Appendix M
Chemical Analysis Data
Volume 5 of 9

CASE: 38525

SDG: EAQQ1

5 of 9

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Page 20

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0

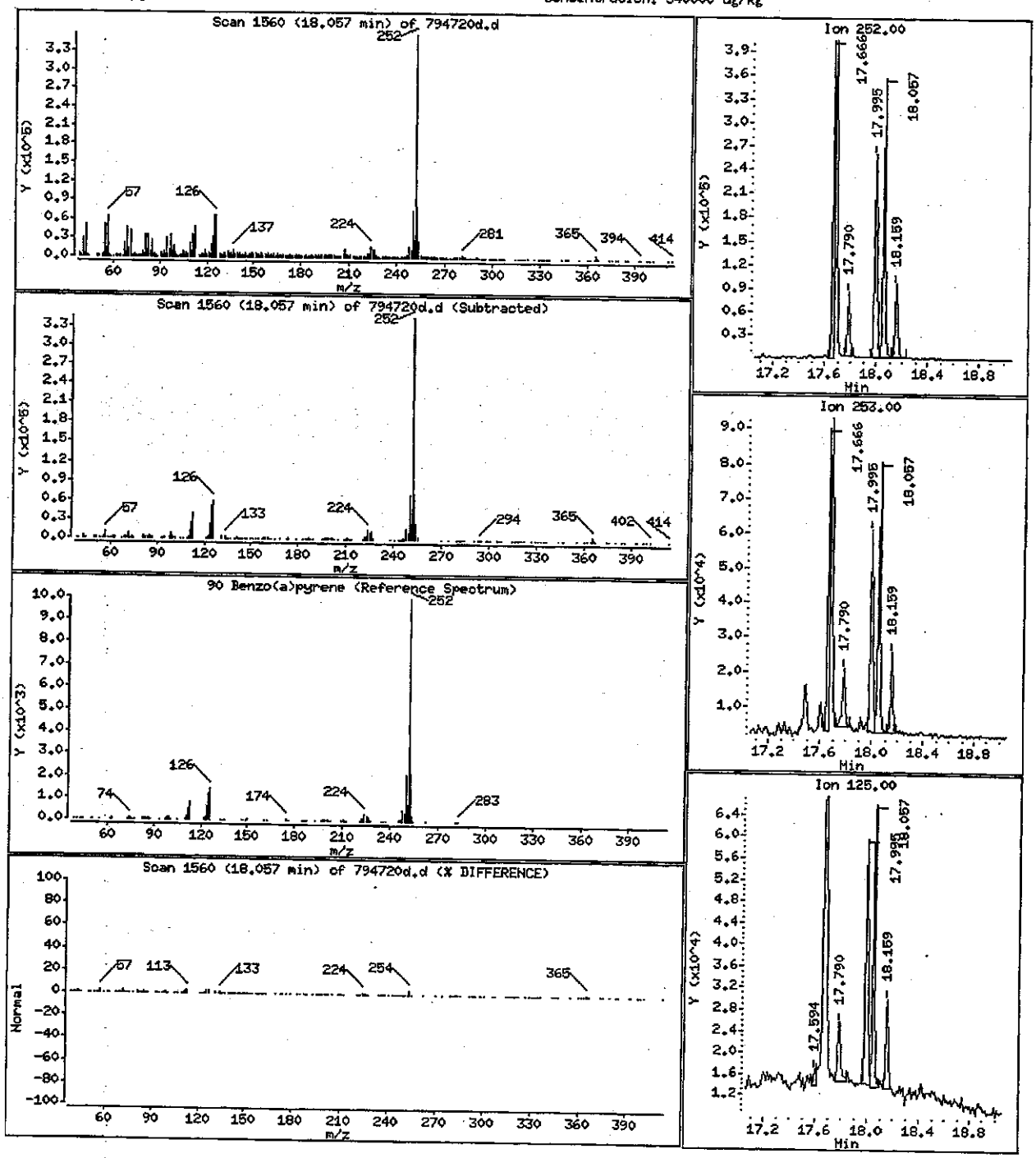
Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

90 Benzo(a)pyrene

Concentration: 540000 ug/kg



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Page 21

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0

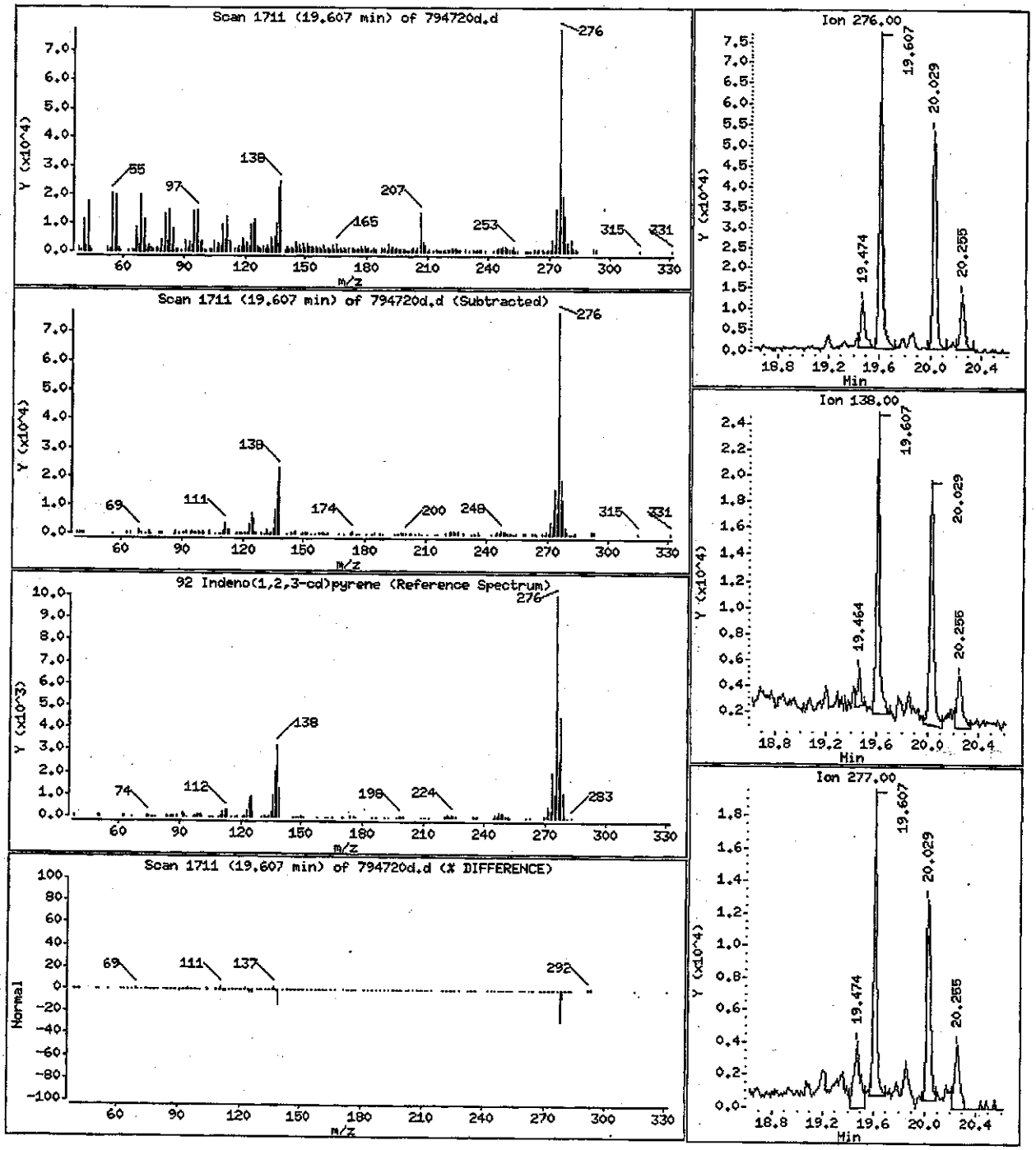
Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

92 Indeno(1,2,3-cd)pyrene

Concentration: 160000 ug/kg



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

Page 22

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0

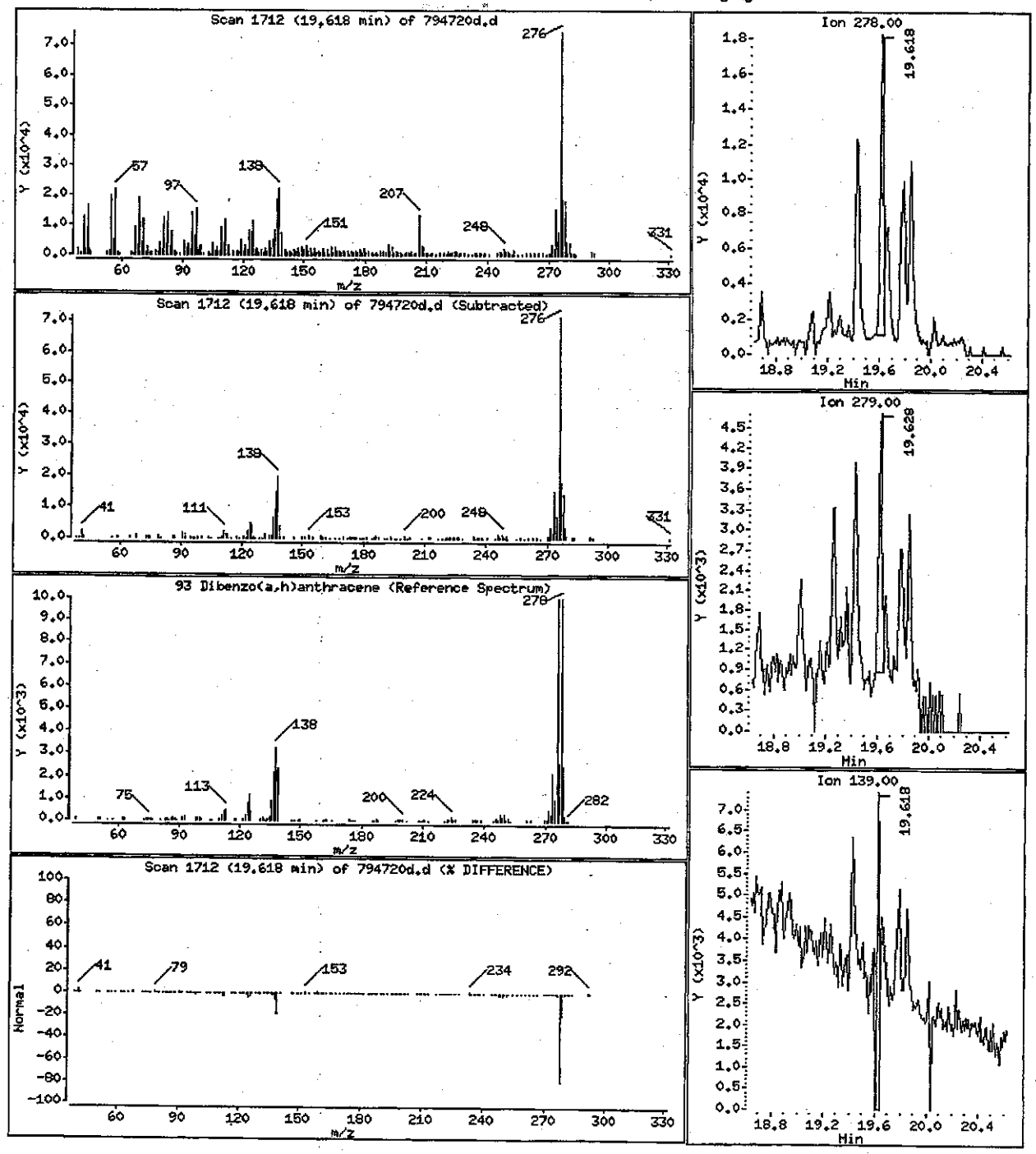
Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

93 Dibenzo(a,h)anthracene

Concentration: 45000 ug/kg



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Page 23

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0

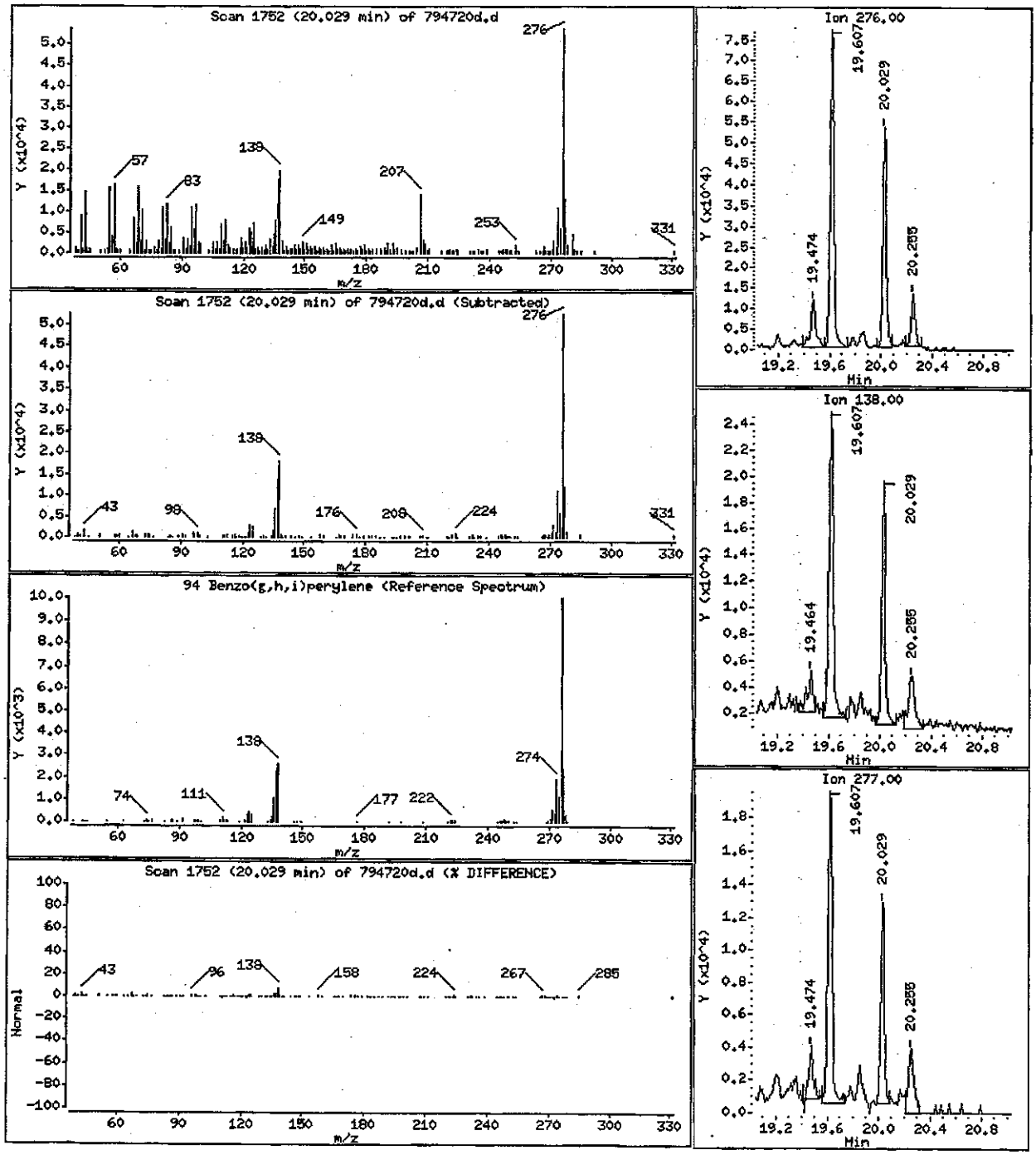
Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

94 Benzo(g,h,i)perylene

Concentration: 130000 ug/kg



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

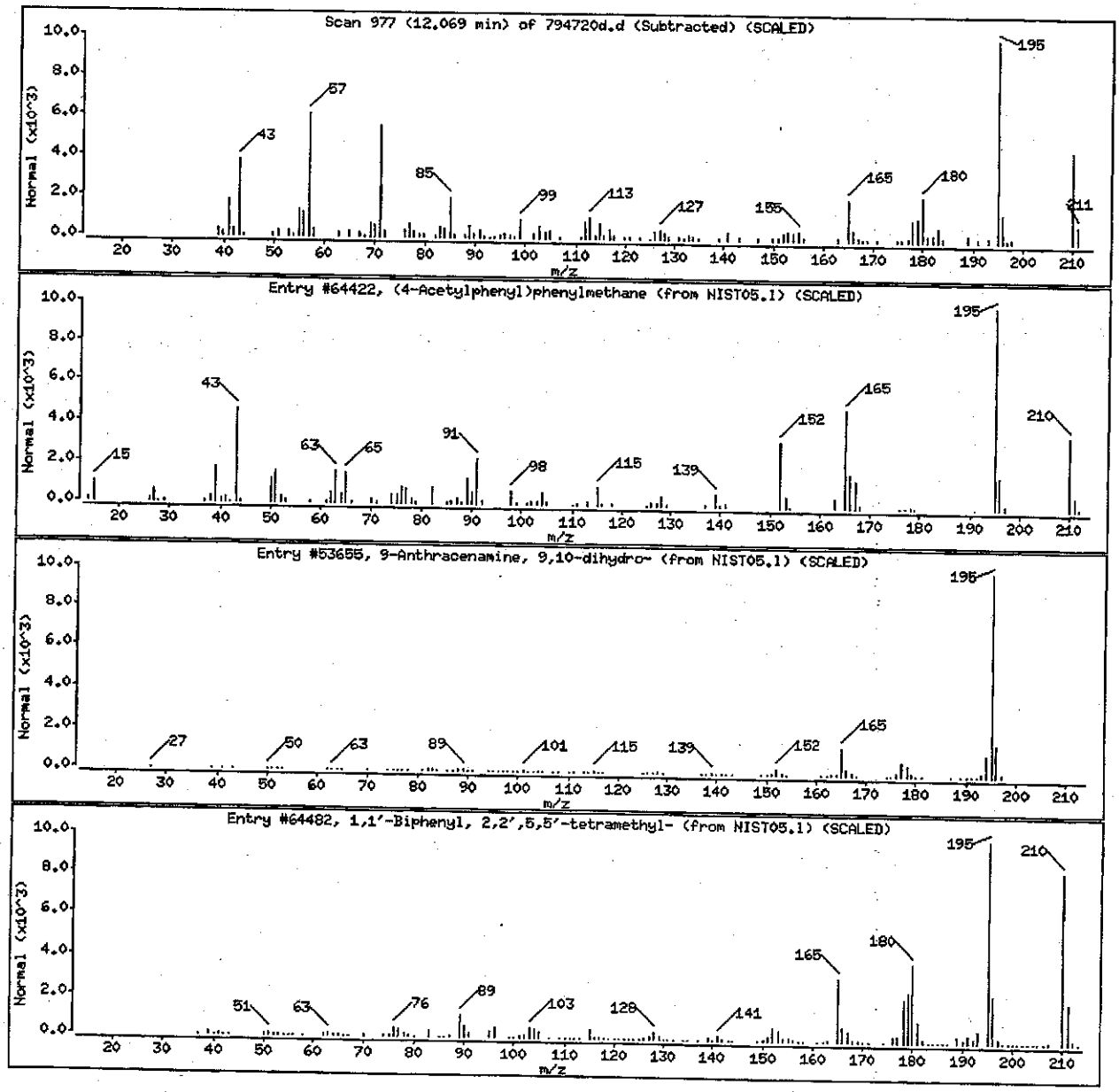
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
(4-Acetylphenyl)phenylmethane	782-92-3	NIST05.I	64422	49	C15H14O	210
9-Anthracenamine, 9,10-dihydro-	97825-91-7	NIST05.I	53655	49	C14H13N	195
1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	3075-84-1	NIST05.I	64482	49	C16H18	210



