCB	A70314A	TRAA2	06/14/07	12:44	HD	S	CONC
40	J0V8N (R Zn	A70314A	TRAA2	06/14/07	12:49	HD	S	CONC
41	J0V8Q	A70314A	TRAA2	06/14/07	12:54	HD	S	CONC
42	J0V8W (R Zn	A70314A	TRAA2	06/14/07	12:58	HD	S	CONC
43	J0QDC Sox Prep	A70314A	TRAA2	06/14/07	13:03	HD	S	CONC
44	J0DTG	A70314A	TRAA2	06/14/07	13:08	HD	S	CONC
45	J0DTN	A70314A	TRAA2	06/14/07	13:12	HD	S	CONC
46	ICSA	A70314A	TRAA2	06/14/07	13:18	HD	Q	CONC
47	ICSAB	A70314A	TRAA2	06/14/07	13:23	HD	S	CONC
48	CCV2	A70314A	TRAA2	06/14/07	13:27	HD	S	CONC
49	CCB	A70314A	TRAA2	06/14/07	13:32	HD	S	CONC

HM 6/14/07

Standardization Rpt. 06/14/07 11:06:13 AM page 1

Method: TRAA2 Standard: STD0
Run Time: 06/14/07 11:01:35

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	.0350	-.0006	-.0017	.0130	-.0212	-.0023	.0028
SDev	.0006	.0031	.0023	.0000	.0000	.0060	.0002
%RSD	1.786	520.3	137.1	.0971	.1829	256.0	7.532
#1	.0346	-.0028	-.0001	.0129	-.0212	-.0066	.0027
#2	.0355	.0016	-.0033	.0130	-.0212	.0019	.0030

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	.0016	.0318	.0008	-.0007	.0467	-.0004	-.0087
SDev	.0007	.0002	.0016	.0003	.0007	.0001	.0161
%RSD	41.23	.5025	196.3	40.57	1.528	40.24	184.8
#1	.0021	.0317	-.0003	-.0009	.0461	-.0003	-.0200
#2	.0011	.0319	.0019	-.0005	.0472	-.0005	.0027

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664
Avge	-.0015	.0027	.0002	.0002	.0028	.0013	.6055
SDev	.0046	.0007	.0001	.0011	.0034	.0006	.0027
%RSD	302.4	26.51	70.57	711.5	120.6	43.46	.4464
#1	.0017	.0022	.0001	-.0006	.0004	.0016	.6036
#2	-.0048	.0032	.0003	.0009	.0052	.0009	.6074

Elem	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215	S_1820
Avge	-.0188	.0096	.0679	-.0007	.0027	.0011	.0238
SDev	.0072	.0006	.0000	.0012	.0016	.0002	.0002
%RSD	38.28	5.870	.0225	184.8	59.33	17.07	.9440
#1	-.0238	.0100	.0679	-.0015	.0016	.0009	.0240
#2	-.0137	.0092	.0679	.0002	.0039	.0012	.0237

Elem	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924	Zn2062
Avge	.0113	-.0044	-.0075	.0158	.0192	.0001	.0014
SDev	.0039	.0059	.0015	.0045	.0036	.0003	.0001
%RSD	34.73	133.6	20.16	28.39	18.94	330.8	7.823
#1	.0141	-.0085	-.0064	.0126	.0166	-.0001	.0013
#2	.0086	-.0002	-.0086	.0189	.0217	.0003	.0014

A2
6/14/07
A70614A
HD

Standardization Rpt. 06/14/07 11:06:13 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19485	--	--	--	--	--	--
SDev	35.63846	--	--	--	--	--	--
%RSD	.1829020	--	--	--	--	--	--
#1	19460	--	--	--	--	--	--
#2	19510	--	--	--	--	--	--

Standardization Rpt. 06/14/07 11:10:55 AM page 1

Method: TRAA2 Standard: STD1
Run Time: 06/14/07 11:06:17

Elem	Al3062	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	10.09	.5833	1.270	.8849	3.031	.5767	.7059
SDev	.00	.0046	.002	.0004	.000	.0033	.0027
%RSD	.0457	.7794	.1510	.0499	.0130	.5722	.3788
#1	10.09	.5865	1.271	.8846	3.031	.5790	.7041
#2	10.09	.5801	1.268	.8852	3.031	.5744	.7078

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	4.031	12.05	1.094	.3835	1.148	2.427	2.095
SDev	.000	.00	.002	.0002	.001	.001	.008
%RSD	.0038	.0366	.1599	.0553	.0887	.0382	.4017
#1	4.031	12.05	1.093	.3833	1.149	2.426	2.089
#2	4.031	12.05	1.095	.3836	1.148	2.427	2.101

Elem	Pb/2	Mn2576	Mo2020	Ni2316	Se/1	Se/2	Ag3280
Avge	.9815	.4835	.5078	2.201	1.152	.8041	.9529
SDev	.0049	.0002	.0011	.003	.000	.0028	.0009
%RSD	.4949	.0381	.2147	.1309	.0075	.3518	.0959
#1	.9780	.4834	.5086	2.199	1.152	.8061	.9523
#2	.9849	.4837	.5071	2.203	1.153	.8021	.9536

Elem	Sr4215	S_1820	Te2142	Tl1908	Sn1899	V_2924	Zn2062
Avge	4.089	13.18	.5810	.7705	.8625	.2158	.2313
SDev	.002	.00	.0043	.0088	.0064	.0003	.0001
%RSD	.0457	.0058	.7384	1.139	.7380	.1245	.0299
#1	4.088	13.18	.5840	.7643	.8670	.2160	.2312
#2	4.091	13.18	.5780	.7767	.8580	.2156	.2313

Standardization Rpt. 06/14/07 11:10:55 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19247	--	--	--	--	--	--
SDev	8.802927	--	--	--	--	--	--
%RSD	.0457376	--	--	--	--	--	--
#1	19253	--	--	--	--	--	--
#2	19240	--	--	--	--	--	--

Standardization Rpt. 06/14/07 11:15:37 AM page 1

Method: TRAA2 Standard: STD2
Run Time: 06/14/07 11:10:59

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Avge	20.20	1.167	2.550	1.741	5.995	1.188	1.421
SDev	.02	.003	.002	.001	.003	.002	.003
%RSD	.1150	.2819	.0655	.0806	.0555	.2049	.1828
#1	20.19	1.164	2.548	1.740	5.998	1.190	1.419
#2	20.22	1.169	2.551	1.742	5.993	1.186	1.422

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Avge	7.920	23.59	2.155	.7535	2.281	4.781	4.139
SDev	.007	.01	.001	.0011	.003	.001	.011
%RSD	.0824	.0467	.0346	.1464	.1136	.0167	.2626
#1	7.925	23.60	2.155	.7543	2.279	4.780	4.147
#2	7.916	23.58	2.154	.7527	2.283	4.781	4.132

Elem	Pb/2	Mg2790	Mn2576	Mo2020	Ni2316	K_7664	Se/1
Avge	1.934	32.81	.9607	1.014	4.301	37.33	2.321
SDev	.007	.00	.0000	.004	.009	.04	.001
%RSD	.3698	.0141	.0030	.3829	.2084	.0992	.0417
#1	1.929	32.81	.9607	1.012	4.307	37.31	2.322
#2	1.940	32.81	.9607	1.017	4.294	37.36	2.320

Elem	Se/2	Ag3280	Na3302	Sr4215	S_1820	Te2142	Tl1908
Avge	1.586	1.907	1.470	8.205	25.35	1.139	1.531
SDev	.000	.002	.003	.006	.01	.003	.002
%RSD	.0224	.1030	.2013	.0773	.0259	.2828	.1246
#1	1.587	1.906	1.468	8.201	25.35	1.137	1.532
#2	1.586	1.908	1.472	8.210	25.36	1.141	1.529

Elem	Sn1899	V_2924	Zn2062
Avge	1.718	.4310	.4539
SDev	.004	.0001	.0013
%RSD	.2508	.0296	.2777
#1	1.721	.4309	.4548
#2	1.715	.4310	.4530

Standardization Rpt. 06/14/07 11:15:37 AM page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18918	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0224259	--	--	--	--	--	--
#1	18915	--	--	--	--	--	--
#2	18921	--	--	--	--	--	--

Standardization Rpt. 06/14/07 11:19:47 AM page 1

Method: TRAA2 Standard: STD3
Run Time: 06/14/07 11:15:40

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	16.37	20.56	4.151	1.323
SDev	.02	.02	.007	.001
%RSD	.1307	.0803	.1676	.0799
#1	16.35	20.58	4.156	1.324
#2	16.38	20.55	4.146	1.322

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19856	--	--	--	--	--	--
SDev	63.42693	--	--	--	--	--	--
%RSD	.3194281	--	--	--	--	--	--
#1	19812	--	--	--	--	--	--
#2	19901	--	--	--	--	--	--

Standardization Rpt. 06/14/07 11:23:59 AM page 1

Method: TRAA2 Standard: STD4
Run Time: 06/14/07 11:19:51

Elem	P_1782	Si2881	Ti3372	W_2079
Avge	29.62	41.00	8.308	2.667
SDev	.03	.06	.004	.010
%RSD	.1009	.1481	.0458	.3695
#1	29.64	40.96	8.311	2.674
#2	29.60	41.05	8.305	2.660

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19848	--	--	--	--	--	--
SDev	11.24189	--	--	--	--	--	--
%RSD	.0566391	--	--	--	--	--	--
#1	19856	--	--	--	--	--	--
#2	19840	--	--	--	--	--	--

Analysis Report QC Standard 06/14/07 11:38:11 AM page 1

Method: TRAA2 Sample Name: ICSA Operator: HD
Run Time: 06/14/07 11:33:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	478.8	-.0027	-.0004	.0009	-.0002	.0087	.0011
SDev	.0	.0055	.0004	.0000	.0000	.0011	.0006
%RSD	.0078	204.0	112.1	3.828	.9732	12.58	54.53
#1	478.8	-.0065	-.0001	.0010	-.0002	.0080	.0016
#2	478.8	.0012	-.0007	.0009	-.0002	.0095	.0007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	500.0	.0000	.0000	.0000	.0000		.0000
Range	100.0	.0100	.0100	.0050	.0040		.6000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	455.8	.0009	-.0001	.0008	190.9	-.0060
SDev	.0001	.4	.0003	.0004	.0002	.1	.0013
%RSD	8.579	.0884	38.71	317.4	19.35	.0609	21.83
#1	-.0006	455.5	.0011	.0002	.0009	190.8	-.0051
#2	-.0006	456.1	.0007	-.0004	.0007	191.0	-.0069
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	500.0	.0000	.0000	.0000	200.0	
Range	.0040	100.0	.0100	.0100	.0100	40.00	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-74.98	500.5	.0054	-.0017	.0029	-.0050
SDev	.0010	.29	.2	.0000	.0017	.0003	.0006
%RSD	72.66	.3926	.0348	.1983	100.4	10.90	13.03
#1	-.0006	-74.77	500.3	.0054	-.0005	.0031	-.0045
#2	-.0020	-75.19	500.6	.0054	-.0028	.0027	-.0054
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			500.0	.0000	.0000	.0000	.0000
Range			100.0	.0100	.0150	.0200	1.000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0038	.0040	.0398	.0007	-.0364	.0056
SDev	.0017	.0056	.0026	.0024	.0003	.0376	.0000
%RSD	634.9	147.4	63.66	6.013	36.97	103.2	.3914
#1	.0010	.0002	.0022	.0415	.0008	-.0098	.0057
#2	-.0015	-.0078	.0059	.0381	.0005	-.0630	.0056
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000			.0000	.0000	.0000	.0000
Range	.5000			1.000	.0100	1.000	.0060

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report QC Standard 06/14/07 11:38:11 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0526	-.0022	.0029	.0038	.0009	.0007	-.0007
SDev	.0016	.0019	.0007	.0006	.0001	.0002	.0001
%RSD	2.990	86.87	23.53	14.95	7.335	32.26	11.14
#1	.0537	-.0036	.0034	.0034	.0009	.0005	-.0007
#2	.0515	-.0009	.0024	.0042	.0008	.0009	-.0008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5.000	.2000	.0100	.0500	.0500	.1000	.0100

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0004	-.0029	.0015	6.667
SDev	.0005	.0011	.0001	.000
%RSD	101.4	37.63	8.566	.0018
#1	-.0008	-.0021	.0015	6.667
#2	-.0001	-.0036	.0014	6.667
Errors	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	
Range	.0200	.0060	.0100	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17915	--	--	--	--	--	--
SDev	23.65355	--	--	--	--	--	--
%RSD	.1320341	--	--	--	--	--	--
#1	17898	--	--	--	--	--	--
#2	17931	--	--	--	--	--	--

Analysis Report 06/14/07 11:42:53 AM page 1

Method: TRAA2 Sample Name: ICSAB Operator: HD
Run Time: 06/14/07 11:38:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	483.1	.9987	1.013	1.020	.9891	.0074	.0012
SDev	.6	.0072	.001	.000	.0006	.0002	.0001
%RSD	.1140	.7180	.1108	.0081	.0629	2.293	6.174
#1	483.5	.9936	1.013	1.020	.9896	.0073	.0012
#2	482.7	1.004	1.014	1.020	.9887	.0075	.0011
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High		1.104	1.058	1.097	1.039		
Low		.9551	.9255	.9580	.9232		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9450	471.2	.9861	.9461	1.065	197.2	.9701
SDev	.0008	.3	.0001	.0007	.000	.0	.0043
%RSD	.0843	.0605	.0077	.0707	.0246	.0154	.4462
#1	.9456	471.4	.9861	.9466	1.065	197.2	.9732
#2	.9444	471.0	.9862	.9457	1.066	197.2	.9671
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	1.010		1.036	.9823	1.133		1.037
Low	.8873		.9156	.8495	.9899		.9205

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9695	-75.48	514.1	1.002	1.005	.9808	-.0052
SDev	.0069	.12	.0	.001	.004	.0004	.0032
%RSD	.7123	.1550	.0039	.1030	.3591	.0418	61.32
#1	.9744	-75.40	514.1	1.003	1.003	.9810	-.0074
#2	.9646	-75.57	514.1	1.001	1.008	.9805	-.0029
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.037			1.061	1.056	1.042	
Low	.9205			.9460	.9350	.8800	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8509	.9908	.9758	.0395	1.044	1.092	.0057
SDev	.0057	.0030	.0075	.0017	.000	.022	.0000
%RSD	.6699	.3051	.7694	4.221	.0411	2.045	.0416
#1	.8549	.9887	.9811	.0407	1.044	1.077	.0057
#2	.8468	.9930	.9705	.0384	1.044	1.108	.0057
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	NOCHECK
High	1.237	1.054	1.054		1.128	1.777	
Low	.8143	.9396	.9396		.9934	.0988	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/14/07 11:42:53 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0539	-.0030	.9681	.0052	.0010	-.0007	1.007
SDev	.0017	.0033	.0064	.0003	.0001	.0021	.000
%RSD	3.183	107.5	.6602	5.245	5.181	282.5	.0348
#1	.0527	-.0007	.9635	.0054	.0010	-.0022	1.007
#2	.0551	-.0053	.9726	.0050	.0009	.0007	1.006
Errors	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass
High			1.026				1.056
Low			.9130				.9392

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.9871	.9697	.9807	6.667
SDev	.0002	.0061	.0040	.000
%RSD	.0247	.6245	.4112	.0023
#1	.9870	.9740	.9836	6.667
#2	.9873	.9654	.9779	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.017	1.037	1.054	
Low	.8780	.9205	.9396	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18339	--	--	--	--	--	--
SDev	81.77718	--	--	--	--	--	--
%RSD	.4459140	--	--	--	--	--	--
#1	18281	--	--	--	--	--	--
#2	18397	--	--	--	--	--	--

Analysis Report 06/14/07 11:47:34 AM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/14/07 11:42:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.38	.5021	.5060	.5046	.5076	.4913	.5036
SDev	.01	.0024	.0008	.0002	.0000	.0027	.0004
%RSD	.0283	.4848	.1650	.0448	.0023	.5587	.0864
#1	50.39	.5039	.5066	.5045	.5076	.4932	.5033
#2	50.37	.5004	.5055	.5048	.5076	.4894	.5039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5063	51.32	.5080	.5081	.4984	50.90	.5109
SDev	.0009	.03	.0001	.0001	.0002	.01	.0006
%RSD	.1801	.0669	.0124	.0298	.0350	.0282	.1225
#1	.5070	51.35	.5080	.5080	.4985	50.89	.5113
#2	.5057	51.30	.5080	.5082	.4983	50.91	.5104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5057	-74.43	50.06	.5050	.5053	.5064	-.0114
SDev	.0017	.32	.03	.0005	.0024	.0008	.0006
%RSD	.3310	.4356	.0534	.1002	.4704	.1653	5.161
#1	.5069	-74.66	50.08	.5053	.5036	.5058	-.0118
#2	.5046	-74.20	50.04	.5046	.5070	.5069	-.0110
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.46	.5055	.5069	.0154	.5021	49.66	.5007
SDev	.03	.0012	.0019	.0005	.0000	.02	.0001
%RSD	.0590	.2325	.3766	3.115	.0001	.0412	.0242
#1	48.44	.5063	.5055	.0150	.5021	49.64	.5006
#2	48.48	.5046	.5082	.0157	.5021	49.67	.5008
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/14/07 11:47:34 AM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.27	.5035	.5032	.5071	.0003	-.0028	.5042
SDev	.03	.0023	.0010	.0056	.0001	.0015	.0002
%RSD	.0535	.4560	.2096	1.115	44.93	51.78	.0322
#1	51.25	.5019	.5025	.5031	.0002	-.0018	.5043
#2	51.29	.5052	.5040	.5111	.0003	-.0038	.5041
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5095	.5074	.5064	6.667
SDev	.0013	.0013	.0009	.000
%RSD	.2496	.2617	.1760	.0011
#1	.5104	.5084	.5058	6.667
#2	.5086	.5065	.5070	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19123	--	--	--	--	--	--
SDev	16.22755	--	--	--	--	--	--
%RSD	.0848596	--	--	--	--	--	--
#1	19111	--	--	--	--	--	--
#2	19134	--	--	--	--	--	--