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

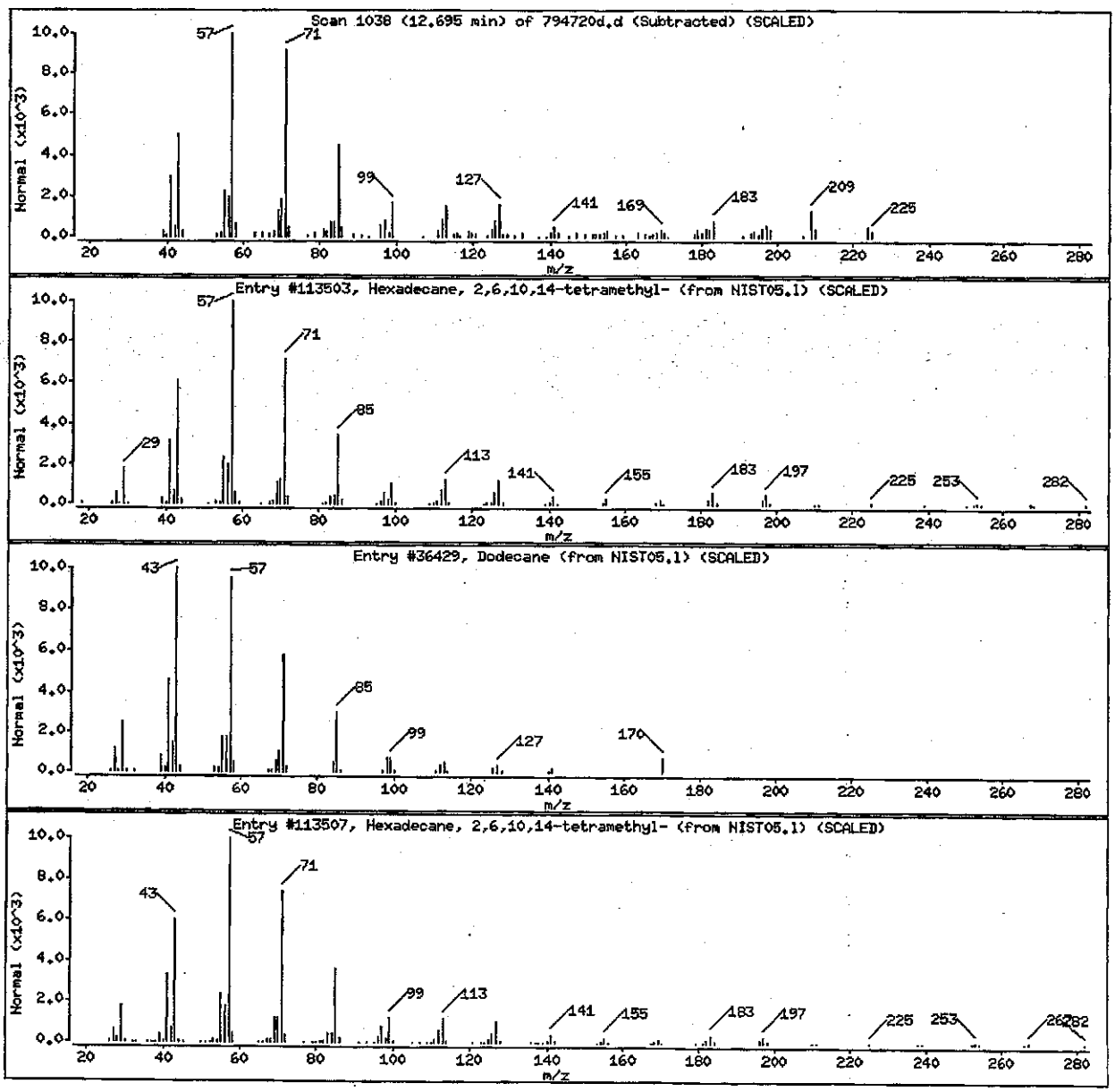
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST05.1	113503	90	C20H42	282
Dodecane	112-40-3	NIST05.1	36429	83	C12H26	170
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST05.1	113507	83	C20H42	282



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

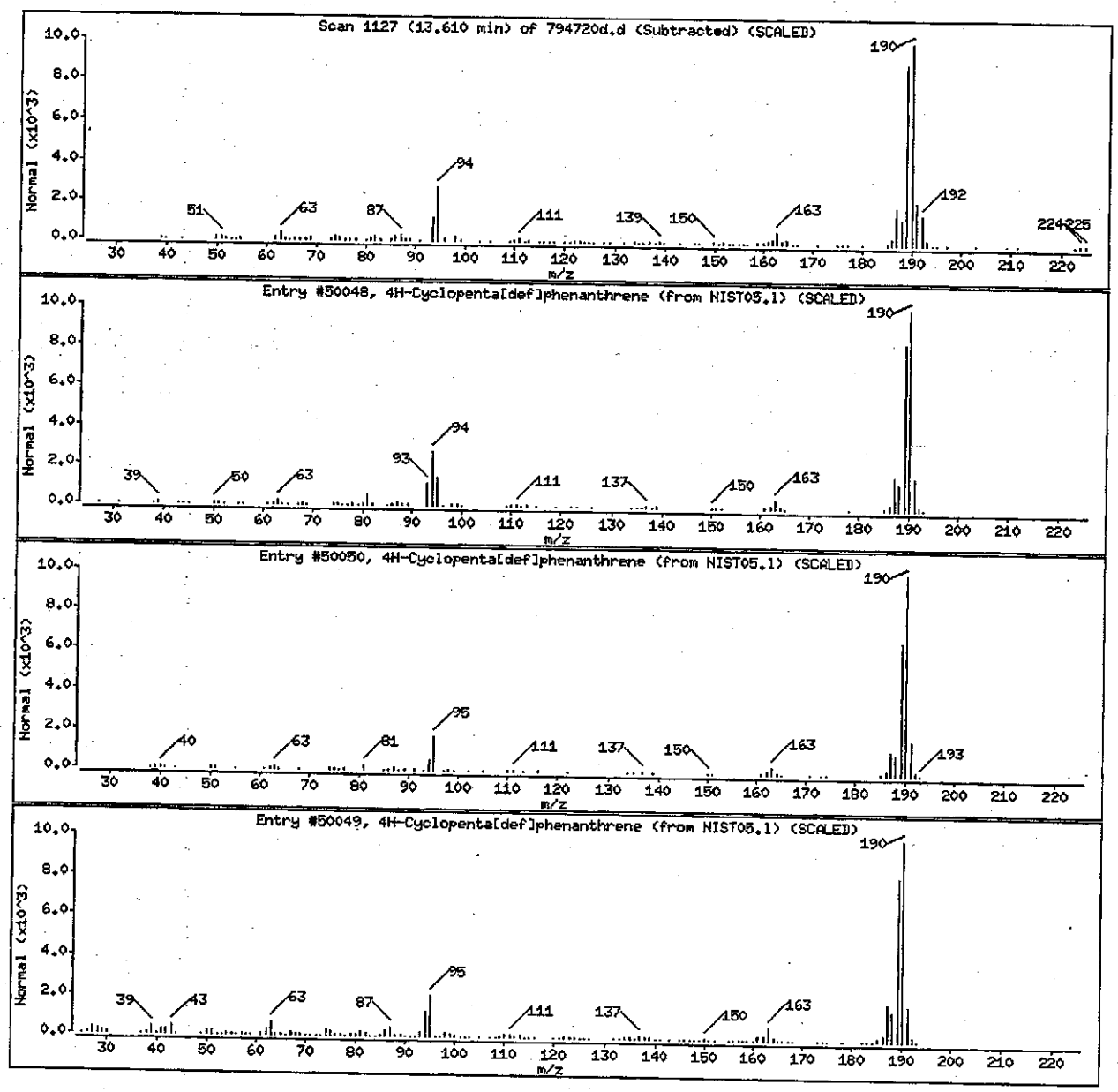
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST05.1	50048	96	C15H10	190
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST05.1	50050	87	C15H10	190
4H-Cyclopenta[def]phenanthrene	203-64-5	NIST05.1	50049	81	C15H10	190



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

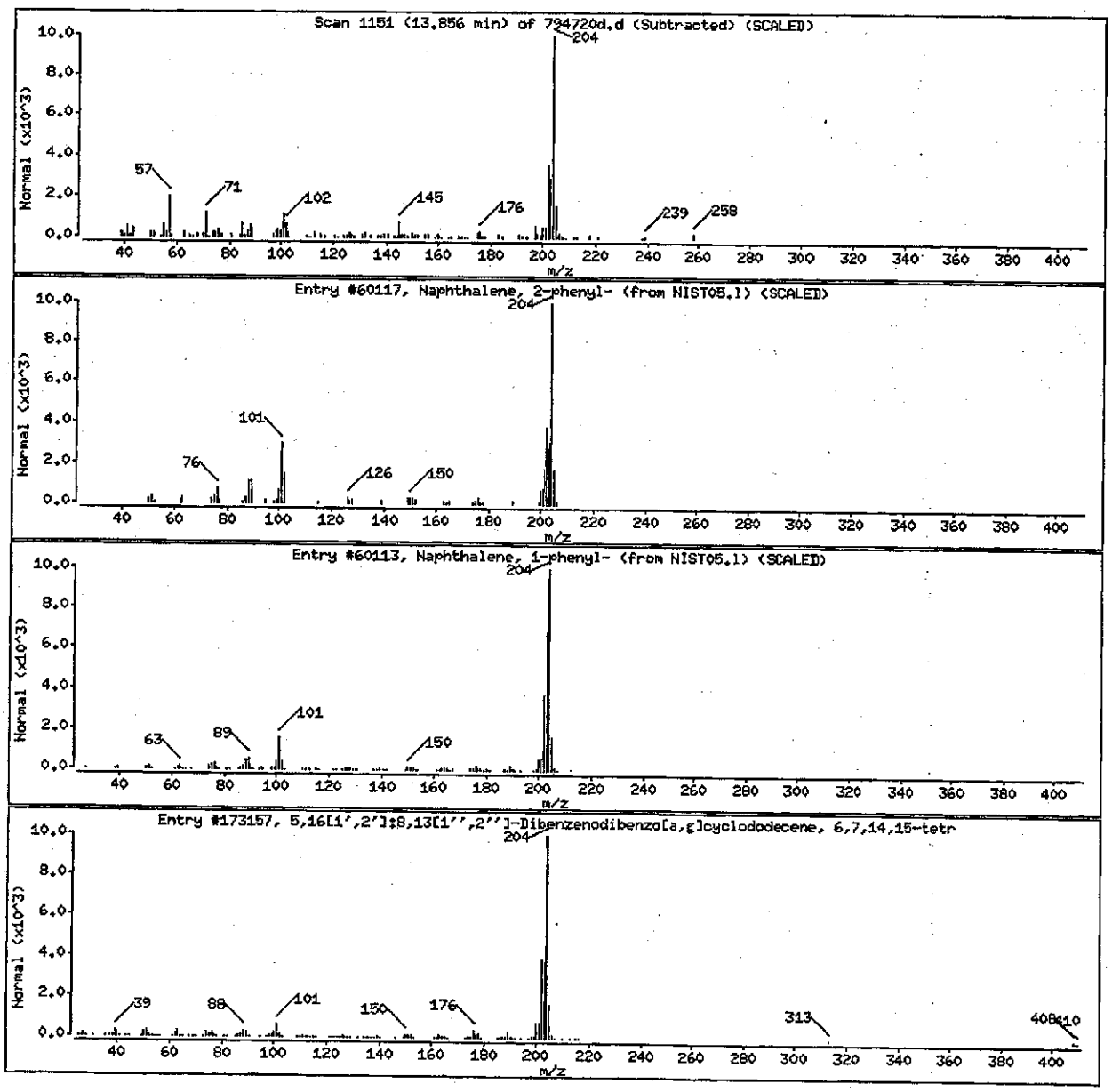
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2-phenyl-	612-94-2	NIST05.1	60117	93	C16H12	204
Naphthalene, 1-phenyl-	605-02-7	NIST05.1	60113	86	C16H12	204
5,16[1',2']:8,13[1'',2'']-Dibenzenodiben	5672-97-9	NIST05.1	173157	86	C32H24	408



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Page 28

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

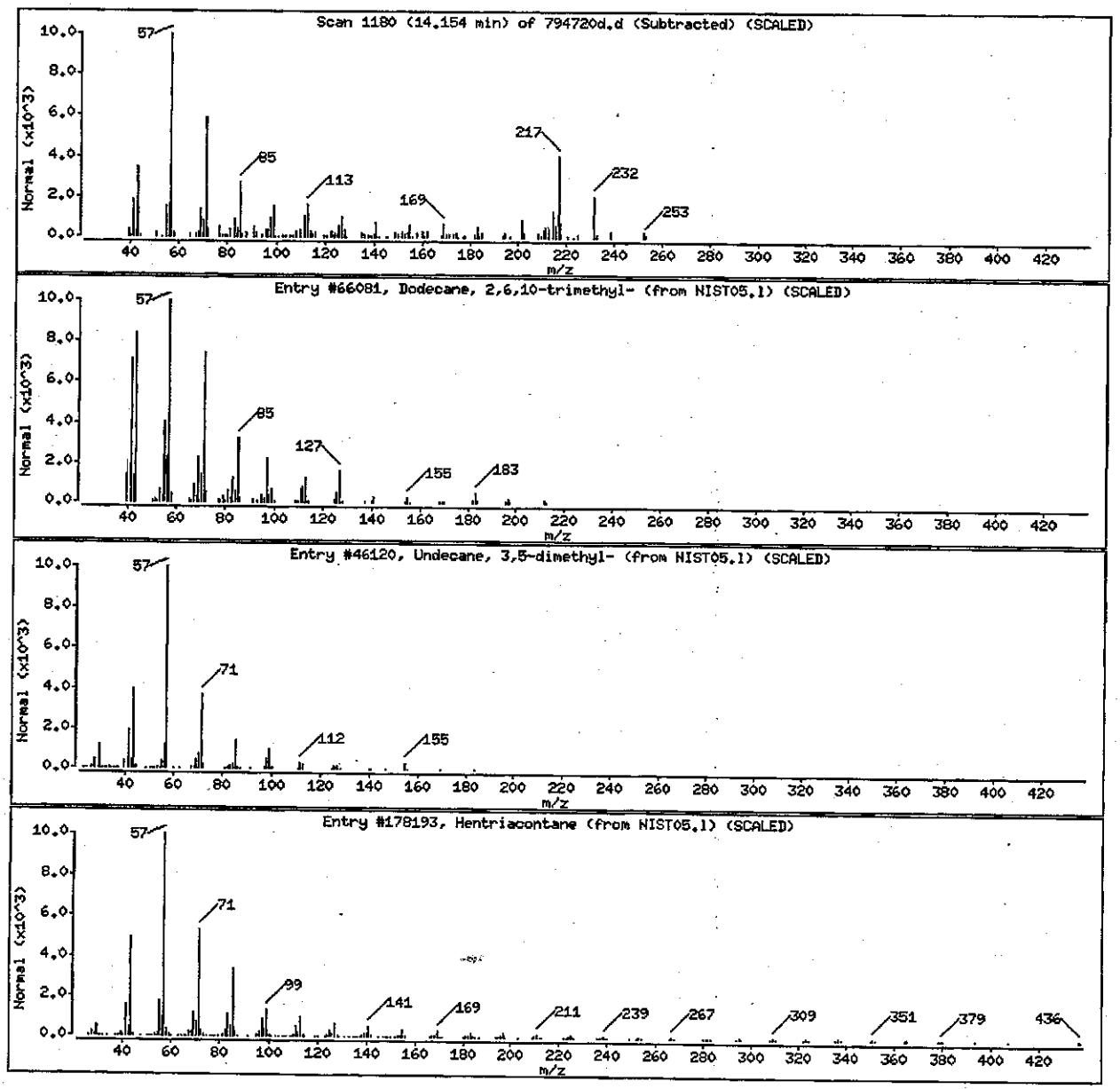
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST05.l	66081	43	C15H32	212
Undecane, 3,5-dimethyl-	17312-81-1	NIST05.l	46120	42	C13H28	184
Hentriacontane	630-04-6	NIST05.l	178193	38	C31H64	437



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

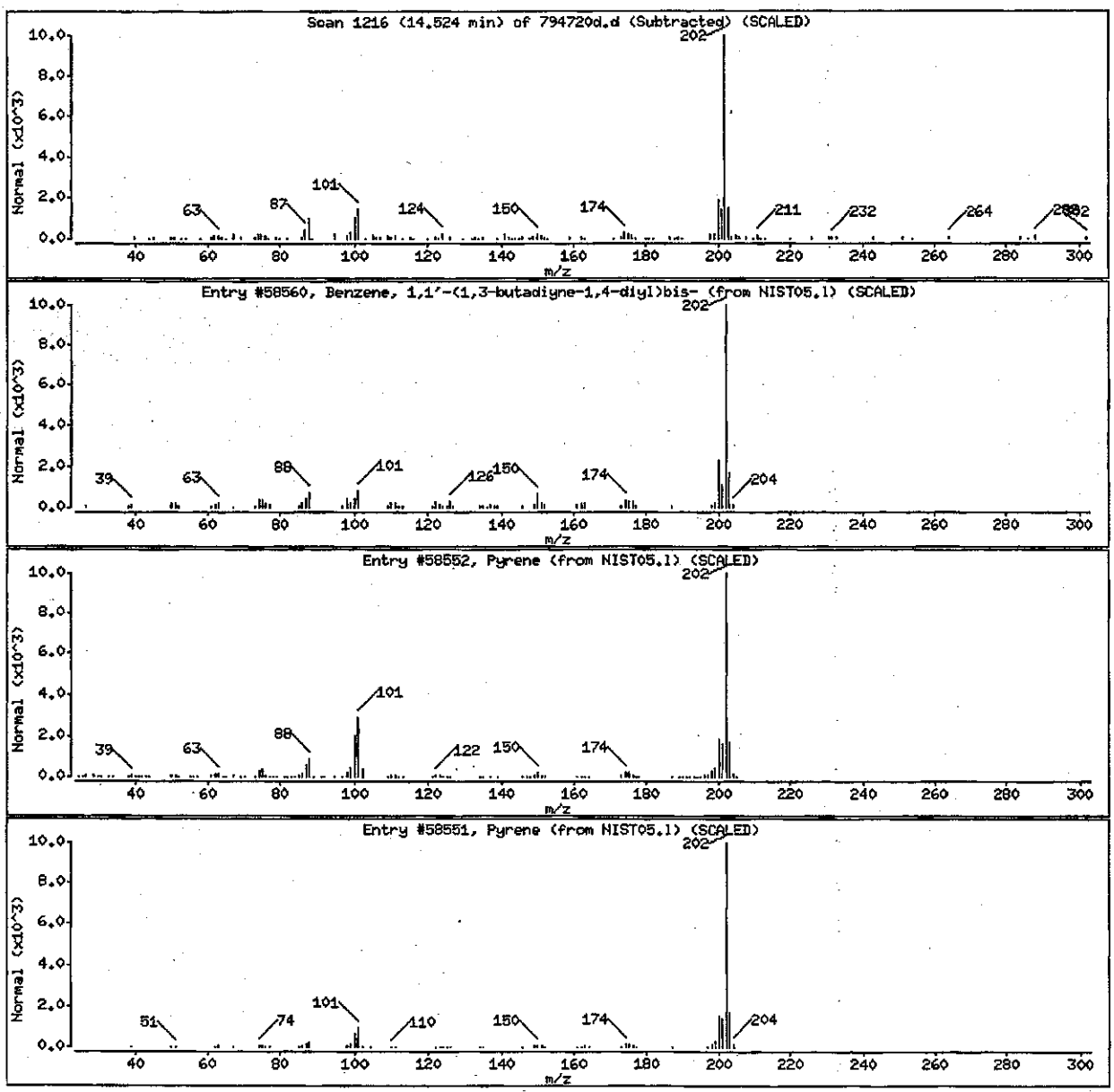
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bi	886-66-8	NIST05.1	58560	80	C16H10	202
Pyrene	129-00-0	NIST05.1	58552	90	C16H10	202
Pyrene	129-00-0	NIST05.1	58551	83	C16H10	202