Analysis Report 06/14/07 11:52:15 AM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/14/07 11:47:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	-.0001	.0008	.0005	.0002	-.0005	.0001
SDev	.0074	.0002	.0010	.0001	.0000	.0028	.0003
%RSD	43.40	188.4	120.8	26.99	15.62	594.7	260.2
#1	.0222	-.0002	.0015	.0006	.0002	.0015	-.0001
#2	.0118	.0000	.0001	.0004	.0002	-.0024	.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0375	.0004	.0002	.0005	.0194	.0014
SDev	.0003	.0092	.0002	.0001	.0002	.0150	.0009
%RSD	210.4	24.47	49.19	43.18	35.45	77.32	64.32
#1	.0004	.0440	.0006	.0003	.0006	.0300	.0007
#2	-.0001	.0310	.0003	.0001	.0004	.0088	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-73.81	.0292	-.0000	.0010	H.2680	-.0010
SDev	.0001	.30	.0088	.0000	.0012	.0009	.0014
%RSD	83.52	.4004	30.23	10.87	113.7	.3314	141.3
#1	-.0001	-73.60	.0355	-.0000	.0002	H.2673	-.0000
#2	-.0003	-74.02	.0230	-.0000	.0018	H.2686	-.0019
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0332	-.0001	-.0001	-.0026	.0004	-.0802	.0001
SDev	.0093	.0008	.0032	.0016	.0004	.1237	.0000
%RSD	27.86	1030.	2743.	59.91	128.3	154.1	39.92
#1	.0398	-.0007	-.0024	-.0015	.0007	.0072	.0001
#2	.0267	.0005	.0021	-.0038	.0000	-.1677	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.0001	-.0000	.0015	-.0001	-.0002	.0003
SDev	.0079	.0016	.0026	.0001	.0002	.0007	.0004
%RSD	91.77	1930.	5921.	7.176	260.0	434.6	118.7
#1	.0141	.0012	.0018	.0016	.0001	.0004	.0006
#2	.0030	-.0011	-.0018	.0014	-.0002	-.0007	.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0003	.0003	-.0001	6.667
SDev	.0002	.0002	.0024	.000
%RSD	51.36	57.99	2312.	.0016
#1	-.0002	.0002	-.0018	6.667
#2	-.0005	.0005	.0016	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19691	--	--	--	--	--	--
SDev	116.8853	--	--	--	--	--	--
%RSD	.5936036	--	--	--	--	--	--
#1	19608	--	--	--	--	--	--
#2	19773	--	--	--	--	--	--

Analysis Report 06/14/07 11:57:01 AM page 1

Method: TRAA2 Sample Name: J0WAXB Operator: HD
Run Time: 06/14/07 11:52:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0176	-.0011	-.0002	.0004	.0001	-.0000	-.0007
SDev	.0193	.0003	.0010	.0000	.0001	.0038	.0015
%RSD	109.5	24.40	445.4	6.658	61.40	47100.	209.0
#1	.0040	-.0009	.0005	.0003	.0000	.0027	.0003
#2	.0312	-.0013	-.0009	.0004	.0001	-.0027	-.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0638	.0003	.0005	.0000	.0156	-.0014
SDev	.0001	.0596	.0004	.0001	.0003	.0008	.0044
%RSD	498.1	93.39	115.8	28.99	2453.	5.046	317.1
#1	-.0001	.0217	.0001	.0006	.0002	.0151	-.0045
#2	.0001	.1059	.0006	.0004	-.0002	.0162	.0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-73.93	.0343	.0000	-.0002	.0005	-.0121
SDev	.0036	.49	.0278	.0000	.0008	.0003	.0030
%RSD	307.2	.6648	81.17	1.879	553.3	53.77	24.56
#1	.0037	-73.58	.0146	.0000	.0004	.0007	-.0100
#2	-.0014	-74.28	.0540	.0000	-.0008	.0003	-.0142
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0138	-.0017	.0004	.0617	.0002	-.0196	.0001
SDev	.0011	.0080	.0017	.0011	.0006	.0424	.0000
%RSD	7.904	479.2	402.5	1.717	258.1	216.2	15.40
#1	.0131	-.0074	.0016	.0625	-.0002	-.0496	.0001
#2	.0146	.0040	-.0008	.0610	.0006	.0104	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	-.0002	-.0011	.0014	.0000	.0008	.0003
SDev	.0006	.0026	.0011	.0013	.0002	.0021	.0006
%RSD	22.27	1059.	104.1	90.07	20010.	259.3	164.6
#1	-.0029	.0016	-.0019	.0005	-.0002	-.0007	-.0001
#2	-.0021	-.0021	-.0003	.0023	.0002	.0023	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0013	.0003	-.0003	6.667
SDev	.0004	.0009	.0015	.000
%RSD	29.71	293.2	556.5	.0038
#1	.0016	.0010	-.0014	6.667
#2	.0010	-.0003	.0008	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19705	--	--	--	--	--	--
SDev	59.92730	--	--	--	--	--	--
%RSD	.3041296	--	--	--	--	--	--
#1	19747	--	--	--	--	--	--
#2	19662	--	--	--	--	--	--

Analysis Report 06/14/07 12:01:41 PM page 1

Method: TRAA2 Sample Name: J0WAXC Operator: HD
Run Time: 06/14/07 11:57:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.02	.5012	.4989	.4967	.5034	.0035	.4948
SDev	.04	.0004	.0014	.0010	.0001	.0014	.0011
%RSD	.0729	.0768	.2820	.2029	.0122	40.77	.2248
#1	52.05	.5015	.4979	.4974	.5034	.0025	.4940
#2	51.99	.5010	.4999	.4960	.5035	.0045	.4956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	57.50	.5750	.5750	.5750	.5750		.5750
Low	42.50	.4250	.4250	.4250	.4250		.4250

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5032	52.50	.5063	.5069	.5018	52.19	.5137
SDev	.0006	.03	.0005	.0002	.0006	.03	.0009
%RSD	.1226	.0560	.0956	.0451	.1156	.0560	.1684
#1	.5027	52.48	.5060	.5071	.5022	52.17	.5130
#2	.5036	52.52	.5067	.5068	.5013	52.21	.5143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5750	57.50	.5750	.5750	.5750	57.50	
Low	.4250	42.50	.4250	.4250	.4250	42.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5127	-74.63	52.23	.5141	.5038	.5151	11.67
SDev	.0012	.08	.03	.0001	.0055	.0004	.12
%RSD	.2257	.1050	.0661	.0266	1.084	.0874	1.065
#1	.5135	-74.57	52.20	.5142	.4999	.5154	11.76
#2	.5119	-74.68	52.25	.5140	.5077	.5148	11.59
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			57.50	.5750	.5750	.5750	
Low			42.50	.4250	.4250	.4250	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	53.83	.5063	.5075	L11.85	.0993	51.35	.5041
SDev	.17	.0004	.0035	.04	.0006	.11	.0009
%RSD	.3172	.0748	.6971	.3048	.6246	.2066	.1878
#1	53.95	.5060	.5050	L11.87	.0989	51.43	.5048
#2	53.71	.5066	.5100	L11.82	.0998	51.28	.5035
Errors	LC Pass	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass	NOCHECK
High	57.50			57.50	.1150	57.50	
Low	42.50			42.50	.0850	42.50	

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.01	-.0030	.5082	.5203	.5269	-.0016	.5115
SDev	.05	.0007	.0031	.0021	.0000	.0003	.0009
%RSD	.4397	22.49	.6178	.4120	.0028	16.48	.1699
#1	11.04	-.0035	.5104	.5219	.5269	-.0018	.5109
#2	10.97	-.0025	.5060	.5188	.5269	-.0014	.5121
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High			.5750	.5750	.5750		.5750
Low			.4250	.4250	.4250		.4250

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5265	.5130	.5071	6.667
SDev	.0001	.0005	.0025	.000
%RSD	.0197	.0955	.4921	.0005
#1	.5266	.5134	.5053	6.667
#2	.5264	.5127	.5089	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5750	.5750	.5750	
Low	.4250	.4250	.4250	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19325	--	--	--	--	--	--
SDev	46.24368	--	--	--	--	--	--
%RSD	.2392971	--	--	--	--	--	--
#1	19358	--	--	--	--	--	--
#2	19292	--	--	--	--	--	--

Analysis Report 06/14/07 12:11:07 PM page 1

Method: TRAA2 Sample Name: J0KF4 Operator: HD
Run Time: 06/14/07 12:06:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1252	.0004	.0001	.0079	.0000	.0015	.0613
SDev	.0057	.0024	.0009	.0001	.0001	.0019	.0012
%RSD	4.581	550.7	767.2	1.335	207.2	128.2	2.004
#1	.1211	-.0013	-.0005	.0078	-.0000	.0029	.0604
#2	.1292	.0021	.0007	.0080	.0001	.0001	.0621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	67.07	.0061	.0000	.3096	.1271	.0027
SDev	.0001	.09	.0001	.0002	.0008	.0194	.0019
%RSD	9.752	.1380	1.864	790.6	.2429	15.23	69.72
#1	.0011	67.13	.0061	.0002	.3101	.1134	.0040
#2	.0012	67.00	.0062	-.0001	.3091	.1408	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	-74.46	3.139	.0135	.0568	.0113	11.56
SDev	.0022	.47	.009	.0001	.0006	.0001	.03
%RSD	116.2	.6285	.2935	.8434	1.101	.8872	.2350
#1	.0003	-74.79	3.133	.0134	.0572	.0112	11.54
#2	.0035	-74.13	3.146	.0136	.0563	.0114	11.58
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.410	.0010	-.0017	7.159	.0001	127.8	.1472
SDev	.002	.0024	.0001	.035	.0002	.1	.0003
%RSD	.0685	242.1	5.849	.4869	134.9	.0719	.1739
#1	3.412	.0027	-.0017	7.183	.0002	127.8	.1470
#2	3.409	-.0007	-.0018	7.134	.0000	127.7	.1474
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	86.76	-.0012	.0037	.0009	.0043	.3135	.0009
SDev	.08	.0035	.0001	.0012	.0000	.0002	.0001
%RSD	.0945	298.1	3.686	129.0	.3228	.0691	9.112
#1	86.70	.0013	.0038	.0017	.0043	.3133	.0009
#2	86.82	-.0037	.0036	.0001	.0043	.3136	.0010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0732	.0022	-.0008	6.667
SDev	.0003	.0009	.0009	.000
%RSD	.3402	39.76	103.0	.0000
#1	.0730	.0016	-.0002	6.667
#2	.0734	.0028	-.0014	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19763	--	--	--	--	--	--
SDev	3.288323	--	--	--	--	--	--
%RSD	.0166391	--	--	--	--	--	--
#1	19765	--	--	--	--	--	--
#2	19760	--	--	--	--	--	--

Analysis Report 06/14/07 12:15:48 PM page 1

Method: TRAA2 Sample Name: SD 1:5 Operator: HD
Run Time: 06/14/07 12:11:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0268	-.0002	.0008	.0019	-.0000	.0004	.0118
SDev	.0005	.0014	.0009	.0001	.0000	.0022	.0002
%RSD	1.862	557.1	117.1	4.731	76.44	553.3	1.810
#1	.0264	-.0012	.0015	.0019	-.0000	.0019	.0117
#2	.0272	.0007	.0001	.0018	-.0001	-.0011	.0120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	13.82	.0013	.0004	.0623	.0220	.0007
SDev	.0002	.04	.0005	.0003	.0000	.0008	.0016
%RSD	142.6	.2626	39.37	82.76	.0392	3.715	245.5
#1	-.0000	13.84	.0009	.0002	.0622	.0226	-.0005
#2	.0003	13.79	.0016	.0006	.0623	.0214	.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	-74.03	.6380	.0026	.0116	.0023	2.379
SDev	.0026	.27	.0010	.0001	.0004	.0010	.001
%RSD	409.7	.3674	.1644	1.710	3.616	44.41	.0317
#1	.0025	-74.22	.6373	.0027	.0119	.0016	2.379
#2	-.0012	-73.83	.6388	.0026	.0113	.0031	2.378
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5197	.0008	-.0007	1.484	.0002	24.69	.0298
SDev	.0056	.0018	.0003	.005	.0004	.04	.0000
%RSD	1.071	234.1	49.94	.3295	228.1	.1537	.1350
#1	.5236	-.0005	-.0004	1.488	-.0001	24.67	.0298
#2	.5157	.0021	-.0009	1.481	.0004	24.72	.0297
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.12	-.0012	.0002	.0005	.0008	.0648	.0005
SDev	.02	.0020	.0013	.0003	.0003	.0001	.0002
%RSD	.1230	167.0	627.8	69.58	38.13	.2070	52.39
#1	18.13	.0002	-.0007	.0002	.0006	.0649	.0003
#2	18.10	-.0026	.0012	.0007	.0010	.0647	.0006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0147	.0006	-.0002	6.667
SDev	.0003	.0012	.0004	.000
%RSD	1.963	187.0	183.5	.0021
#1	.0149	.0015	-.0005	6.667
#2	.0145	-.0002	.0001	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19776	--	--	--	--	--	--
SDev	55.47197	--	--	--	--	--	--
%RSD	.2805025	--	--	--	--	--	--
#1	19737	--	--	--	--	--	--
#2	19815	--	--	--	--	--	--

Analysis Report 06/14/07 12:20:28 PM page 1

Method: TRAA2 Sample Name: AS 1:042 Operator: HD
Run Time: 06/14/07 12:15:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.51	.5040	.5008	.4891	.4989	.0028	.5607
SDev	.10	.0008	.0025	.0023	.0045	.0003	.0006
%RSD	.2033	.1631	.5019	.4727	.9012	11.14	.1093
#1	51.44	.5035	.5025	.4875	.5021	.0026	.5611
#2	51.59	.5046	.4990	.4908	.4957	.0030	.5603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5041	117.3	.5063	.5035	.7928	52.07	.5136
SDev	.0063	1.3	.0039	.0052	.0039	.41	.0088
%RSD	1.245	1.138	.7643	1.033	.4854	.7895	1.720
#1	.5085	118.2	.5090	.5072	.7901	52.36	.5199
#2	.4996	116.3	.5036	.4998	.7956	51.78	.5074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5151	-75.03	55.25	.5292	.5569	.5241	22.39
SDev	.0055	.22	.42	.0037	.0011	.0049	.13
%RSD	1.073	.2914	.7683	.6983	.1953	.9249	.6017
#1	.5190	-75.18	55.55	.5318	.5576	.5275	22.48
#2	.5112	-74.87	54.95	.5265	.5561	.5207	22.29
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	59.87	.5086	.5066	57.77	.0962	176.3	.6404
SDev	.40	.0004	.0037	.13	.0002	.7	.0020
%RSD	.6679	.0858	.7316	.2259	.2015	.3942	.3191
#1	59.59	.5083	.5092	57.86	.0963	175.8	.6389
#2	60.16	.5090	.5040	57.68	.0961	176.8	.6418
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/14/07 12:20:28 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.89	-.0059	.5124	.5160	.5261	.3012	.5076
SDev	.44	.0000	.0057	.0069	.0006	.0018	.0025
%RSD	.4666	.7664	1.123	1.340	.1155	.5812	.4920
#1	94.20	-.0058	.5165	.5209	.5265	.3024	.5094
#2	93.58	-.0059	.5083	.5111	.5257	.3000	.5058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.6013	.5146	.5073	6.667
SDev	.0113	.0066	.0023	.000
%RSD	1.878	1.286	.4612	.0016
#1	.6093	.5193	.5089	6.667
#2	.5933	.5100	.5056	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19703	--	--	--	--	--	--
SDev	134.1735	--	--	--	--	--	--
%RSD	.6809947	--	--	--	--	--	--
#1	19797	--	--	--	--	--	--
#2	19608	--	--	--	--	--	--

Analysis Report 06/14/07 12:25:09 PM page 1

Method: TRAA2 Sample Name: J0KF4S Operator: HD
Run Time: 06/14/07 12:20:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.30	.4976	.4959	.5012	.4940	-.0007	.4941
SDev	.06	.0062	.0019	.0003	.0020	.0014	.0005
%RSD	.1190	1.242	.3839	.0554	.4039	198.3	.1026
#1	52.25	.4933	.4946	.5010	.4926	-.0017	.4944
#2	52.34	.5020	.4973	.5014	.4954	.0003	.4937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4939	118.3	.5007	.4989	.8173	51.62	.5110
SDev	.0035	.6	.0014	.0018	.0010	.21	.0024
%RSD	.7105	.5072	.2725	.3503	.1259	.4022	.4661
#1	.4914	117.9	.4997	.4977	.8166	51.47	.5093
#2	.4964	118.8	.5017	.5002	.8181	51.76	.5127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5028	-74.94	55.08	.5234	.5529	.5202	22.75
SDev	.0033	.25	.21	.0022	.0066	.0028	.11
%RSD	.6623	.3337	.3899	.4283	1.189	.5299	.4730
#1	.5005	-74.76	54.93	.5218	.5483	.5182	22.68
#2	.5052	-75.11	55.23	.5249	.5576	.5221	22.83
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	62.01	.4832	.4800	8.582	.0995	185.6	.6501
SDev	.01	.0021	.0012	.016	.0007	.0	.0009
%RSD	.0213	.4381	.2488	.1847	.7096	.0216	.1452
#1	62.02	.4847	.4791	8.571	.0990	185.5	.6494
#2	62.00	.4817	.4808	8.593	.1000	185.6	.6508
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	98.12	-.0058	.5066	.5097	.5253	.3076	.5055
SDev	.31	.0006	.0050	.0029	.0015	.0034	.0015
%RSD	.3188	10.79	.9948	.5743	.2842	1.120	.2892
#1	97.90	-.0054	.5031	.5077	.5242	.3052	.5045
#2	98.34	-.0062	.5102	.5118	.5263	.3100	.5066
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5844	.5055	.4810	6.667
SDev	.0026	.0030	.0001	.000
%RSD	.4393	.5969	.0212	.0050
#1	.5826	.5034	.4810	6.667
#2	.5862	.5077	.4811	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19093	--	--	--	--	--	--
SDev	109.7783	--	--	--	--	--	--
%RSD	.5749716	--	--	--	--	--	--
#1	19170	--	--	--	--	--	--
#2	19015	--	--	--	--	--	--