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

Page 30

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

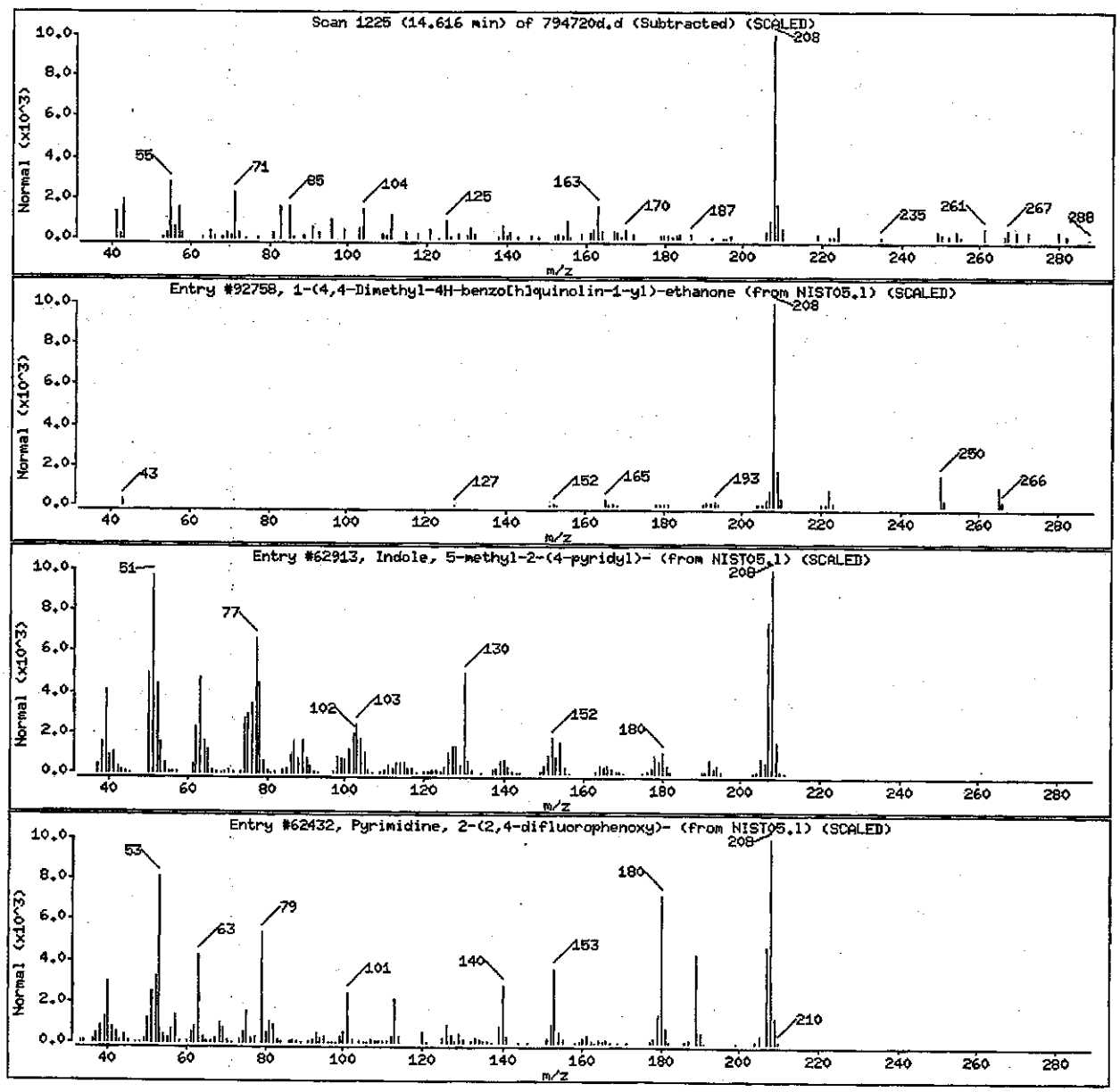
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-(4,4-Dimethyl-4H-benzo[h]quinolin-1-yl	1000310-52-4	NIST05.1	92758	59	C17H17NO	251
Indole, 5-methyl-2-(4-pyridyl)-	107919-92-6	NIST05.1	62913	52	C14H12N2	208
Pyrimidine, 2-(2,4-difluorophenoxy)-	1000260-37-2	NIST05.1	62432	52	C10H6F2N2O	208



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

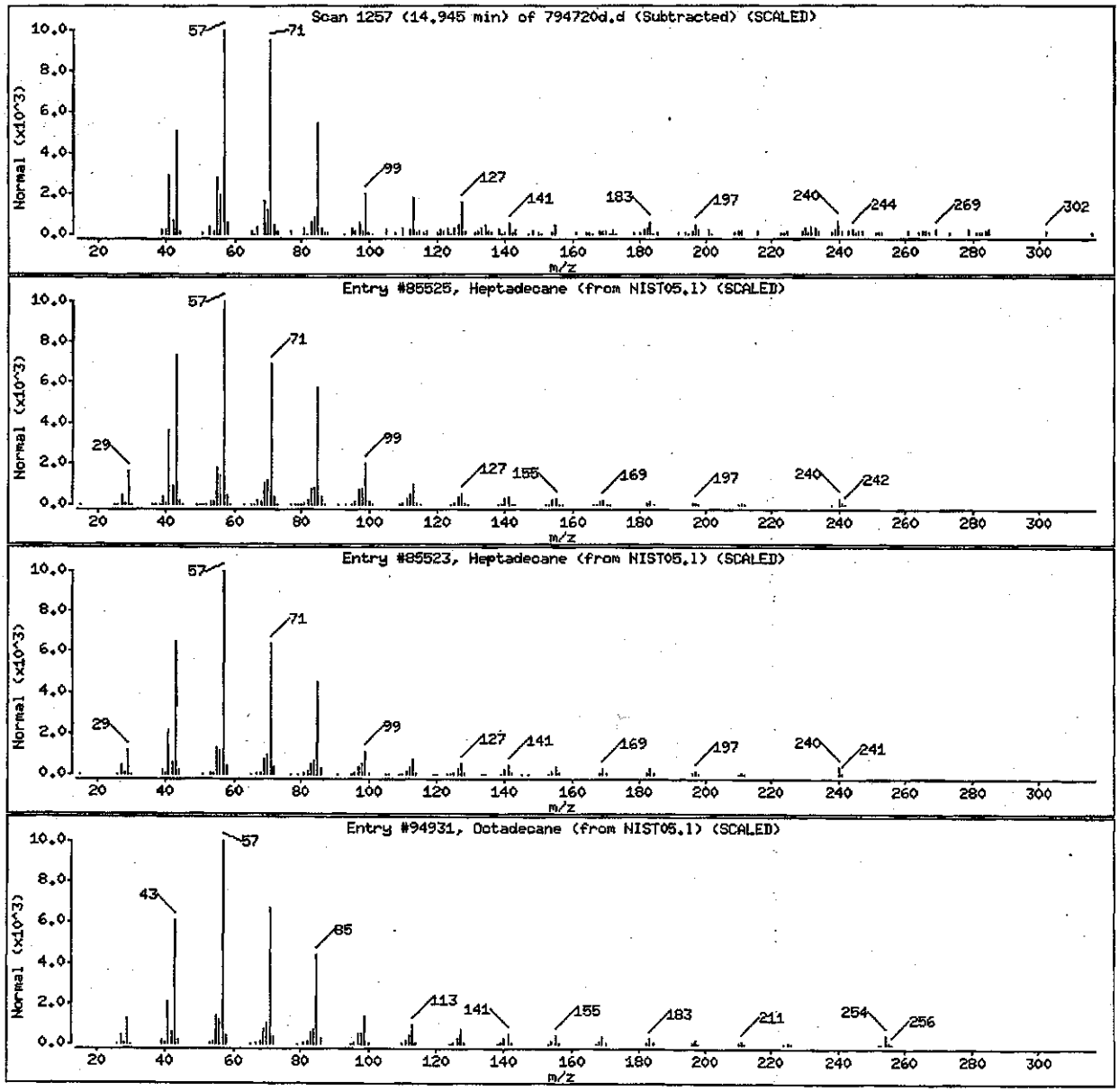
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptadecane	629-78-7	NIST05.1	85525	94	C17H36	240
Heptadecane	629-78-7	NIST05.1	85523	81	C17H36	240
Octadecane	593-45-3	NIST05.1	94931	80	C18H38	254



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[305/05/09 @1621(SEDIMENT)

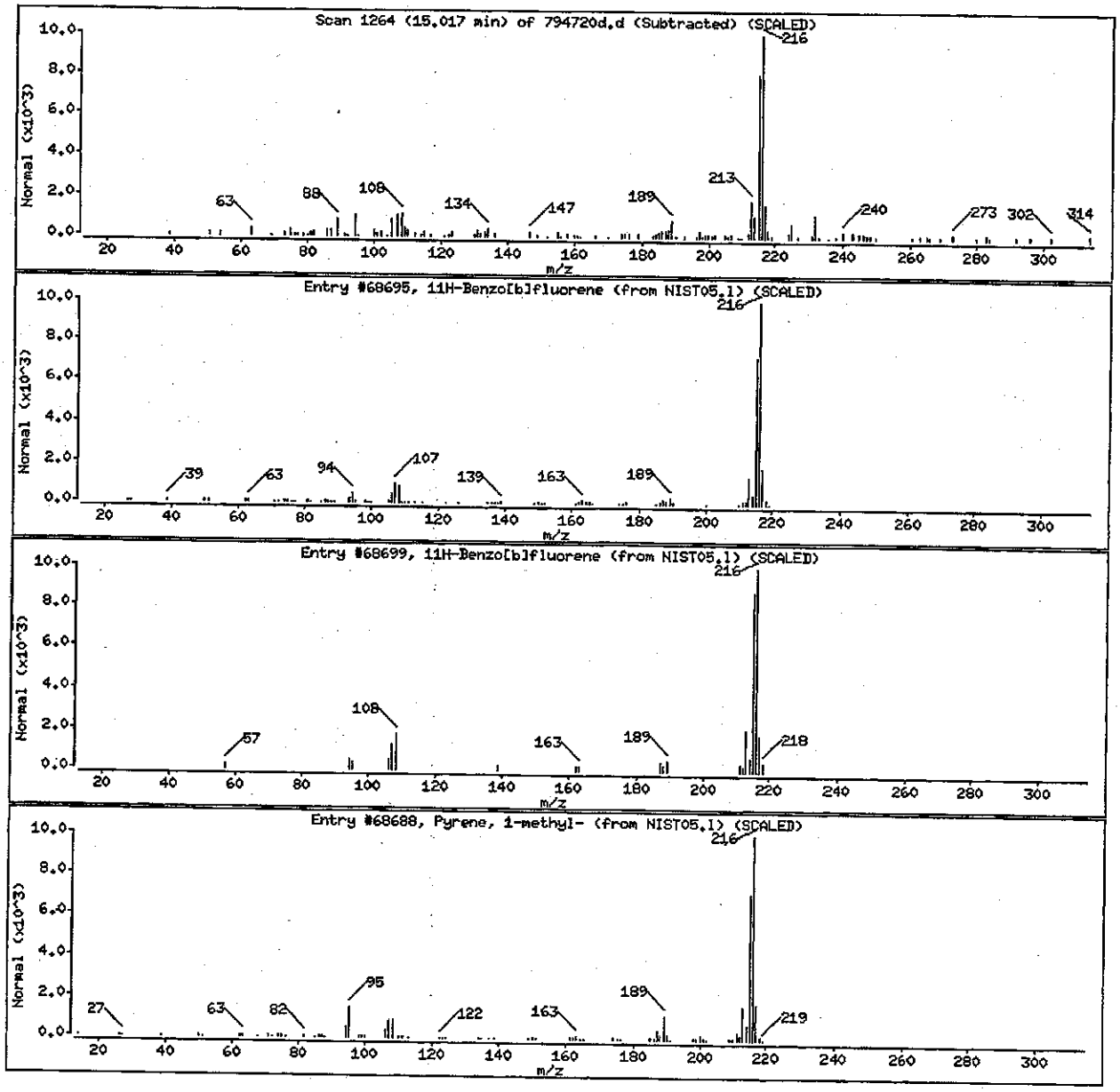
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
11H-Benzo[b]fluorene	243-17-4	NIST05.l	68695	90	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST05.l	68699	87	C17H12	216
Pyrene, 1-methyl-	2381-21-7	NIST05.l	68688	86	C17H12	216



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

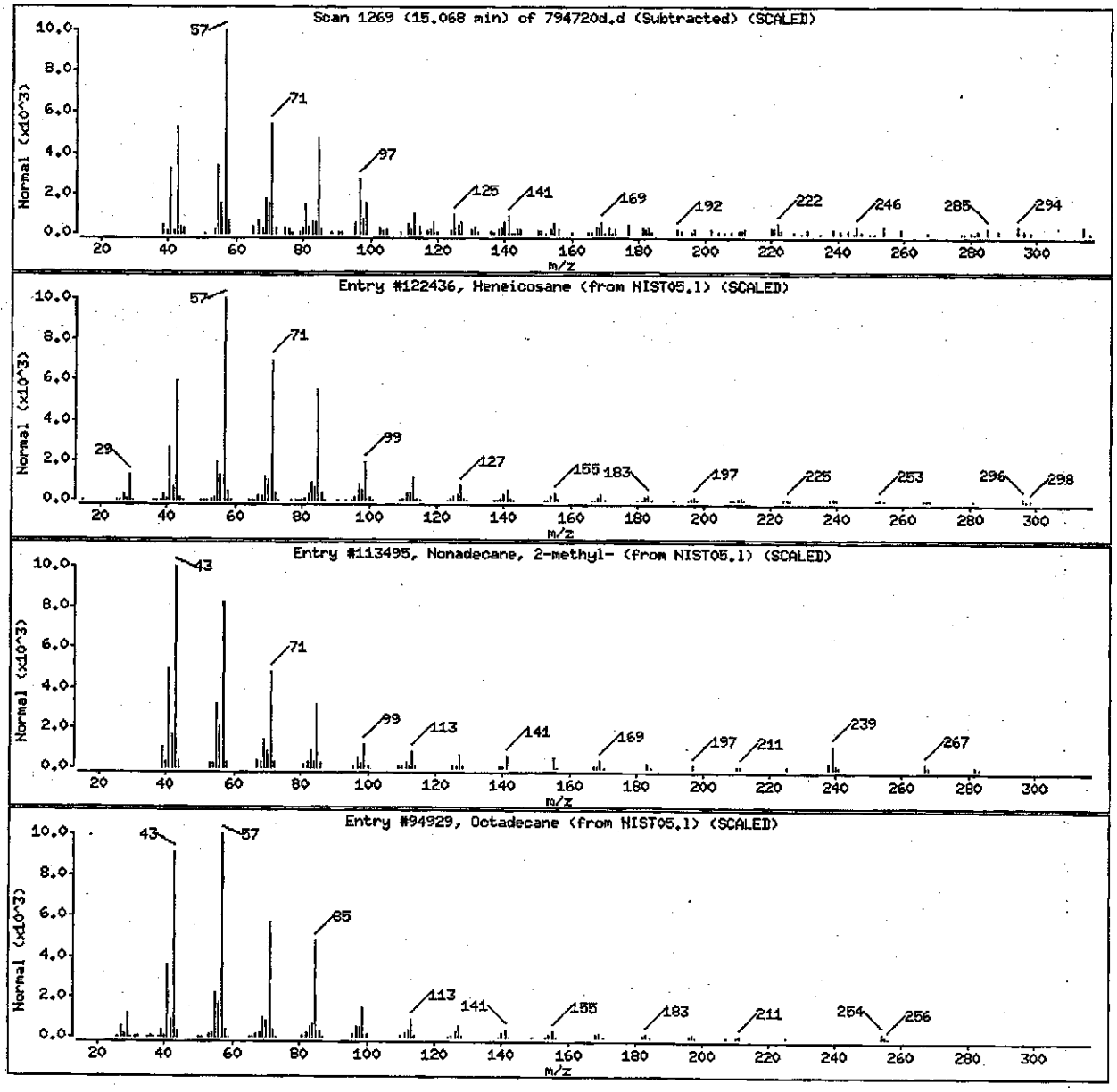
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heneicosane	629-94-7	NIST05.1	122436	92	C21H44	296
Nonadecane, 2-methyl-	1560-86-7	NIST05.1	113495	86	C20H42	282
Octadecane	593-45-3	NIST05.1	94929	86	C18H38	254



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

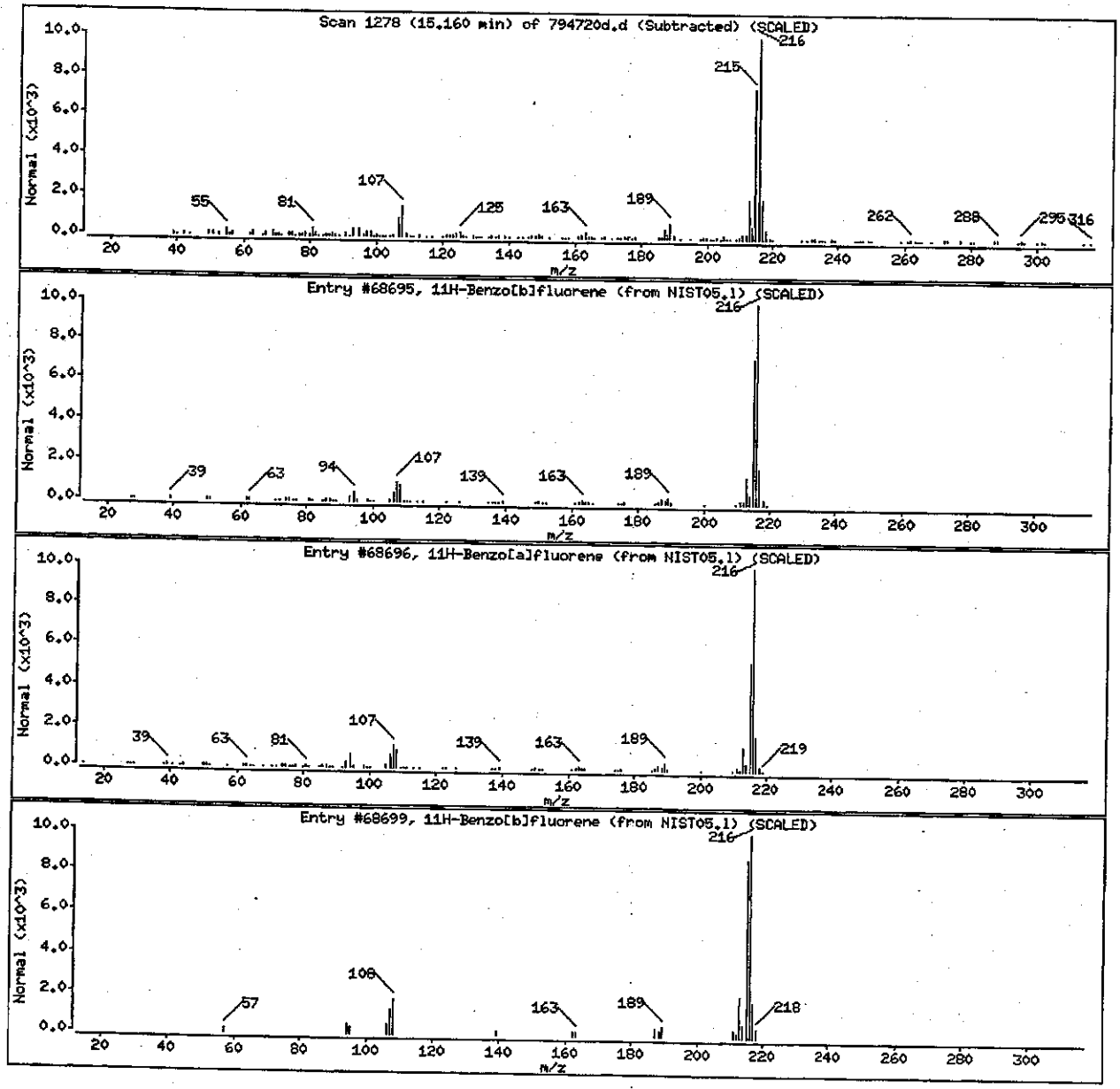
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
11H-Benzo[b]fluorene	243-17-4	NIST05.1	68695	96	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST05.1	68696	94	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST05.1	68699	93	C17H12	216



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d Page 35

Date : 22-MAY-2009 16:29

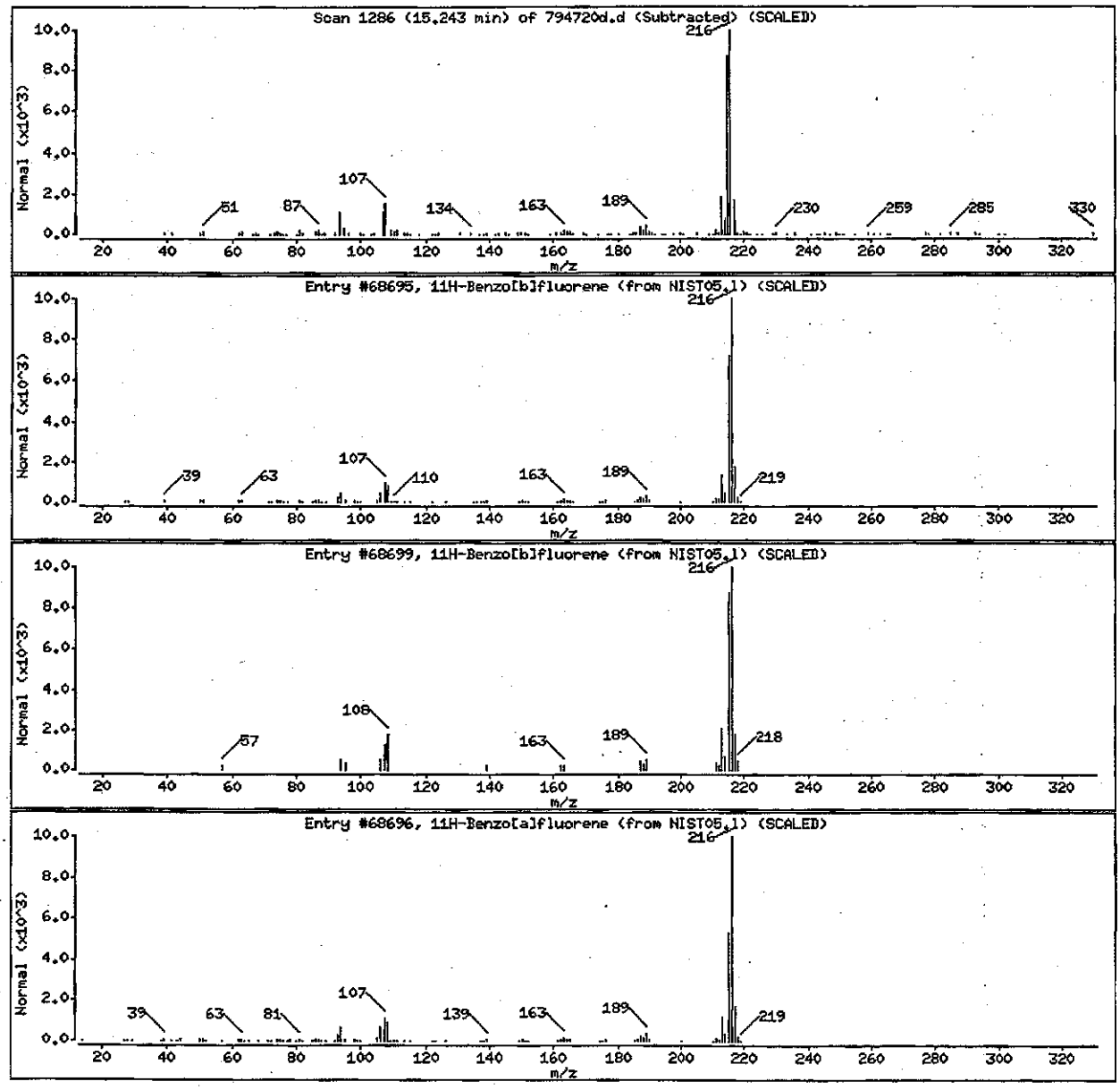
Client ID: E2QS2 Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0 Operator: djb

Column phase: Rxi-5ms Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
11H-Benzo[b]fluorene	243-17-4	NIST05.l	68695	91	C17H12	216
11H-Benzo[b]fluorene	243-17-4	NIST05.l	68699	87	C17H12	216
11H-Benzo[a]fluorene	238-84-6	NIST05.l	68696	81	C17H12	216



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

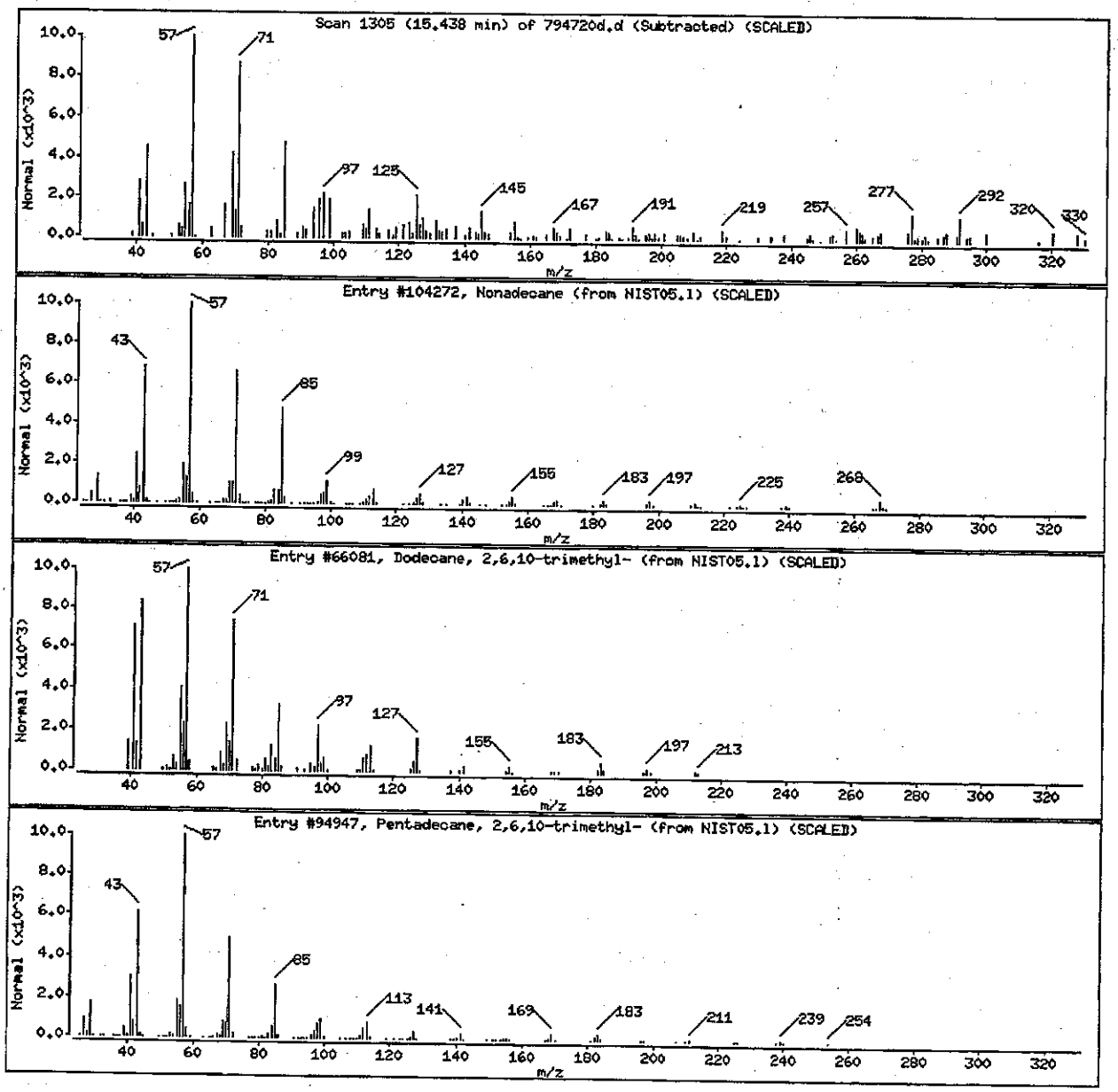
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Nonadecane	629-92-5	NIST05.1	104272	55	C19H40	268
Dodecane, 2,6,10-trimethyl-	3891-98-3	NIST05.1	66081	50	C15H32	212
Pentadecane, 2,6,10-trimethyl-	3892-00-0	NIST05.1	94947	47	C18H38	254



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[305/05/09 @1621(SEDIMENT)

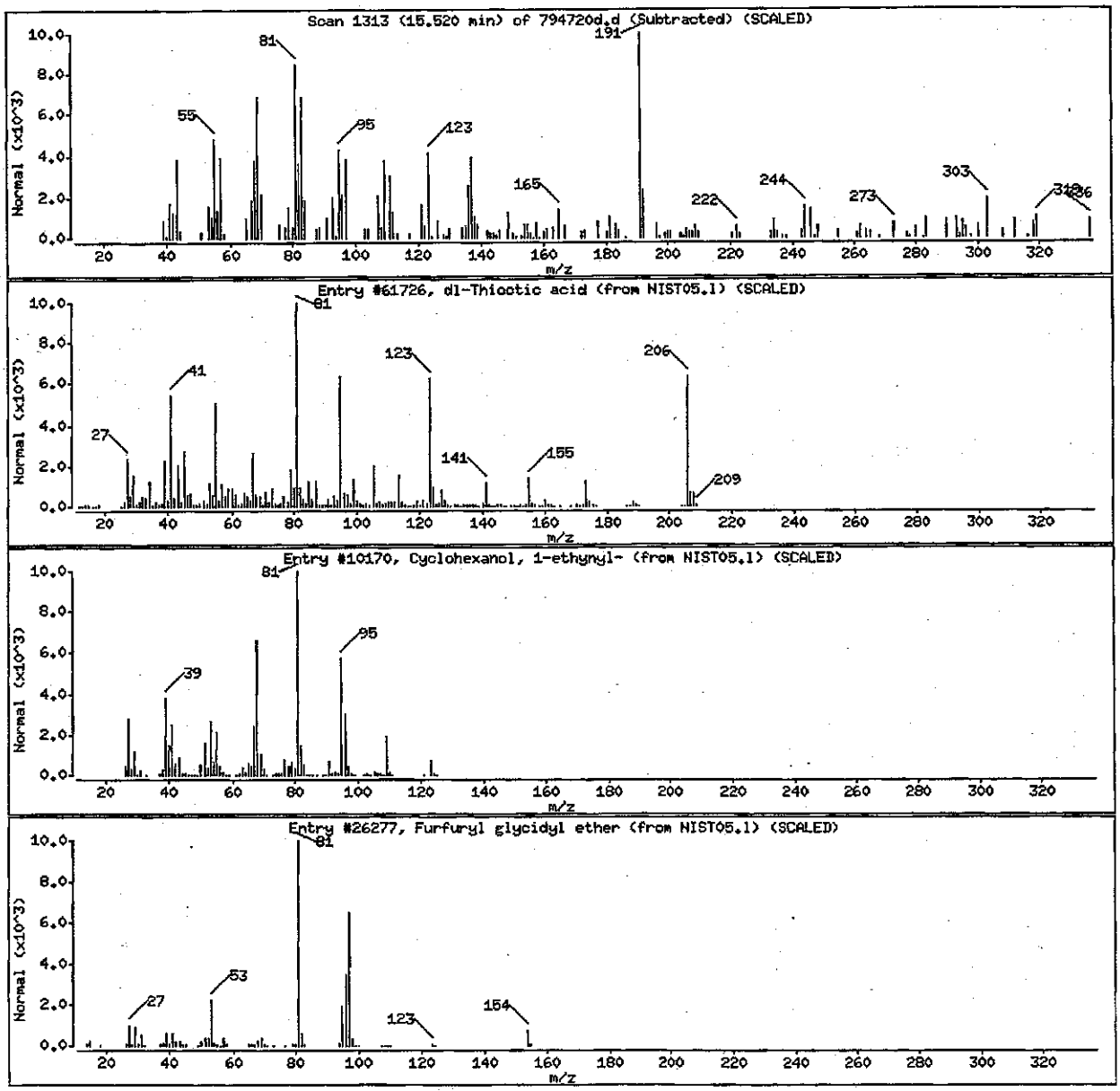
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
dl-Thioctic acid	1077-28-7	NIST05.1	61726	27	C8H14O2S2	206
Cyclohexanol, 1-ethynyl-	78-27-3	NIST05.1	10170	25	C8H12O	124
Furfuryl glycidyl ether	5380-87-0	NIST05.1	26277	25	C8H10O3	154



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

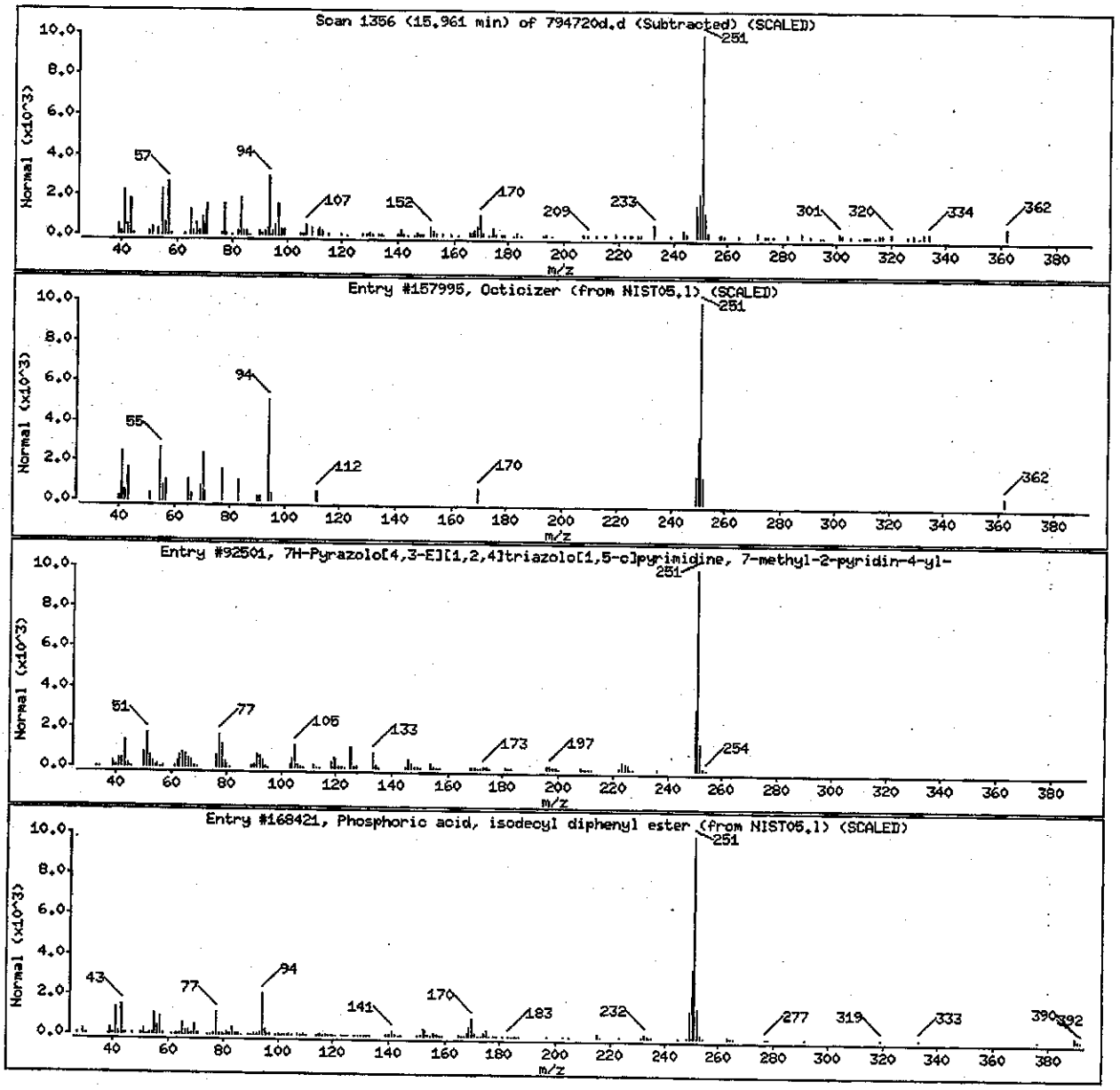
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Octicizer	1241-94-7	NIST05.1	157995	58	C20H2704P	362
7H-Pyrazolo[4,3-E][1,2,4]triazolo[1,5-c]	1000310-01-6	NIST05.1	92501	38	C12H9N7	251
Phosphoric acid, isodecyl diphenyl ester	29761-21-5	NIST05.1	168421	37	C22H3104P	390