Analysis Report 06/14/07 12:29:50 PM page 1

Method: TRAA2 Sample Name: J0KF4D Operator: HD
Run Time: 06/14/07 12:25:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.71	.4921	.4851	.5030	.4854	.0013	.5155
SDev	.02	.0027	.0008	.0006	.0007	.0027	.0017
%RSD	.0315	.5544	.1759	.1206	.1360	209.4	.3362
#1	51.72	.4940	.4857	.5034	.4859	.0032	.5142
#2	51.70	.4902	.4845	.5025	.4849	-.0006	.5167
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4776	114.2	.4898	.4882	.8219	50.46	.4947
SDev	.0014	.3	.0013	.0014	.0003	.05	.0009
%RSD	.2917	.2546	.2637	.2966	.0361	.1054	.1883
#1	.4786	114.4	.4907	.4892	.8217	50.50	.4940
#2	.4766	114.0	.4888	.4872	.8222	50.42	.4953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4910	-75.08	53.68	.5131	.5564	.5068	22.31
SDev	.0021	.32	.08	.0011	.0024	.0006	.02
%RSD	.4300	.4303	.1549	.2135	.4278	.1256	.0963
#1	.4895	-75.31	53.74	.5138	.5547	.5072	22.29
#2	.4925	-74.85	53.63	.5123	.5581	.5063	22.32
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	60.73	.4800	.4777	9.920	.0993	183.2	.6453
SDev	.07	.0019	.0030	.004	.0001	.2	.0001
%RSD	.1107	.3955	.6283	.0435	.0790	.1300	.0217
#1	60.78	.4787	.4756	9.917	.0993	183.3	.6454
#2	60.68	.4814	.4798	9.923	.0994	183.0	.6452
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	95.25	-.0041	.4950	.4937	.5204	.3654	.4981
SDev	.02	.0003	.0023	.0008	.0008	.0003	.0007
%RSD	.0243	8.049	.4642	.1646	.1626	.0872	.1363
#1	95.26	-.0038	.4934	.4943	.5210	.3652	.4985
#2	95.23	-.0043	.4966	.4931	.5198	.3657	.4976
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.5594	.4922	.4785	6.667
SDev	.0041	.0017	.0026	.000
%RSD	.7288	.3499	.5512	.0034
#1	.5623	.4910	.4766	6.667
#2	.5565	.4935	.4803	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18688	--	--	--	--	--	--
SDev	7.319660	--	--	--	--	--	--
%RSD	.0391684	--	--	--	--	--	--
#1	18693	--	--	--	--	--	--
#2	18682	--	--	--	--	--	--

Analysis Report 06/14/07 12:43:54 PM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/14/07 12:39:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.79	.5111	.5187	.4924	.5216	.4958	.5056
SDev	.01	.0007	.0002	.0002	.0004	.0000	.0004
%RSD	.0116	.1401	.0353	.0412	.0695	.0065	.0803
#1	49.79	.5106	.5188	.4923	.5213	.4957	.5059
#2	49.80	.5116	.5186	.4926	.5218	.4958	.5053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.5289	H53.28	.5207	.5195	.4916	52.10	.5256
SDev	.0000	.06	.0010	.0007	.0010	.06	.0001
%RSD	.0022	.1076	.1875	.1414	.1997	.1224	.0287
#1	H.5290	H53.24	.5200	.5190	.4923	52.05	.5257
#2	H.5289	H53.32	.5214	.5200	.4910	52.14	.5255
Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5207	-74.15	51.07	.5178	.5169	.5221	-.0114
SDev	.0013	.17	.05	.0006	.0027	.0011	.0008
%RSD	.2517	.2353	.1004	.1240	.5155	.2195	7.170
#1	.5198	-74.03	51.04	.5174	.5150	.5213	-.0108
#2	.5216	-74.28	51.11	.5183	.5188	.5229	-.0120
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L47.25	.5153	.5158	.0552	.5027	48.70	.4961
SDev	.04	.0041	.0004	.0139	.0005	.11	.0001
%RSD	.0857	.7870	.0863	25.11	.0937	.2299	.0199
#1	L47.28	.5182	.5161	.0650	.5030	48.78	.4960
#2	L47.22	.5124	.5154	.0454	.5024	48.62	.4962
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.47	.5146	.5168	.5221	.0003	-.0006	.5140
SDev	.08	.0015	.0052	.0034	.0002	.0005	.0014
%RSD	.1570	.2872	1.012	.6428	66.17	80.61	.2684
#1	52.53	.5157	.5131	.5198	.0002	-.0009	.5130
#2	52.41	.5136	.5205	.5245	.0005	-.0003	.5149
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	H.5356	.5223	.5156	6.667
SDev	.0015	.0008	.0016	.000
%RSD	.2795	.1586	.3174	.0016
#1	H.5345	.5217	.5168	6.667
#2	H.5367	.5229	.5145	6.667
Errors	LC High	LC Pass	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19645	--	--	--	--	--	--
SDev	29.48580	--	--	--	--	--	--
%RSD	.1500928	--	--	--	--	--	--
#1	19624	--	--	--	--	--	--
#2	19666	--	--	--	--	--	--

Analysis Report 06/14/07 12:48:41 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/14/07 12:44:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0120	.0015	-.0001	-.0000	-.0002	-.0034	-.0003
SDev	.0038	.0023	.0007	.0000	.0000	.0024	.0003
%RSD	31.96	156.0	636.4	30.95	8.349	70.90	104.8
#1	.0147	.0031	-.0006	-.0000	-.0002	-.0017	-.0005
#2	.0093	-.0002	.0004	-.0000	-.0002	-.0051	-.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0258	.0001	.0005	-.0009	.0061	.0008
SDev	.0000	.0073	.0001	.0002	.0004	.0007	.0024
%RSD	3.697	28.15	156.2	50.45	50.26	11.96	287.4
#1	.0002	.0309	.0001	.0003	-.0006	.0056	.0025
#2	.0002	.0207	-.0000	.0007	-.0012	.0067	-.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-74.41	.0063	-.0000	.0004	.0001	-.0123
SDev	.0006	.87	.0011	.0000	.0009	.0002	.0022
%RSD	88.51	1.169	17.41	115.3	207.4	202.7	17.76
#1	-.0011	-75.02	.0071	-.0000	.0011	-.0000	-.0139
#2	-.0003	-73.79	.0056	-.0001	-.0002	.0002	-.0108
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0171	.0011	.0000	.0136	.0002	.0449	.0001
SDev	.0005	.0015	.0008	.0020	.0003	.0574	.0000
%RSD	2.963	139.3	6124.	14.56	121.6	127.7	10.90
#1	-.0175	.0000	.0006	.0150	.0004	.0855	.0001
#2	-.0168	.0021	-.0006	.0122	.0000	.0043	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0556	-.0001	-.0030	.0013	-.0000	.0000	.0004
SDev	.0045	.0031	.0023	.0019	.0001	.0004	.0003
%RSD	8.017	2722.	76.97	141.6	245.5	4331.	71.30
#1	.0588	-.0023	-.0047	.0026	.0000	-.0003	.0005
#2	.0525	.0021	-.0014	-.0000	-.0001	.0003	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0005	-.0002	.0004	6.667
SDev	.0001	.0004	.0001	.000
%RSD	13.33	220.8	18.04	.0006
#1	-.0005	.0001	.0004	6.667
#2	-.0004	-.0005	.0003	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19428	--	--	--	--	--	--
SDev	137.0378	--	--	--	--	--	--
%RSD	.7053571	--	--	--	--	--	--
#1	19331	--	--	--	--	--	--
#2	19525	--	--	--	--	--	--

Analysis Report 06/14/07 01:12:51 PM page 1

Method: TRAA2 Sample Name: J0DTG Operator: HD
Run Time: 06/14/07 13:08:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0647	.0008	.0058	.1326	-.0005	-.0027	1.434
SDev	.0009	.0011	.0002	.0001	.0000	.0012	.001
%RSD	1.416	139.8	2.753	.0528	2.900	45.68	.1012
#1	.0653	.0016	.0059	.1326	-.0005	-.0036	1.433
#2	.0640	.0000	.0057	.1325	-.0005	-.0018	1.435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	456.4	.0008	.0184	-.0012	11.91	.0072
SDev	.0001	.1	.0002	.0001	.0001	.01	.0025
%RSD	39.55	.0224	27.33	.6534	8.012	.0871	34.76
#1	.0002	456.5	.0009	.0184	-.0013	11.92	.0090
#2	.0001	456.4	.0006	.0183	-.0012	11.90	.0055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-71.03	H2007.	11.02	.0160	.0167	.0492
SDev	.0014	.32	3.	.00	.0006	.0008	.0020
%RSD	46.37	.4572	.1332	.0298	3.590	4.724	4.087
#1	-.0040	-70.80	H2009.	11.02	.0164	.0173	.0506
#2	-.0020	-71.26	H2005.	11.02	.0156	.0162	.0478
Errors	NOCHECK	NOCHECK	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	255.4	.0059	-.0087	4.933	.0021	H2973.	H11.64
SDev	.2	.0040	.0021	.187	.0004	1	.00
%RSD	.0747	67.94	23.74	3.797	18.08	.0259	.0268
#1	255.5	.0088	-.0102	4.801	.0023	H2974.	H11.64
#2	255.2	.0031	-.0072	5.065	.0018	H2973.	H11.64
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC High
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

B only

Check IEC
6/14/07

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H495.4	-.0080	.0230	.0029	-.0004	.0002	.0011
SDev	.0	.0030	.0017	.0006	.0004	.0018	.0001
%RSD	.0068	37.84	7.438	22.08	110.8	1154.	9.238
#1	H495.4	-.0058	.0218	.0034	-.0001	.0014	.0012
#2	H495.5	-.0101	.0242	.0025	-.0007	-.0011	.0010
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0081	.0004	-.0039	6.667
SDev	.0002	.0001	.0001	.000
%RSD	2.452	26.29	1.384	.0027
#1	.0083	.0003	-.0039	6.667
#2	.0080	.0005	-.0038	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	15860	--	--	--	--	--	--
SDev	2.121320	--	--	--	--	--	--
%RSD	.0133751	--	--	--	--	--	--
#1	15859	--	--	--	--	--	--
#2	15862	--	--	--	--	--	--

Analysis Report 06/14/07 01:17:32 PM page 1

Method: TRAA2 Sample Name: J0DTN Operator: HD
Run Time: 06/14/07 13:12:54
Comment:
Mode: CONC Corr. Factor: 1

B only

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4473	.0008	.0189	.1241	-.0003	.0059	3.176
SDev	.0013	.0006	.0008	.0002	.0000	.0047	.006
%RSD	.2873	78.68	4.427	.1925	8.201	79.62	.1749
#1	.4482	.0012	.0183	.1243	-.0003	.0026	3.180
#2	.4464	.0003	.0195	.1239	-.0003	.0092	3.172
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	800.0	40.00	20.00	20.00	10.00	25.00	80.00
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.1000	-.3000

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	H862.7	.0028	.0128	.0002	102.0	.0282
SDev	.0000	1.6	.0002	.0000	.0001	.1	.0011
%RSD	.8002	.1808	5.777	.1397	70.41	.0822	3.917
#1	.0023	H861.6	.0030	.0128	.0003	102.0	.0274
#2	.0023	H863.8	.0027	.0128	.0001	102.1	.0290
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	25.00	800.0	100.0	80.00	80.00	1500.	
Low	-.0010	-.2000	-.0010	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0157	-72.82	H1446.	18.99	.0006	.0178	1.298
SDev	.0032	.02	1.	.01	.0004	.0002	.001
%RSD	20.11	.0213	.0371	.0729	71.20	1.274	.0495
#1	-.0135	-72.81	H1446.	18.98	.0003	.0180	1.298
#2	-.0180	-72.83	H1446.	19.00	.0009	.0176	1.299
Errors	NOCHECK	NOCHECK	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High			500.0	20.00	20.00	80.00	100.0
Low			-.3000	-.0500	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H443.7	.0107	-.0135	14.37	.0025	H2439.	H10.96
SDev	3.1	.0022	.0021	.39	.0003	6.	.02
%RSD	.6931	20.22	15.91	2.747	12.58	.2416	.1608
#1	H445.9	.0092	-.0150	14.09	.0027	H2444	H10.97
#2	H441.5	.0122	-.0120	14.65	.0023	H2435.	H10.95
Errors	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass	LC High	LC High
High	300.0			400.0	10.00	500.0	10.00
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	300.8	-.0051	.0153	.0177	.0042	.0005	-.0022
SDev	.2	.0009	.0055	.0002	.0001	.0008	.0001
%RSD	.0760	17.89	35.56	1.183	3.450	166.4	4.977
#1	300.7	-.0057	.0115	.0178	.0043	-.0001	-.0023
#2	301.0	-.0044	.0192	.0175	.0041	.0011	-.0021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	400.0	20.00	100.0	20.00	20.00	20.00	100.0
Low	-5.000	-.2000	-.0050	-.3000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	.0243	-.0012	L-.0055	6.667
SDev	.0009	.0018	.0021	.000
%RSD	3.721	141.8	39.03	.0000
#1	.0250	.0000	L-.0070	6.667
#2	.0237	-.0025	-.0040	6.667
Errors	LC Pass	LC Pass	LC Low	NOCHECK
High	10.00	100.0	25.00	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	16986	--	--	--	--	--	--
SDev	52.07869	--	--	--	--	--	--
%RSD	.3065937	--	--	--	--	--	--
#1	16949	--	--	--	--	--	--
#2	17023	--	--	--	--	--	--

Analysis Report 06/14/07 01:32:34 PM page 1

Method: TRAA2 Sample Name: CCV2 Operator: HD
Run Time: 06/14/07 13:27:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.71	.5145	.5177	.4897	.5237	.4947	.5046
SDev	.01	.0009	.0005	.0003	.0005	.0008	.0007
%RSD	.0169	.1734	.0943	.0624	.0885	.1672	.1447
#1	49.70	.5151	.5174	.4895	.5240	.4953	.5051
#2	49.71	.5138	.5180	.4899	.5234	.4941	.5041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK
High	52.50	.5250	.5250	.5250	.5250		
Low	47.50	.4750	.4750	.4750	.4750		

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.5339	H53.77	.5223	.5170	.4909	52.44	.5266
SDev	.0011	.13	.0010	.0012	.0005	.06	.0033
%RSD	.2126	.2388	.1881	.2248	.1070	.1062	.6284
#1	H.5347	H53.86	.5230	.5179	.4905	52.48	.5289
#2	H.5331	H53.68	.5216	.5162	.4913	52.40	.5242
Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.5250	52.50	.5250	.5250	.5250	52.50	
Low	.4750	47.50	.4750	.4750	.4750	47.50	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5296	-74.46	50.86	.5197	.5232	.5238	-.0111
SDev	.0019	.12	.08	.0003	.0000	.0005	.0016
%RSD	.3669	.1634	.1634	.0592	.0028	.0872	14.48
#1	.5310	-74.38	50.92	.5199	.5232	.5242	-.0099
#2	.5282	-74.55	50.80	.5195	.5232	.5235	-.0122
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			52.50	.5250	.5250	.5250	
Low			47.50	.4750	.4750	.4750	

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L46.98	.5116	.5167	.0275	.5037	47.89	.4929
SDev	.02	.0015	.0036	.0019	.0000	.05	.0004
%RSD	.0350	.2855	.6962	6.985	.0075	.1115	.0877
#1	L46.97	.5127	.5192	.0289	.5037	47.86	.4926
#2	L46.99	.5106	.5141	.0262	.5036	47.93	.4932
Errors	LC Low	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	52.50				.5250	52.50	.5250
Low	47.50				.4750	47.50	.4750

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Analysis Report 06/14/07 01:32:34 PM page 2

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.56	.5122	.5186	.5182	.0002	-.0008	.5169
SDev	.03	.0020	.0055	.0021	.0001	.0018	.0002
%RSD	.0613	.3963	1.054	.4036	68.66	229.9	.0347
#1	52.53	.5107	.5225	.5197	.0002	-.0020	.5170
#2	52.58	.5136	.5148	.5167	.0001	.0005	.5167
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High			.5250	.5250			.5250
Low			.4750	.4750			.4750

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	H.5378	H.5286	.5150	6.667
SDev	.0019	.0024	.0029	.000
%RSD	.3520	.4529	.5616	.0005
#1	H.5391	H.5303	.5171	6.667
#2	H.5364	H.5269	.5130	6.667
Errors	LC High	LC High	LC Pass	NOCHECK
High	.5250	.5250	.5250	
Low	.4750	.4750	.4750	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19937	--	--	--	--	--	--
SDev	28.74417	--	--	--	--	--	--
%RSD	.1441748	--	--	--	--	--	--
#1	19917	--	--	--	--	--	--
#2	19957	--	--	--	--	--	--