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

Page 39

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

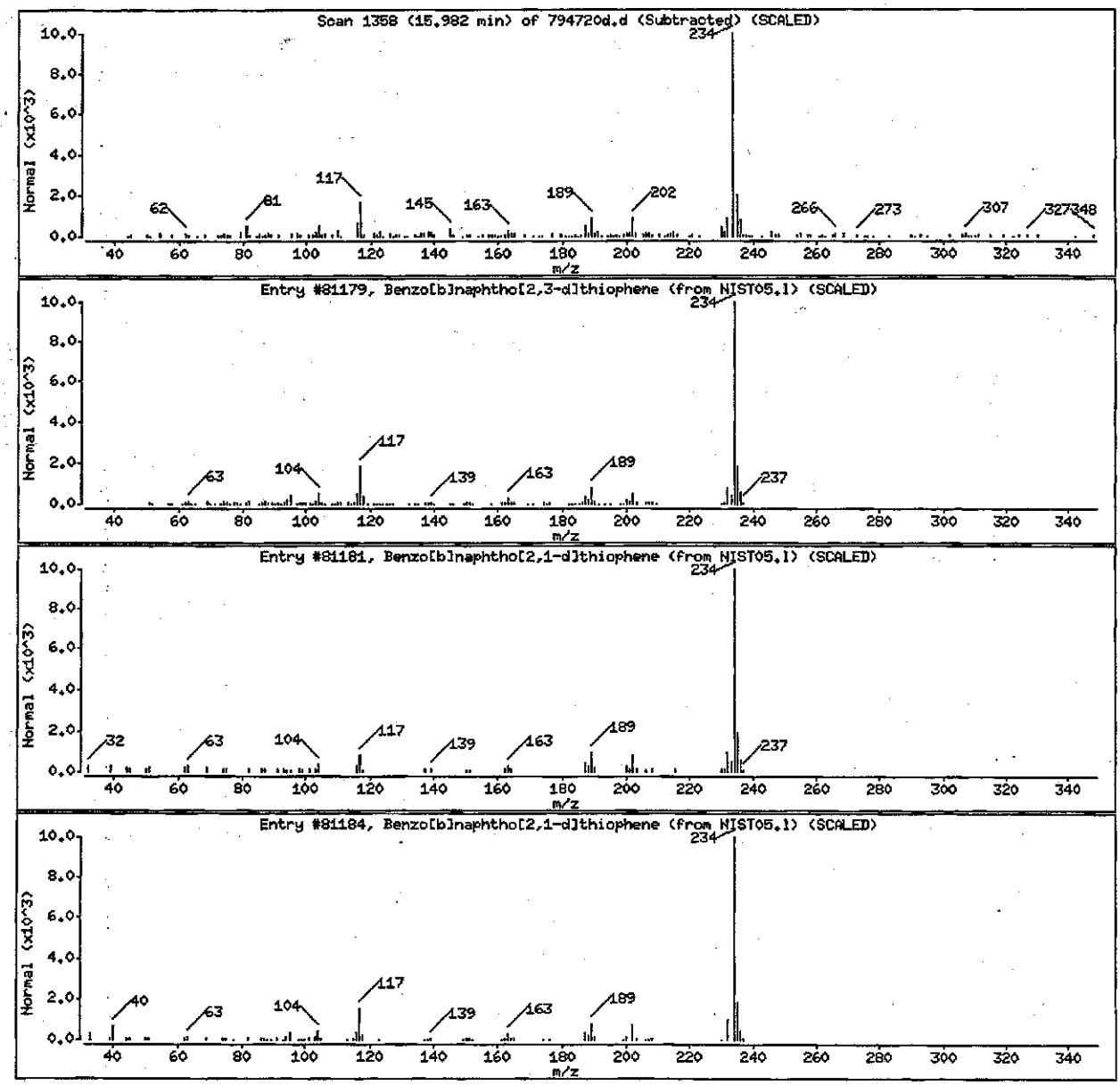
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo[b]naphtho[2,3-d]thiophene	243-46-9	NIST05.l	81179	93	C16H10S	234
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST05.l	81181	93	C16H10S	234
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST05.l	81184	93	C16H10S	234



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

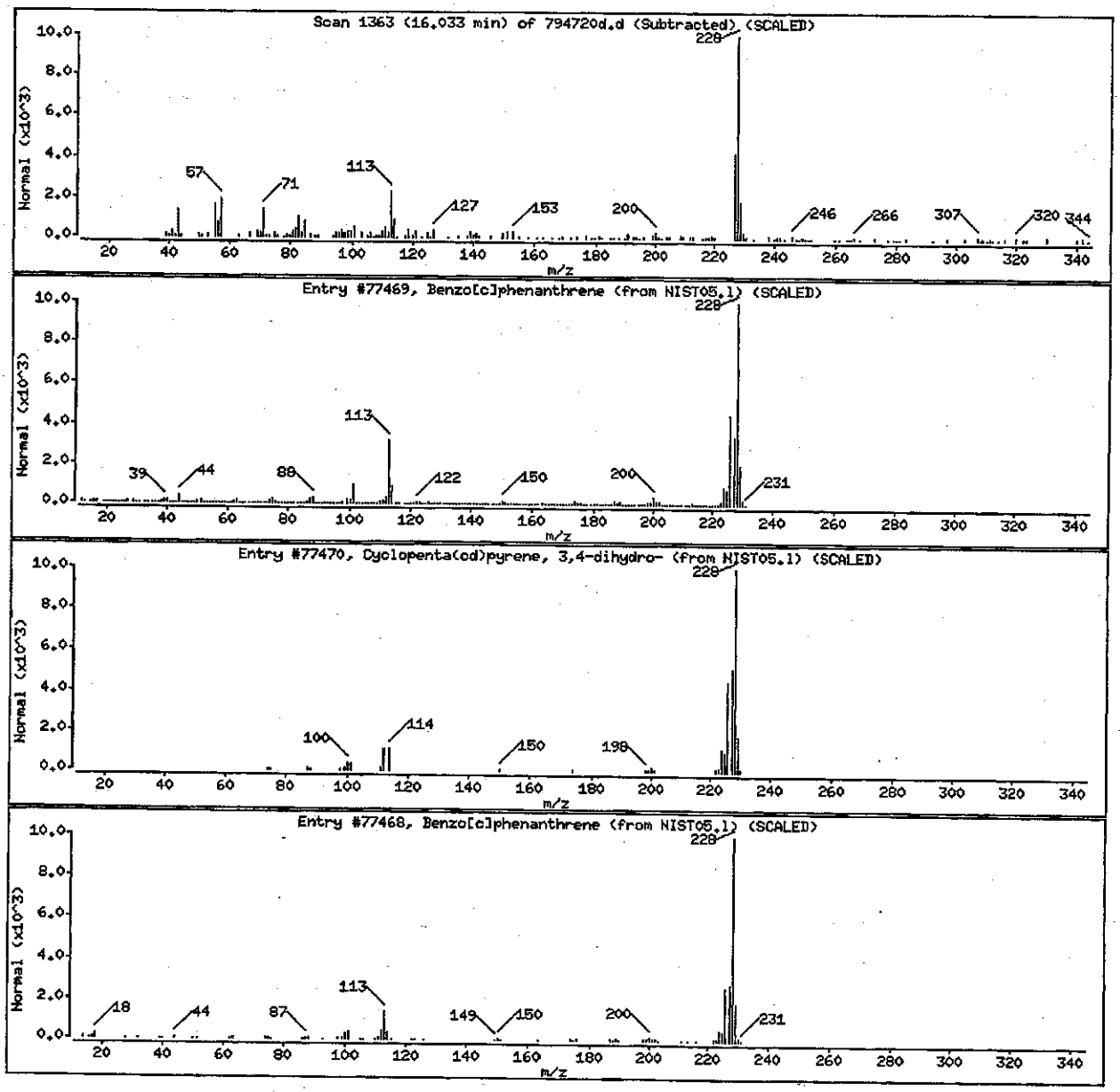
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo[c]phenanthrene	195-19-7	NIST05.1	77469	87	C18H12	228
Cyclopenta(cd)pyrene, 3,4-dihydro-	25732-74-5	NIST05.1	77470	81	C18H12	228
Benzo[c]phenanthrene	195-19-7	NIST05.1	77468	80	C18H12	228



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

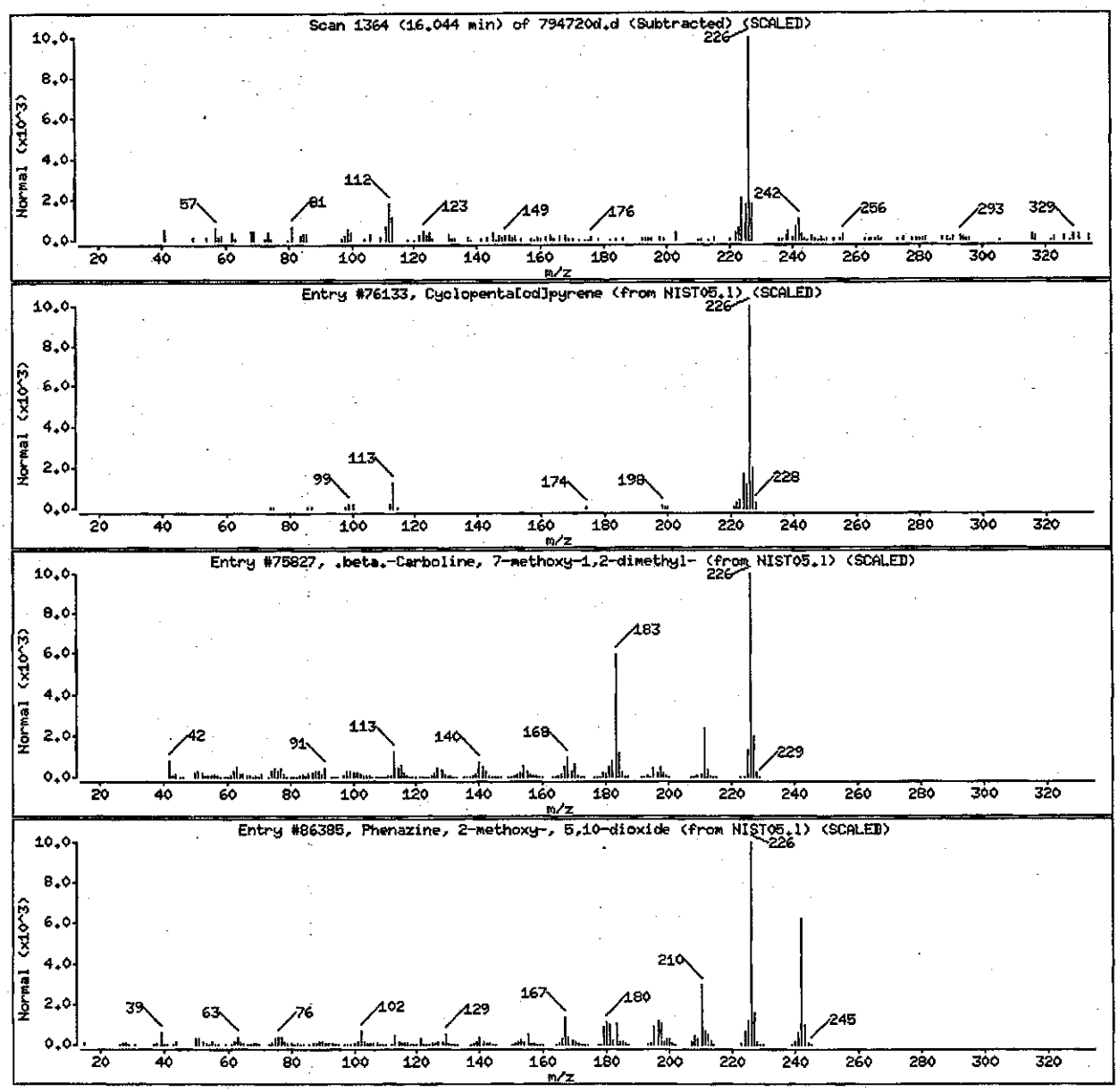
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopenta[cd]pyrene	27208-37-3	NIST05.1	76133	58	C18H10	226
.beta.-Carboline, 7-methoxy-1,2-dimethyl	6519-18-2	NIST05.1	75827	42	C14H14N2O	226
Phenazine, 2-methoxy-, 5,10-dioxide	303-78-6	NIST05.1	86385	40	C13H10N2O3	242



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

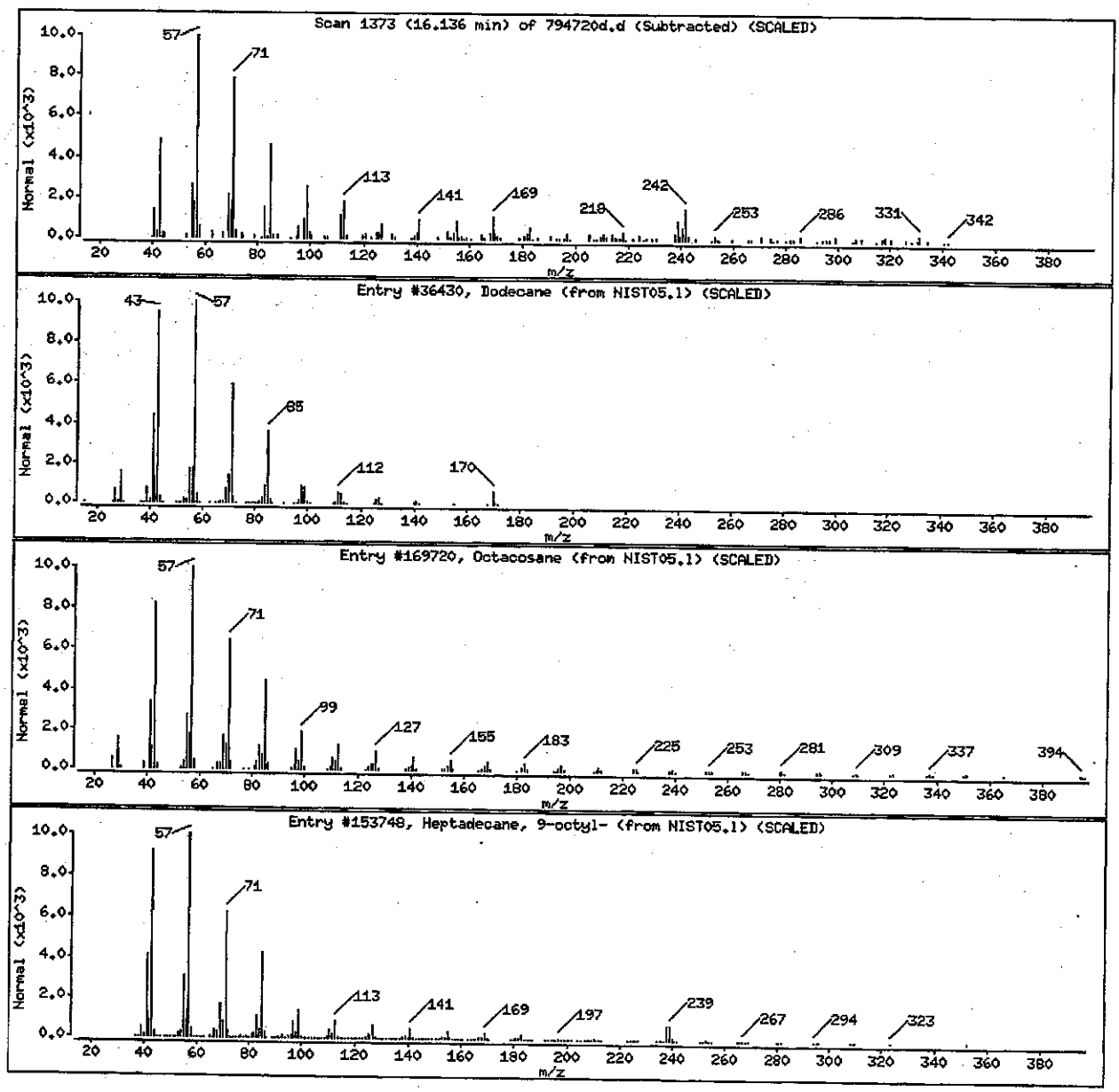
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	NIST05.1	36430	76	C12H26	170
Octacosane	630-02-4	NIST05.1	169720	72	C28H58	394
Heptadecane, 9-octyl-	7225-64-1	NIST05.1	153748	64	C25H52	352



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d Page 43

Date : 22-MAY-2009 16:29

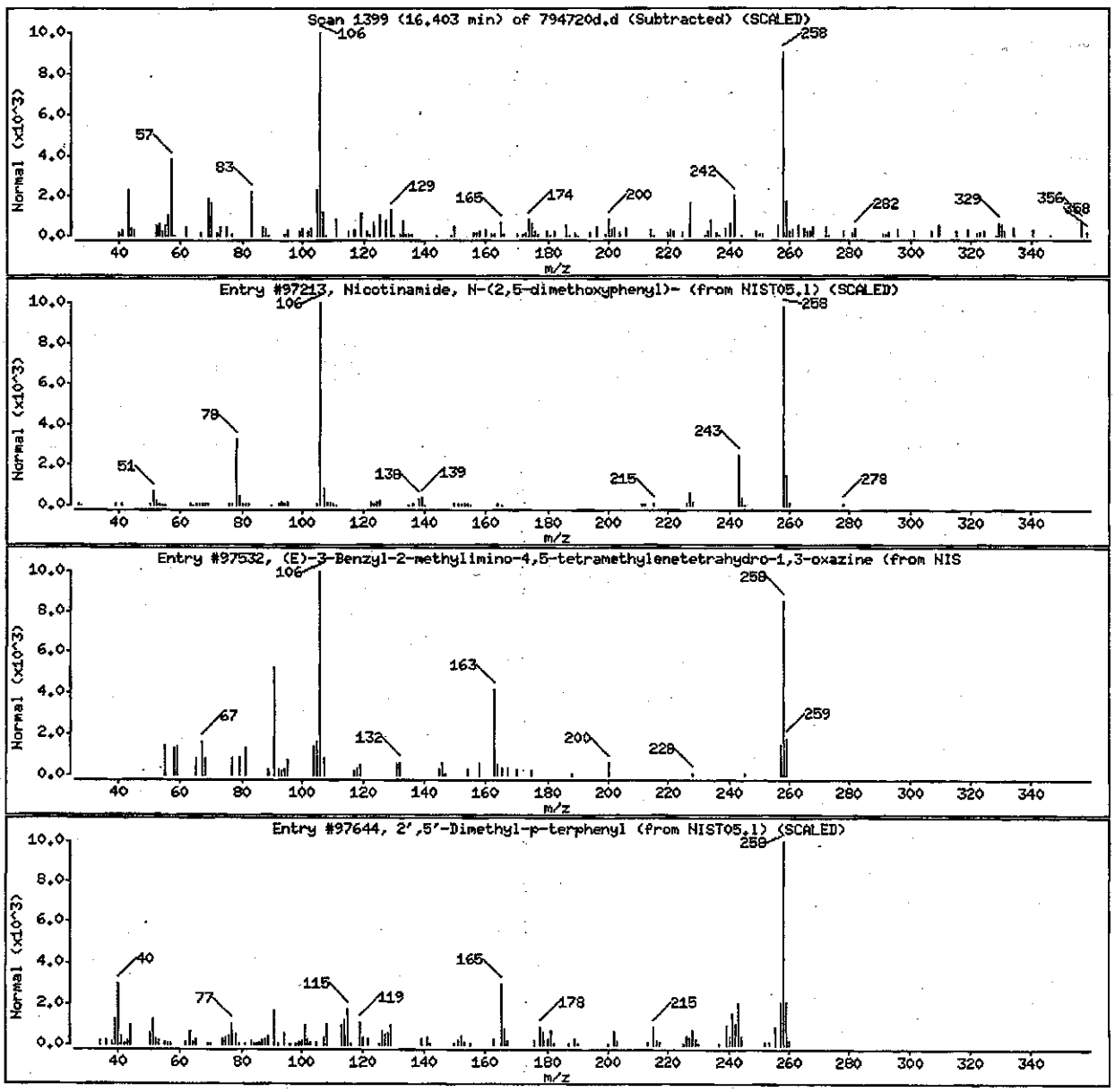
Client ID: E2QS2 Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0 Operator: djb

Column phase: Rxi-5ms Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nicotinamide, N-(2,5-dimethoxyphenyl)-	1000308-10-9	NIST05.1	97213	59	C14H14N2O3	258
(E)-3-Benzyl-2-methylimino-4,5-tetrameth	117720-57-7	NIST05.1	97532	59	C16H22N2O	258
2',5'-Dimethyl-p-terphenyl	20260-22-4	NIST05.1	97644	27	C20H18	258



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

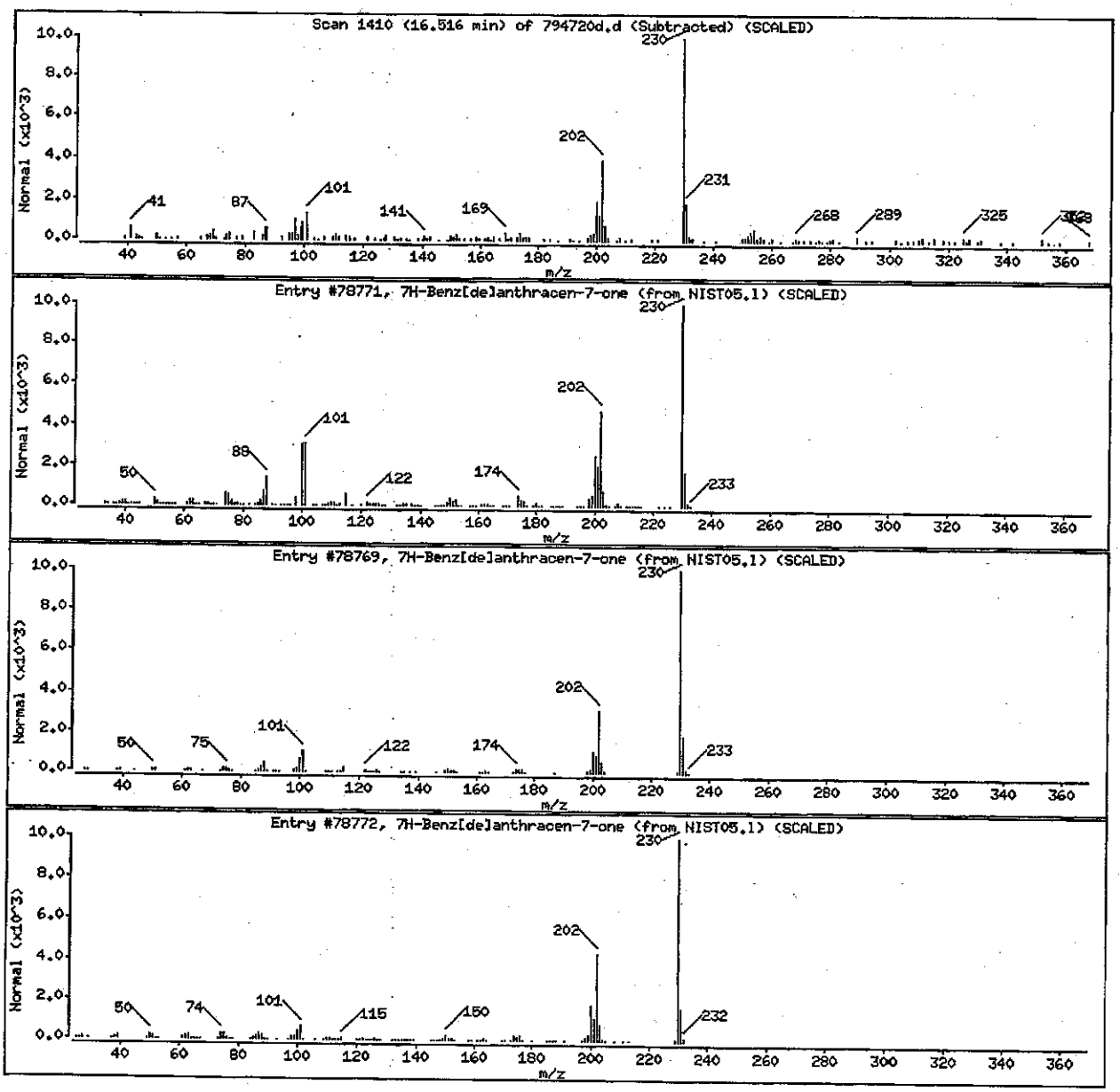
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
7H-Benz[de]anthracen-7-one	82-05-3	NIST05.1	78771	95	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST05.1	78769	93	C17H10O	230
7H-Benz[de]anthracen-7-one	82-05-3	NIST05.1	78772	93	C17H10O	230



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

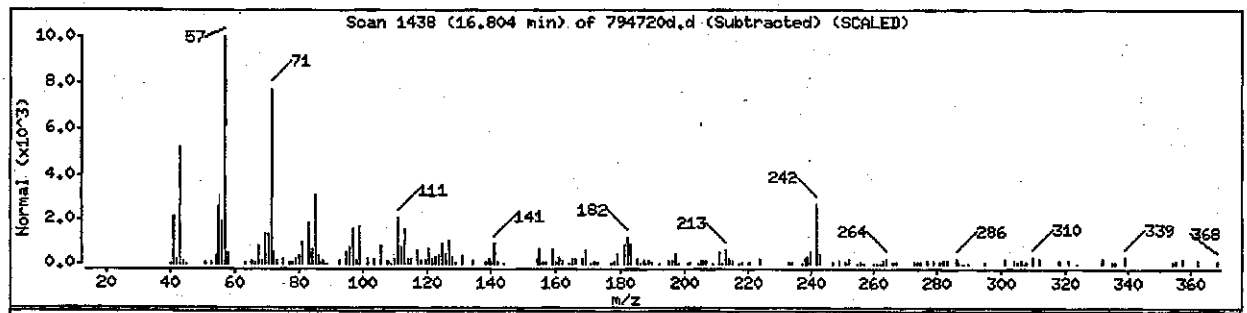
Volume Injected (uL): 2.0

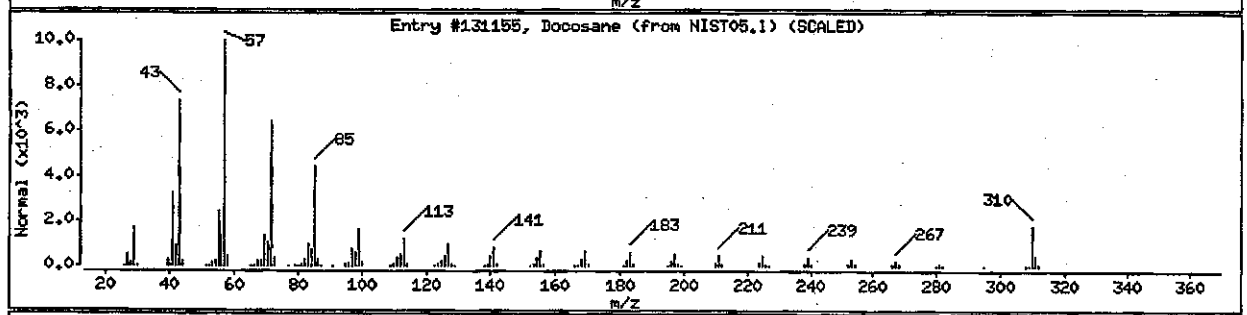
Operator: djb

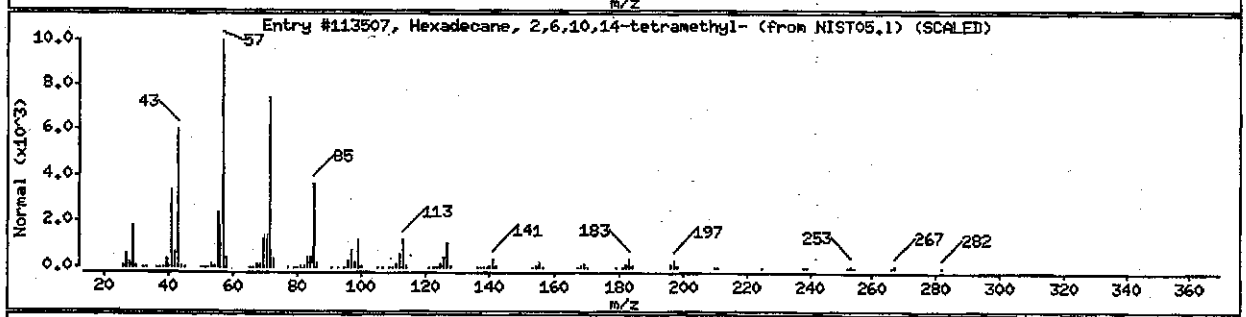
Column phase: Rxi-5ms

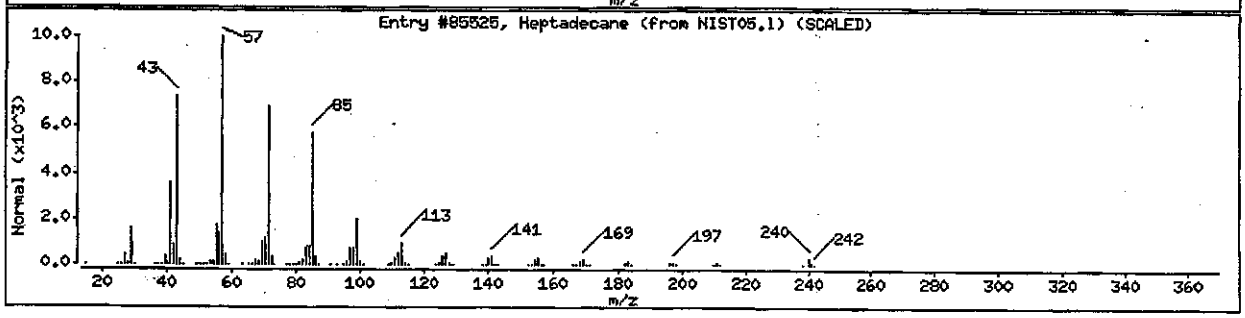
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Docosane	629-97-0	NIST05.1	131155	70	C22H46	310
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST05.1	113507	70	C20H42	282
Heptadecane	629-78-7	NIST05.1	85525	64	C17H36	240









Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

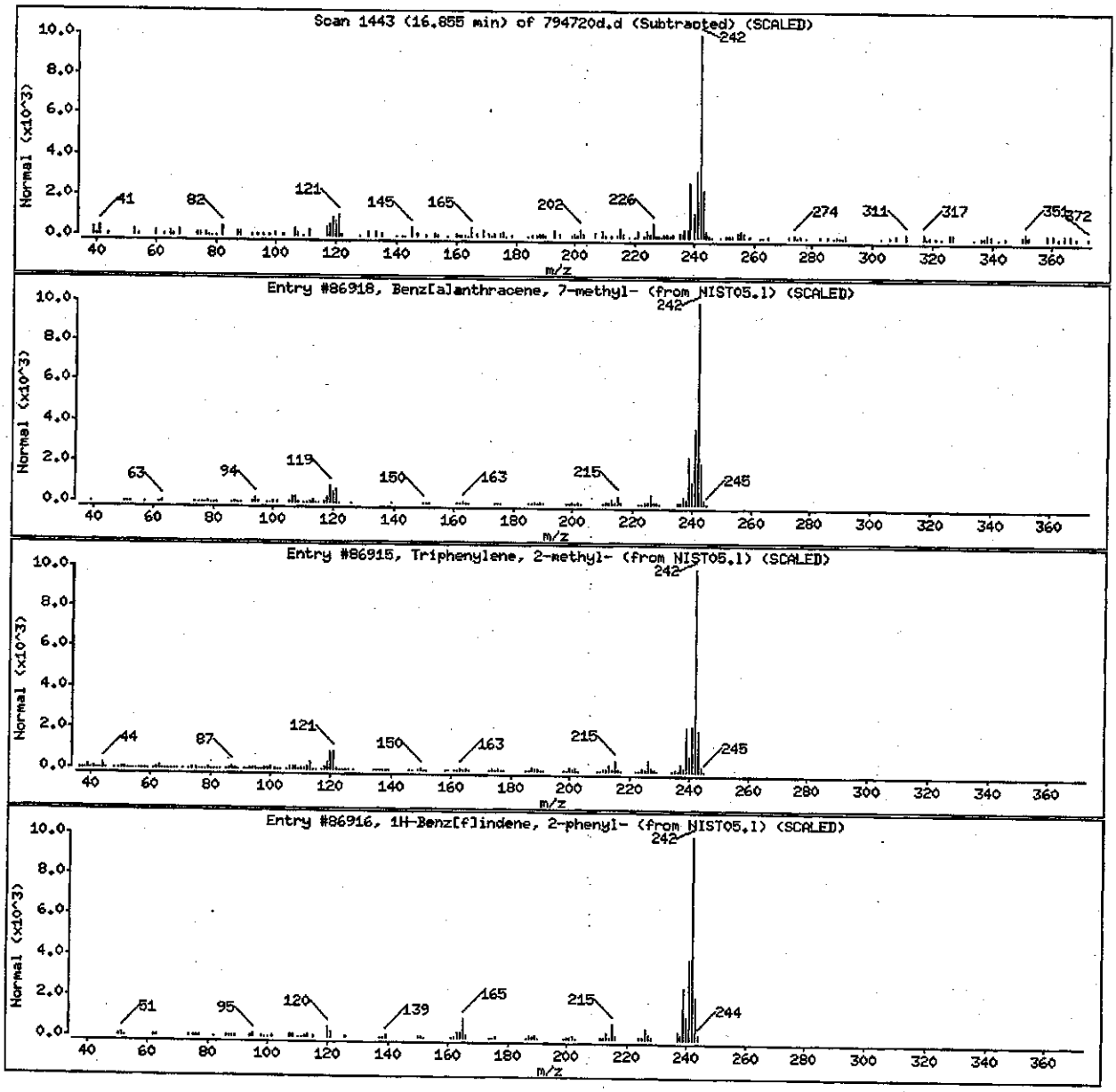
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benz[a]anthracene, 7-methyl-	2541-69-7	NIST05.1	86918	93	C19H14	242
Triphenylene, 2-methyl-	1705-84-6	NIST05.1	86915	91	C19H14	242
1H-Benz[f]indene, 2-phenyl-	1000305-22-4	NIST05.1	86916	90	C19H14	242



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Page 47

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

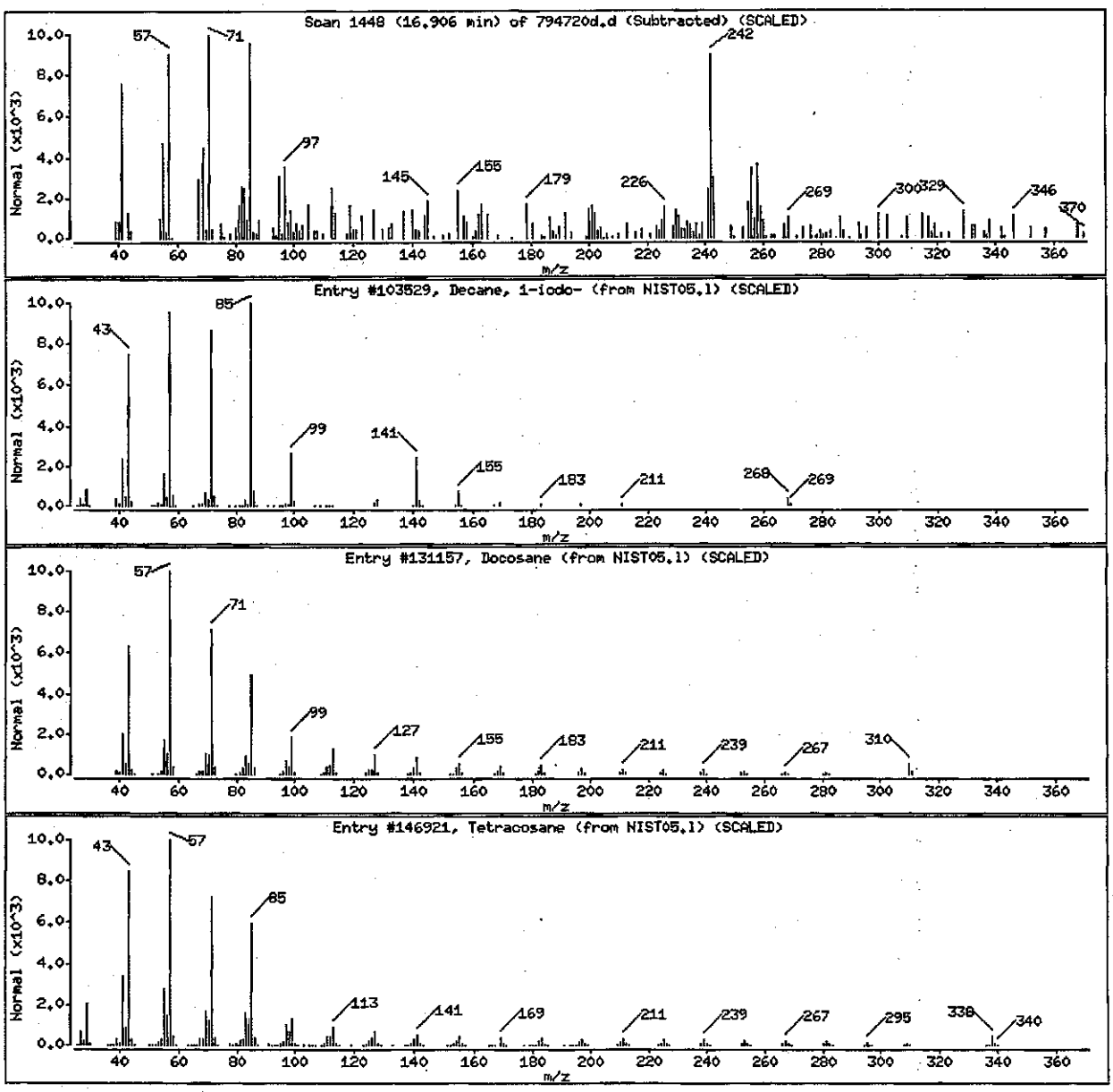
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 1-iodo-	2050-77-3	NIST05.1	103529	38	C10H21I	268
Docosane	629-97-0	NIST05.1	131157	27	C22H46	310
Tetracosane	646-31-1	NIST05.1	146921	22	C24H50	338