Analysis Report 06/14/07 01:37:21 PM page 1

Method: TRAA2 Sample Name: CCB Operator: HD
Run Time: 06/14/07 13:32:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Bi2230	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0327	-.0014	.0000	.0007	-.0001	-.0018	-.0004
SDev	.0057	.0005	.0000	.0001	.0001	.0018	.0014
%RSD	17.55	33.96	32.97	7.280	42.56	104.7	371.9
#1	.0367	-.0018	.0000	.0008	-.0001	-.0005	-.0014
#2	.0286	-.0011	.0000	.0007	-.0002	-.0030	.0006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.2000	.0050	.0040	.0100	.0020	.0600	.0600
Low	-.2000	-.0050	-.0040	-.0100	-.0020	-.0600	-.0600

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0453	.0003	.0006	-.0027	.0144	.0022
SDev	.0001	.0076	.0001	.0001	.0002	.0051	.0006
%RSD	166.5	16.88	32.32	8.271	7.716	35.53	27.97
#1	.0001	.0507	.0002	.0005	-.0028	.0107	.0027
#2	-.0000	.0399	.0004	.0006	-.0025	.0180	.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0010	.2000	.0050	.0100	.0200	.0500	
Low	-.0010	-.2000	-.0050	-.0100	-.0200	-.0500	

Elem	Pb/2	Li6707	Mg2790	Mn2576	Mo2020	Ni2316	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	-74.75	.0359	.0000	.0003	.0003	-.0133
SDev	.0007	.69	.0043	.0001	.0003	.0003	.0007
%RSD	76.41	.9164	11.89	201.2	82.25	128.6	5.033
#1	-.0013	-75.23	.0390	.0001	.0001	.0000	-.0129
#2	-.0004	-74.27	.0329	-.0000	.0005	.0005	-.0138
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.3000	.0100	.0500	.0030	.3000
Low			-.3000	-.0100	-.0500	-.0030	-.3000

Elem	K_7664	Se/1	Se/2	Si2881	Ag3280	Na3302	Sr4215
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0465	-.0007	.0002	.0059	.0005	.0430	.0001
SDev	.0032	.0017	.0006	.0009	.0001	.0181	.0000
%RSD	6.810	244.9	301.3	15.73	13.83	42.11	3.194
#1	.0488	.0005	.0006	.0052	.0005	.0302	.0001
#2	.0443	-.0019	-.0002	.0065	.0006	.0558	.0001
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000			1.000	.0020	.3000	.0030
Low	-3.000			-1.000	-.0020	-.3000	-.0030

Elem	S_1820	Te2142	Tl1908	Sn1899	Ti3372	W_2079	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0284	-.0015	-.0018	.0018	-.0000	-.0005	.0005
SDev	.0011	.0000	.0015	.0012	.0001	.0016	.0002
%RSD	3.911	.4906	83.94	67.99	695.1	313.9	31.25
#1	.0291	-.0015	-.0007	.0009	-.0001	-.0016	.0006
#2	.0276	-.0015	-.0029	.0027	.0001	.0006	.0004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	.2000	.0050	.6000	.0500	.1000	.0200
Low	-5.000	-.2000	-.0050	-.6000	-.0500	-.1000	-.0200

Elem	Zn2062	Pb2203	Se1960	Y_3710
Units	ppm	ppm	ppm	ppm
Avge	-.0003	.0002	-.0001	6.667
SDev	.0002	.0002	.0010	.000
%RSD	68.00	150.0	939.9	.0016
#1	-.0005	-.0000	.0006	6.667
#2	-.0002	.0003	-.0008	6.667
Errors	LC Pass	LC Pass	LC Pass	NOCHECK
High	.0200	.0030	.0050	
Low	-.0200	-.0030	-.0050	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20178	--	--	--	--	--	--
SDev	18.13757	--	--	--	--	--	--
%RSD	.0898888	--	--	--	--	--	--
#1	20191	--	--	--	--	--	--
#2	20165	--	--	--	--	--	--

SUPPORTING DOCUMENTATION DESCRIPTION PAGE

QC & Sample Data

Calibration Data

Method: 7470A Mercury

Associated Samples: 1-2

Batch Number: 7165432

QC & Sample Data

STL

STL Austin

DATA REVIEW CHECKLIST
Cold Vapor Atomic Absorption Method for Mercury Analyses

Run/Project Information:

Circle Method Used: 245.1 / 7470A : AUS-MT-0005 245.5 / 7471A : AUS-MT-0007

Other SOP: _____

Analyst: [illegible] Run Date: 6/15/07 Instrument: E2

Prep Batches: 7165432, 7165435, 7165441

HBN: _____

Review Items:

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV analyzed at appropriate frequency and within control limits? (90-110%)	✓			✓
3. CCV analyzed at appropriate frequency and within control limits? (245.1/245.5 = 90-110%, 7470A/7471A = 80-120%)	✓			✓
4. ICB/CCB analyzed at appropriate frequency and within +/– PQL or +/– RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < PQL or RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. All unused analyses noted on the sequence with the reason	✓			✓
4. Calculations and transcriptions checked for error?	✓			✓
5. All client/project specific requirements met?	✓			✓
6. Date/time of analysis verified as correct?	✓			✓

Analyst: [illegible] Date: 6/15/07

Comments:

2nd Level Reviewer: [illegible] Date: 6/18/07

Comments:

RunProt: WATERS | Err: Analyzer needs maintenance

RunFold: HG70615B Seq: 6 Batch:

Prnt: R/T On Pump: On

Rev: 4.2 11:21:04 15 Jun 2007 Xmit: Off Gas: 1.00 LPM

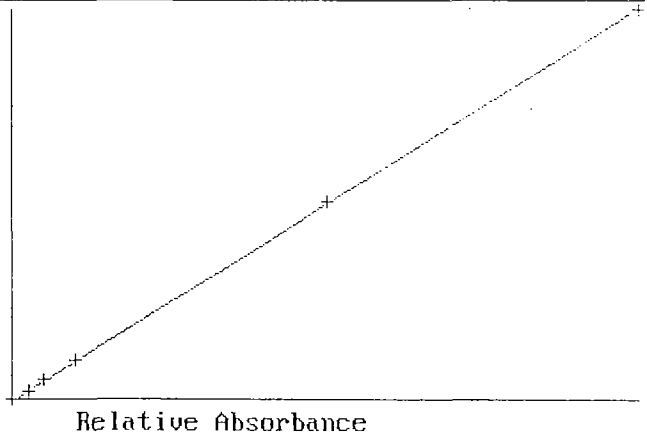
State: Idle User: SFP A/S: On

CALIBRATION: Line proto: WATERS

	Hg Conc.	Calc.	Dev.	Accepted liNear	
S1	.0000	-.0312	-.0312	->quadratic	
S2	.2000	.2535	.0535	Wtdlinear	
S3	.5000	.4766	-.0234		C
S4	1.000	1.003	.0031	Accept	o
S5	5.000	4.997	-.0026		n
S6	10.00	10.00	.0007		c

A 2.2799e-12 r .999973

B 2.49065e-5 C -3.13185e-2



	Mean				Relative Absorbance
S1	5	0	SD	5	11554?
S2	11422	0	%RSD	11422	37089?
S3	20356	0	%RSD	20356	
S4	41374	0	%RSD	41374	
S5	198303	0	%RSD	198303	
S6	388938	0	%RSD	388938	

New cal coefficients stored

6/15/07

MERCURY SAMPLE DIGESTION BENCH SHEET

DIGESTION INFORMATION

Analyst [illegible] Date 6/14/07

Water Bath Temp 94 °C Autoclave Temp ____ °C Pressure ____ psi

Thermometer ID 7607 Recal due: 11/07 Thermometer ID 4277 Recal due: 11/07

Digestion Start Time 1700 Balance ID ____

Stop Time 1900

SOP ✓ AUS-MT-0005, current revision, SW846 7470A & MCAWW 245.1

____ AUS-MT-0007, current revision, SW846 7471A & MCAWW 245.5

____ Other: ____

Sample	Wet Weight (g)	Aq. Vol. (mL)	Final Vol. (mL)	Comments
J02Q0B	NA	10	10	B# 7165432
C				
J0C5E				
S				
D				
J0QDC		0.2		50X
J0CC3		10		
DK				
J0A4E				
5A				
J0DTG				
TN				
J02Q8B				B# 7165435
C				
JX7K0				
K6				
S				
D				
J0ET1				
J02RGB				B# 7165441

Comments:

MERCURY SAMPLE DIGESTION BENCH SHEET

REAGENT INFORMATION

Digestion Reagent	STD. LOG #	Digestion Reagent	STD. LOG #
Sulfuric Acid	H2SO4-00001	Potassium Permanganate	07MET0252
Nitric Acid	HNO3-00002	Potassium Persulfate	0250
Hydrochloric Acid	HCL-00004	Stannous Chloride	0290
Sodium Chloride	02MET1193	Hydroxylamine Hydrochloride	0254

STANDARD INFORMATION

Standard	STD. LOG #	Standard	STD. LOG #	Standard	STD. LOD #
Blank (0µg/L)	--------	Std. 3 (1.0µg/L)	1.0mL 07MET0289	Calibration Std.	07MET0289
Std. 1 (0.2µg/L)	0.2mL 07MET0289	Std. 4/CCV (5.0µg/L)	5.0mL	QC Std.	07MET0288
Std. 2 (0.5µg/L)	0.5mL	Std. 5 (10µg/L)	10.0mL	ICV (2.0µg/L)	0.2mL

Water curve based on 10mL sample → 10mL final volume. Curve for solids based on 0.6g sample → 50mL final volume. All standards and QC samples are digested.