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[305/05/09 @1621(SEDIMENT)

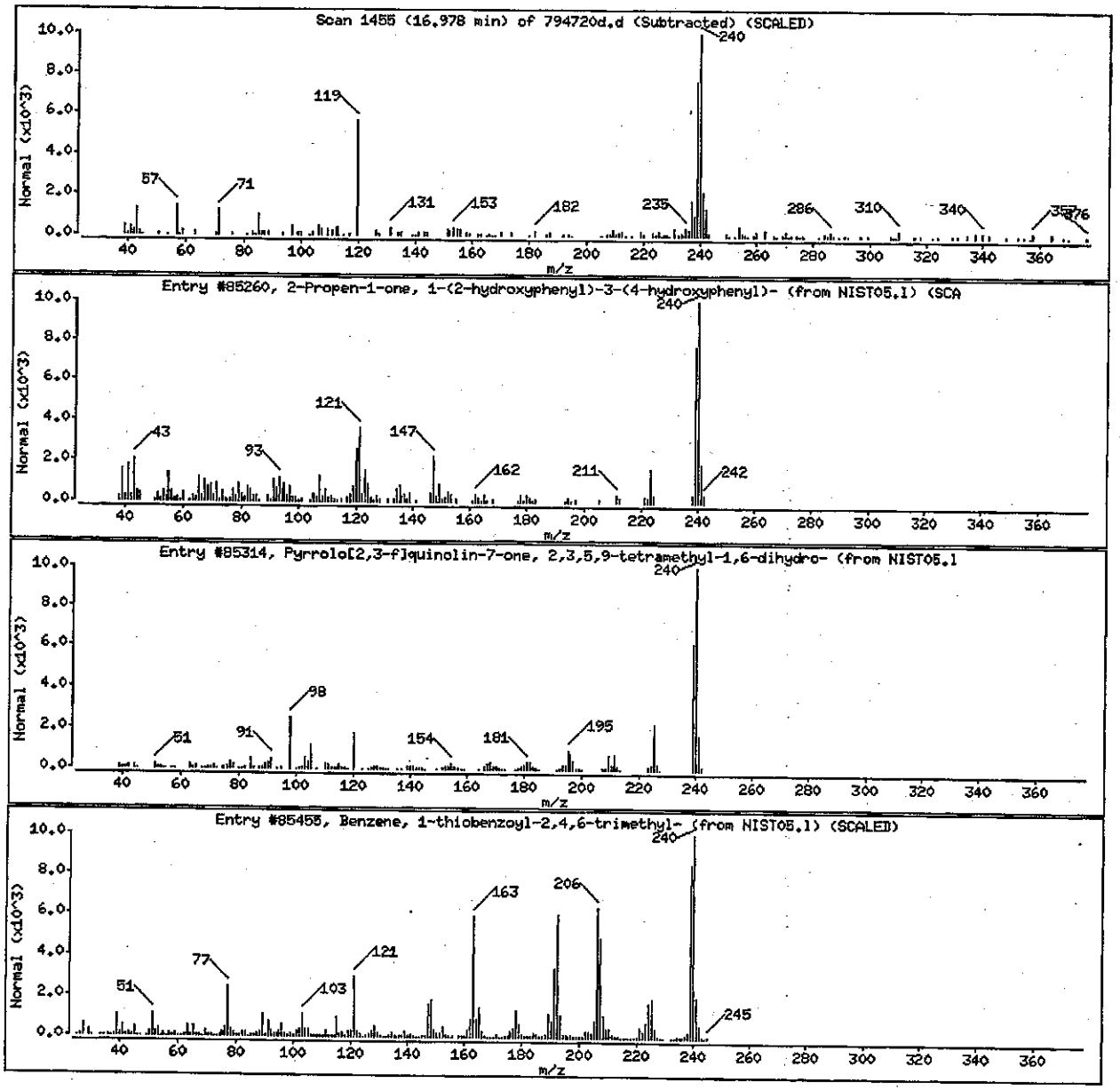
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4	13323-66-5	NIST05.1	85260	53	C15H12O3	240
Pyrrolo[2,3-f]quinolin-7-one, 2,3,5,9-te	1000302-73-0	NIST05.1	85314	40	C15H16N2O	240
Benzene, 1-thiobenzoyl-2,4,6-trimethyl-	1143-29-9	NIST05.1	85455	38	C16H16S	240



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

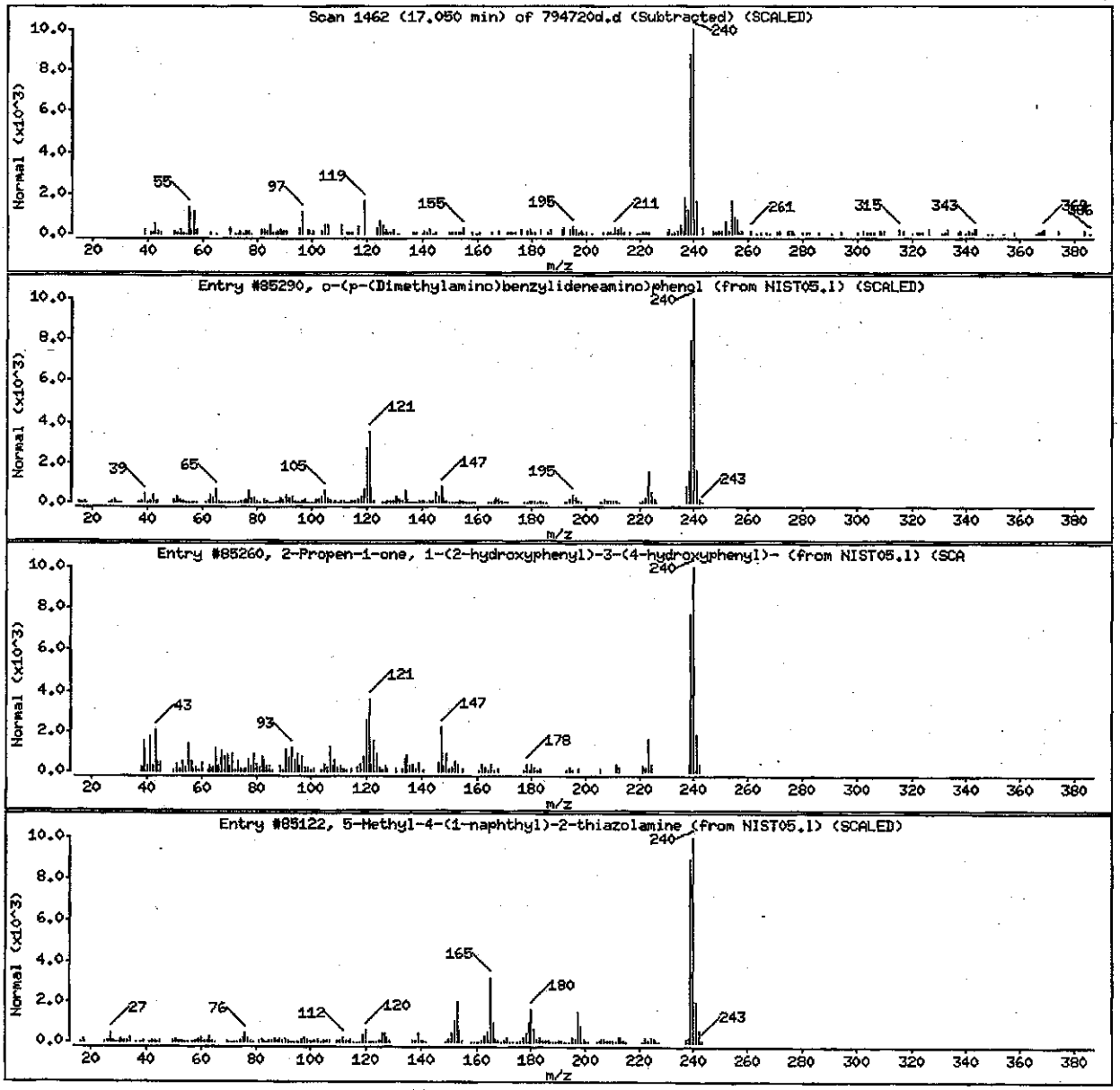
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
o-(p-(Dimethylamino)benzylideneamino)phe	23837-35-6	NIST05.1	85290	72	C15H16N20	240
2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4	13323-66-5	NIST05.1	85260	59	C15H1203	240
5-Methyl-4-(1-naphthyl)-2-thiazolamine	107411-05-2	NIST05.1	85122	45	C14H12N2S	240



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

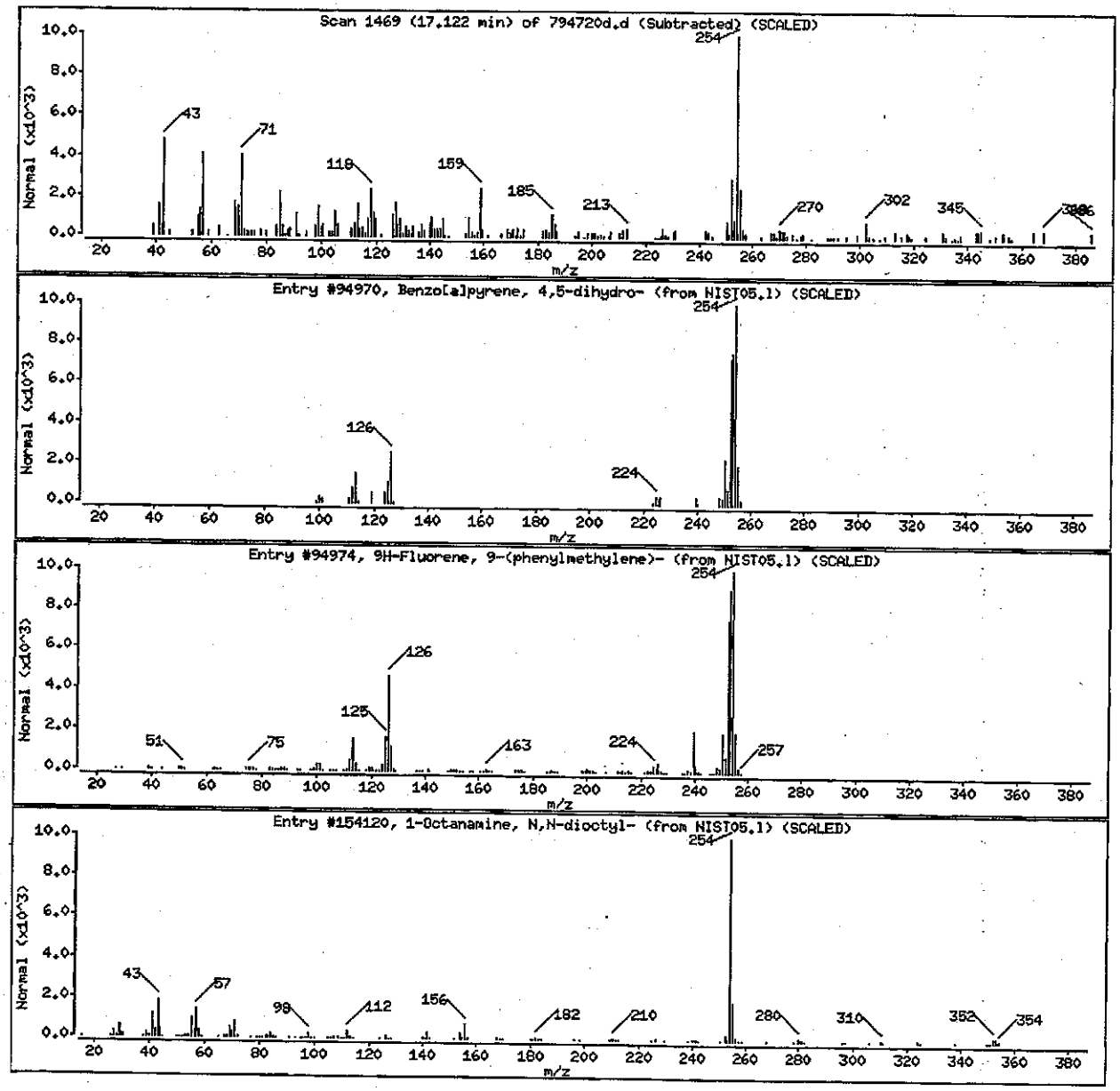
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
Benzo[a]pyrene, 4,5-dihydro-	57652-66-1	NIST05.1	94970	43	C20H14	254
9H-Fluorene, 9-(phenylmethylene)-	1836-87-9	NIST05.1	94974	42	C20H14	254
1-Octanamine, N,N-dioctyl-	1116-76-3	NIST05.1	154120	35	C24H51N	353



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

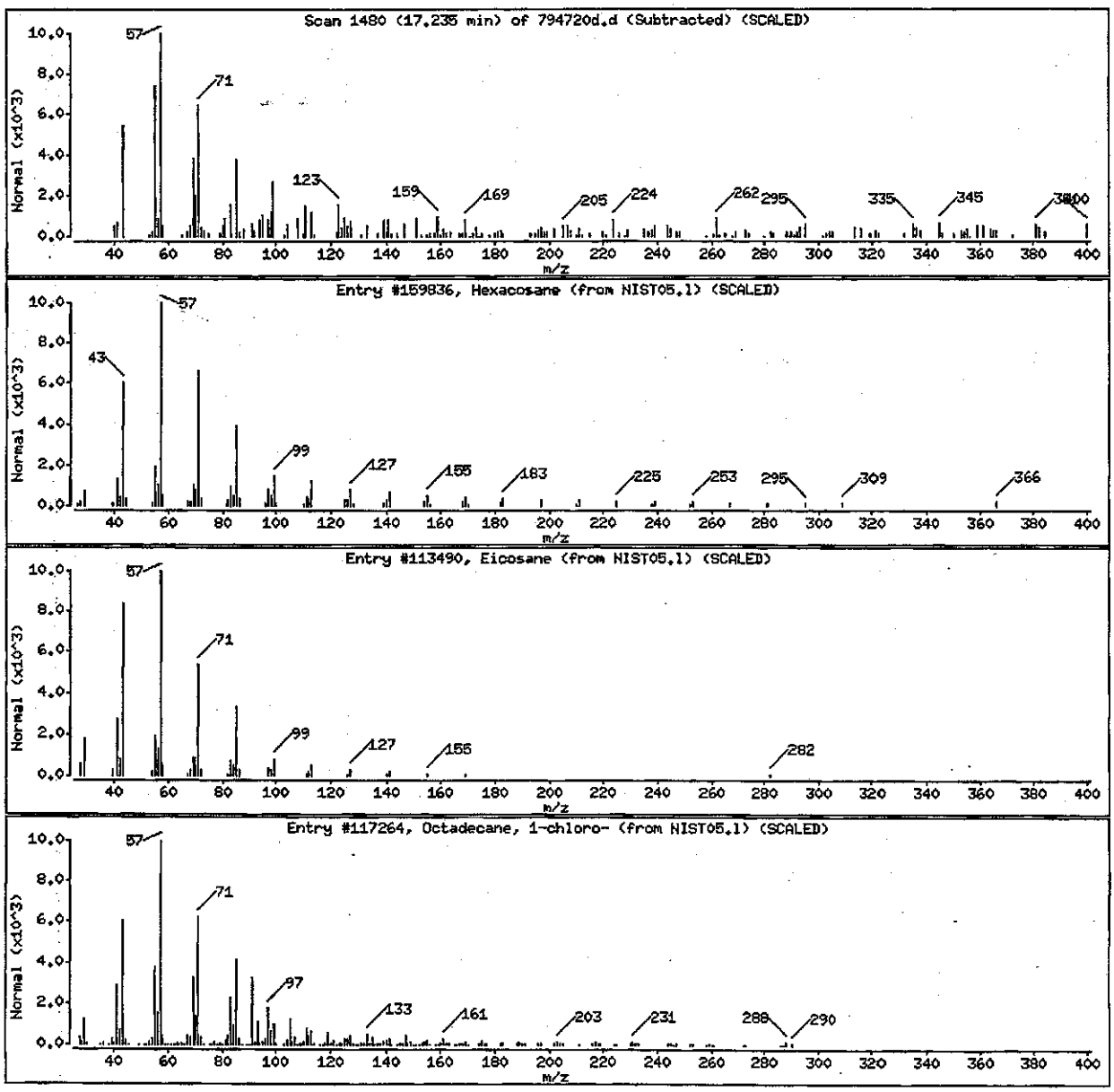
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexacosane	630-01-3	NIST05.l	159836	78	C26H54	366
Eicosane	112-95-8	NIST05.l	113490	60	C20H42	282
Octadecane, 1-chloro-	3386-33-2	NIST05.l	117264	60	C18H37Cl	288