SPIKING INFORMATION

QC	Amount	Conc.	STD. LOG #	Spiker
LCS/LCSD	0.5 mL of	100ppb	07MET0287	[illegible]
MS/MSD	0.2 mL of	↓	↓	↓
DCS	— mL of	—	—	—

Sample #	Wet Weight (g)	Aq. Volume (mL)	Final Volume (mL)	Comments
J02RGC	NA	10	10	
J0QW6	↓	↓	↓	
↓ ↓ S	↓	↓	↓	
↓ ↓ D	↓	↓	↓	
J0XHV	↓	↓	↓	
		[illegible] 6/14/07		

Comments:

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: [illegible] 6/15/07

DAILY CHECK & MAINTENANCE	
Clean Lens ✓	Check Argon Flow ✓
Aperture ✓	Check Tubing ✓
Replace Drying Tube ✓	Check Drain ✓
OTHER MAINTENANCE / COMMENTS:	

SOP ✓ AUS-MT-0005, current revision, SW846 7470A & MCAWW 245.1
____ AUS-MT-0007, current revision, SW846 7471A & MCAWW 245.5
____ Other:_____

Water curve based on 10 mL sample → 10 mL final volume; curve for solids based on 0.60 g sample → 50 mL final volume; standards (except analytical spike) are digested.

See Mercury Digestion Logbook for reagents and the standards, samples, & QC digestion information.

LEEMAN PS 200II: CVAA-E2 ANALYST / DATE: [illegible] 6/15/07

FILENAME #: HG70615B PS 200II CLOCK DATE/TIME: 6/15/07 1110

SAMPLE ID	COMMENTS	SAMPLE ID	COMMENTS
Calibrate Std	1-6 ; 0-10ppb	J0QW6S	
ICV	CK3 CHK2	↓ ↓ D	
CCV	CK2 CHK4	J0XHV	
ICB	CK1 CHK1	CCV/CCB	same
J02Q0B			
↓ C			
J0C5E	PATENT		
↓ S			
↓ D			
J0QDC	50X at digestion		
J0CC3			
↓ DK			
J0A4E			
↓ 5A			
CCV	CK2 CHK4		
CCB	CK1 CHK1		[illegible] 6/15/07
J0DTG			
↓ TN			
J02Q8B			
↓ C			
JX7K0			
K6			
↓ S			
↓ D			
J0ET1			
J02RGB			
CCV/CCB	same		
J02RGC			
J0QW6			

Folder: HG70615B Page 1
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 11:13:02 15 Jun 2007 HG

Hg .0000 ug/L 5

*** Standard: 2 Rep: 1 Seq: 1 11:14:30 15 Jun 2007 HG

Hg .2000 ug/L 11422

*** Standard: 3 Rep: 1 Seq: 2 11:15:49 15 Jun 2007 HG

Hg .5000 ug/L 20356

*** Standard: 4 Rep: 1 Seq: 3 11:17:11 15 Jun 2007 HG

Hg 1.000 ug/L 41374

*** Standard: 5 Rep: 1 Seq: 4 11:18:43 15 Jun 2007 HG

Hg 5.000 ug/L 198303

*** Standard: 6 Rep: 1 Seq: 5 11:20:04 15 Jun 2007 HG

Hg 10.00 ug/L 388938

*** Check Standard: 3 Ck3Chk2 Seq: 6 11:22:31 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.22	1.884	2.000	ug/L	.0000

*** Check Standard: 2 Ck2Chk4 Seq: 7 11:23:57 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.04	4.952	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 8 11:25:37 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0046	.2000	ug/L	.0000

*** Sample ID: J02Q0B Seq: 9 11:27:07 15 Jun 2007 HG

Hg .0036 L ug/L .0000 .0036

*** Sample ID: J02Q0C Seq: 10 11:28:23 15 Jun 2007 HG

Hg 5.064 ug/L .0000 5.064

*** Sample ID: J0C5E Seq: 11 11:29:36 15 Jun 2007 HG

Hg -.0071 L ug/L .0000 -.0071

Folder: HG70615B Page 2
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J0C5ES Seq: 12 11:30:49 15 Jun 2007 HG

Hg 1.974 ug/L .0000 1.974

*** Sample ID: J0C5ED Seq: 13 11:32:12 15 Jun 2007 HG

Hg 1.963 ug/L .0000 1.963

*** Sample ID: J0QDC 50X @ prep, FLG & HT [illegible] 6/18/07 Seq: 14 11:33:31 15 Jun 2007 HG

Hg .0948 L ug/L .0000 .0948

*** Sample ID: J0CC3 Seq: 15 11:34:46 15 Jun 2007 HG

Hg .0608 L ug/L .0000 .0608

*** Sample ID: J0CDK Seq: 16 11:36:03 15 Jun 2007 HG

Hg .0167 L ug/L .0000 .0167

*** Sample ID: J0A4E Seq: 17 11:37:47 15 Jun 2007 HG

Hg .0014 L ug/L .0000 .0014

*** Sample ID: J0A5A Seq: 18 11:39:11 15 Jun 2007 HG

Hg -.0088 L ug/L .0000 -.0088

*** Check Standard: 2 Ck2Chk4 Seq: 19 11:40:26 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.2	5.011	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 20 11:41:52 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0101	.2000	ug/L	.0000

*** Sample ID: J0DTG Seq: 21 11:43:09 15 Jun 2007 HG

Hg .0058 L ug/L .0000 .0058

*** Sample ID: J0DTN Seq: 22 11:44:24 15 Jun 2007 HG

Hg .1045 L ug/L .0000 .1045

*** Sample ID: J02Q8B Seq: 23 11:45:36 15 Jun 2007 HG

Hg .0438 L ug/L .0000 .0438

Folder: HG70615B Page 3
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J02Q8C Seq: 24 11:47:00 15 Jun 2007 HG

Hg 5.104 ug/L .0000 5.104

*** Sample ID: JX7K0 Seq: 25 11:48:17 15 Jun 2007 HG

Hg .0488 L ug/L .0000 .0488

*** Sample ID: JX7K6 Seq: 26 11:49:36 15 Jun 2007 HG

Hg .0447 L ug/L .0000 .0447

*** Sample ID: JX7K6S Seq: 27 11:50:59 15 Jun 2007 HG

Hg 1.985 ug/L .0000 1.985

*** Sample ID: JX7K6D Seq: 28 11:52:32 15 Jun 2007 HG

Hg 2.032 ug/L .0000 2.032

*** Sample ID: J0ET1 Seq: 29 11:53:46 15 Jun 2007 HG

Hg .0459 L ug/L .0000 .0459

*** Sample ID: J02RGB Seq: 30 11:55:03 15 Jun 2007 HG

Hg .0507 L ug/L .0000 .0507

*** Check Standard: 2 Ck2Chk4 Seq: 31 11:56:30 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.4	5.018	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 32 11:58:07 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0206	.2000	ug/L	.0000

*** Sample ID: J02RGC Seq: 33 11:59:24 15 Jun 2007 HG

Hg 5.135 ug/L .0000 5.135

*** Sample ID: J0QW6 Seq: 34 12:00:53 15 Jun 2007 HG

Hg .0868 L ug/L .0000 .0868

*** Sample ID: J0QW6S Seq: 35 12:02:26 15 Jun 2007 HG

Hg 2.078 ug/L .0000 2.078

Folder: HG70615B Page 4
12:08:43 15 Jun 2007 Protocol: WATERS
POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: J0QW6D Seq: 36 12:03:40 15 Jun 2007 HG

Hg	2.033	ug/L	.0000	2.033

*** Sample ID: J0XHV Seq: 37 12:04:54 15 Jun 2007 HG

Hg	.0623 L	ug/L	.0000	.0623

*** Check Standard: 2 Ck2Chk4 Seq: 38 12:06:09 15 Jun 2007 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.048	5.000	ug/L	.0000

*** Check Standard: 1 Ck1Chk1 Seq: 39 12:07:35 15 Jun 2007 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0415	.2000	ug/L	.0000