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

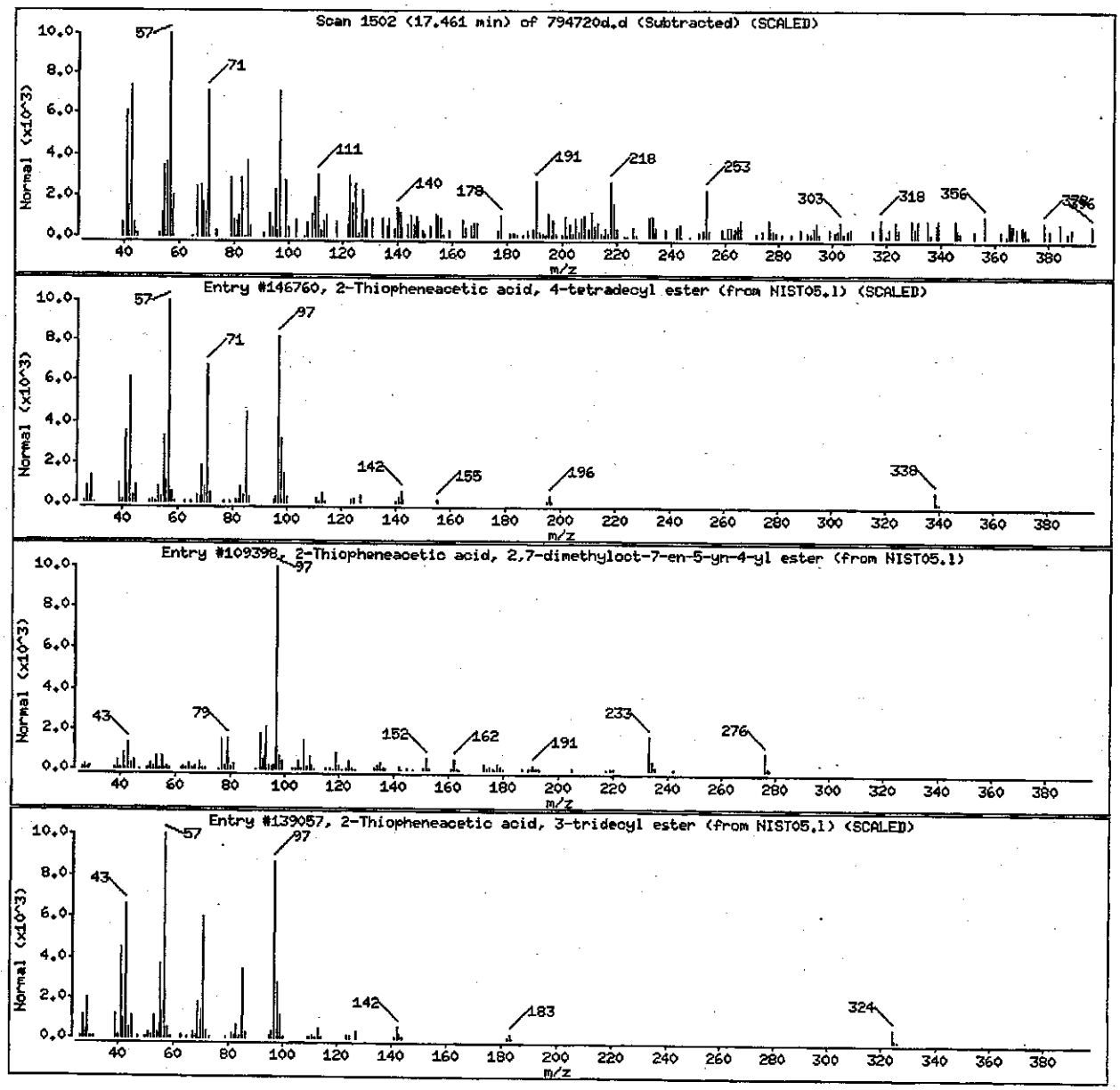
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown aliphatic compound						
2-Thiopheneacetic acid, 4-tetradecyl est	1000280-67-0	NIST05.1	146760	15	C20H34O2S	338
2-Thiopheneacetic acid, 2,7-dimethyloct-	1000299-38-8	NIST05.1	109398	14	C16H20O2S	276
2-Thiopheneacetic acid, 3-tridecyl ester	1000280-66-7	NIST05.1	139057	11	C19H32O2S	324



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

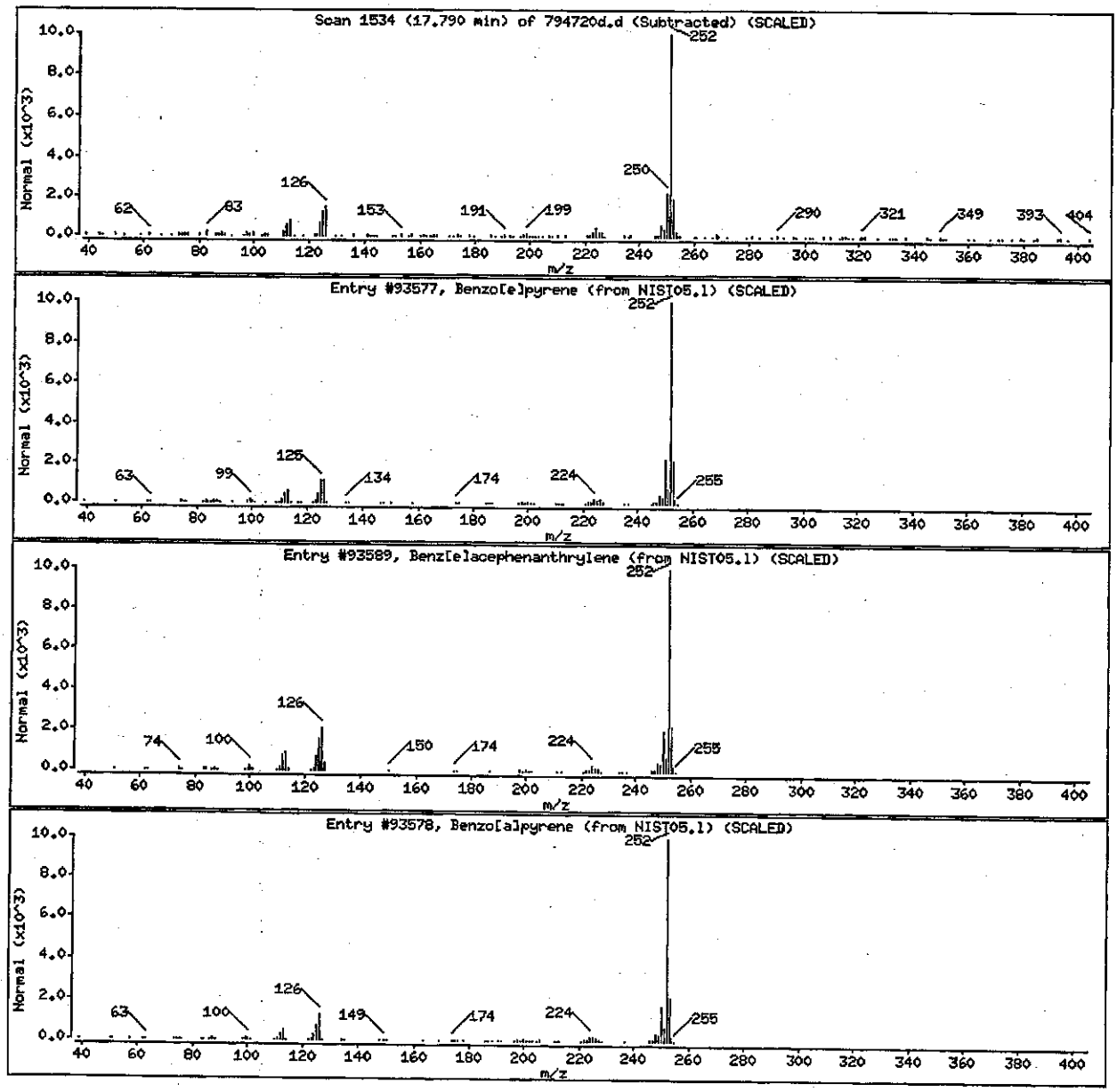
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo[e]pyrene	192-97-2	NIST05.1	93577	93	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST05.1	93589	96	C20H12	252
Benzo[a]pyrene	50-32-8	NIST05.1	93578	95	C20H12	252



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

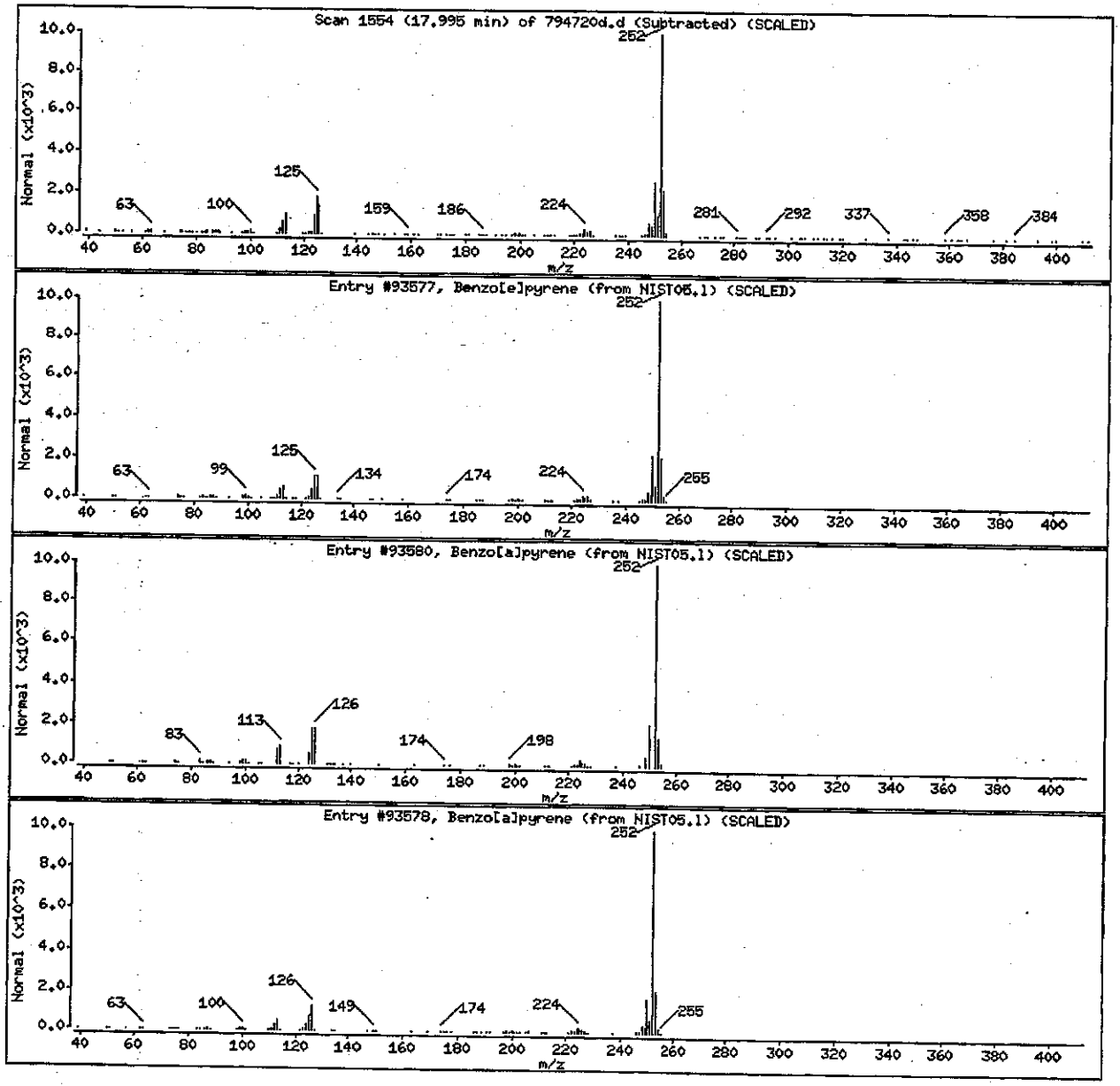
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzo[e]pyrene	192-97-2	NIST05.1	93577	98	C20H12	252
Benzo[a]pyrene	50-32-8	NIST05.1	93580	93	C20H12	252
Benzo[a]pyrene	50-32-8	NIST05.1	93578	91	C20H12	252



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

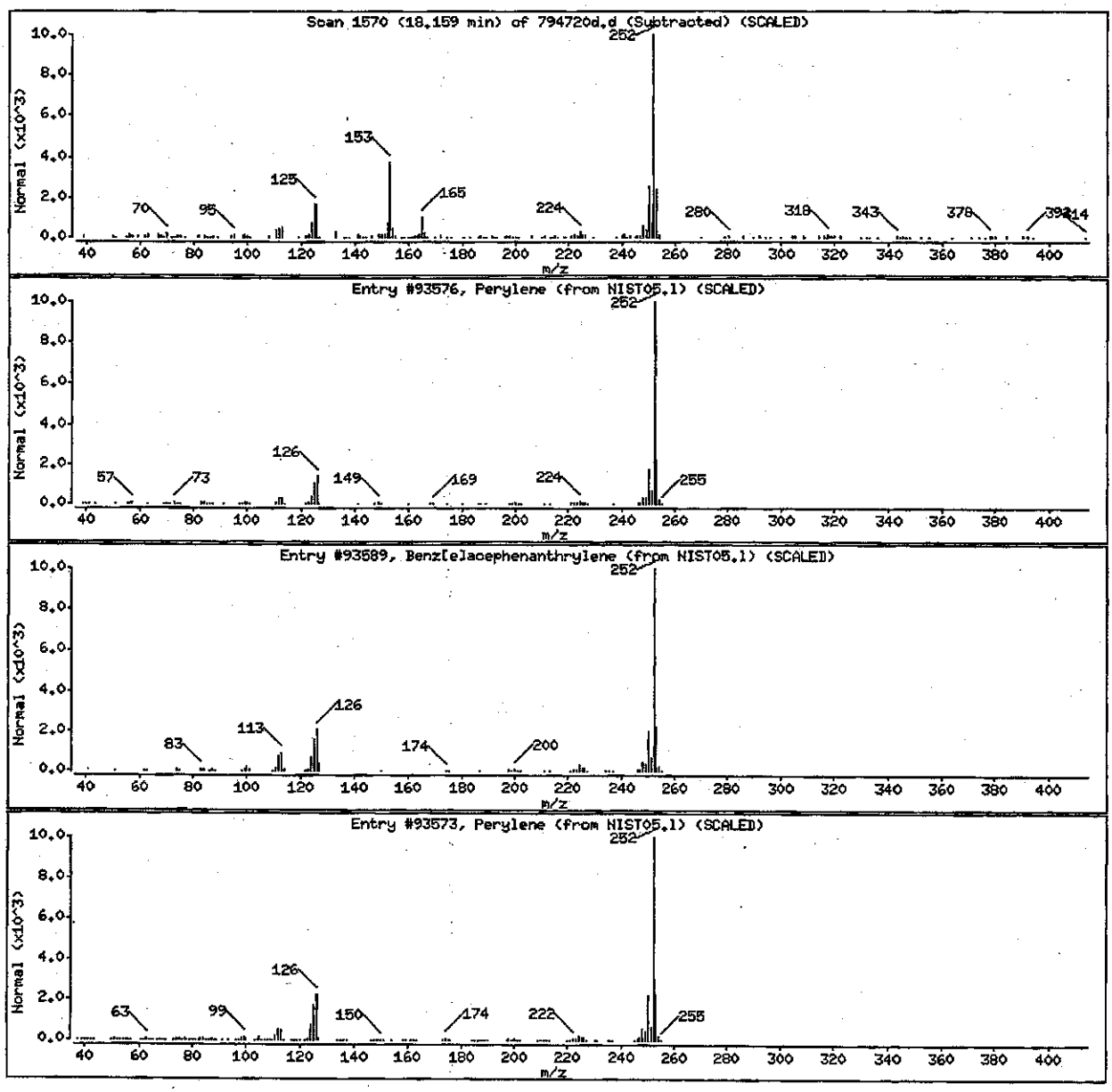
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Perylene	198-55-0	NIST05.1	93576	92	C20H12	252
Benz[e]acephenanthrylene	205-99-2	NIST05.1	93589	86	C20H12	252
Perylene	198-55-0	NIST05.1	93573	86	C20H12	252



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

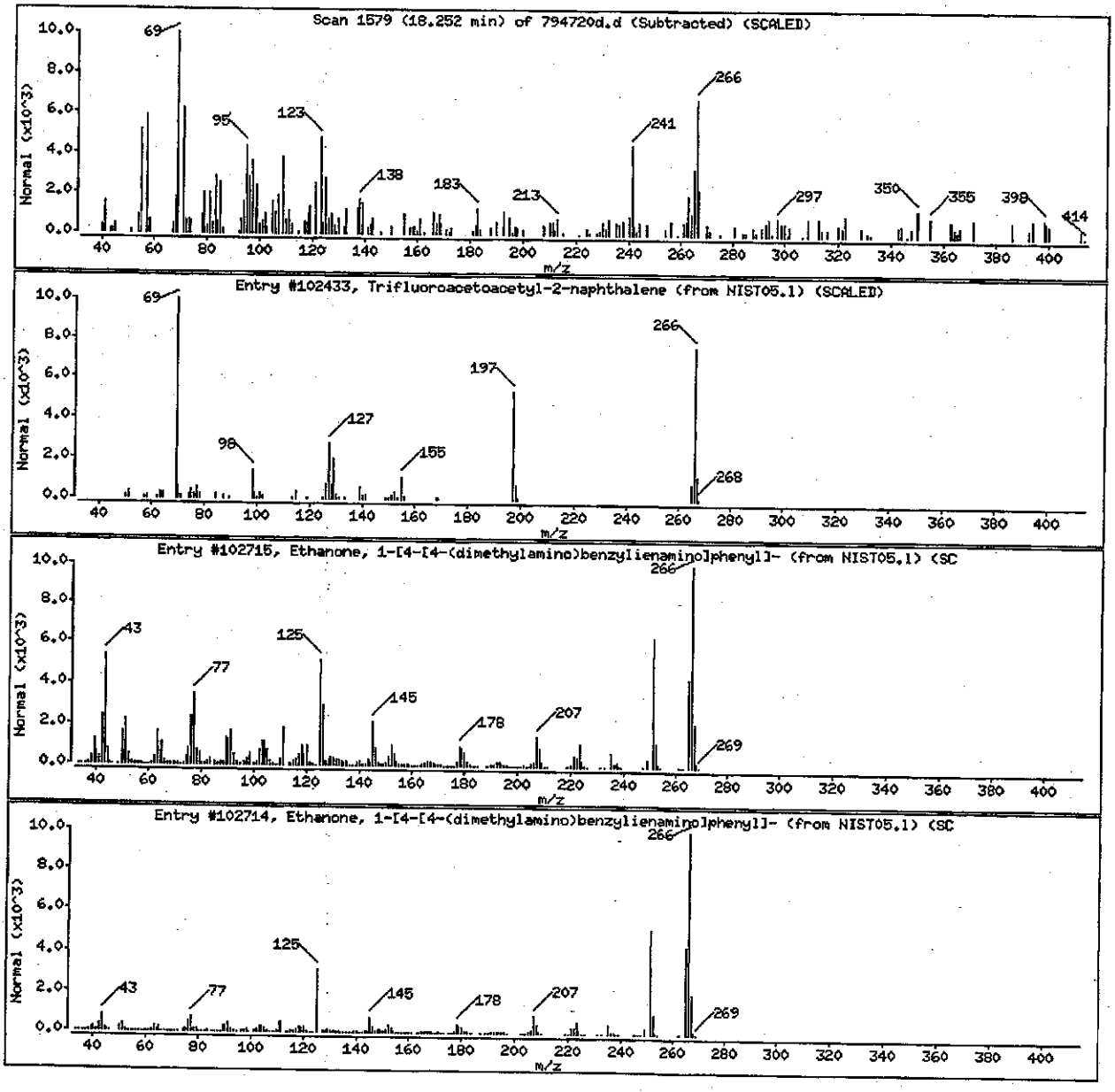
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trifluoroacetoacetyl-2-naphthalene	893-33-4	NIST05.1	102433	16	C14H9F3O2	266
Ethanone, 1-[4-[4-(dimethylamino)benzyli	38131-68-9	NIST05.1	102715	15	C17H18N2O	266
Ethanone, 1-[4-[4-(dimethylamino)benzyli	38131-68-9	NIST05.1	102714	11	C17H18N2O	266



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[105/05/09 @1621(SEDIMENT)

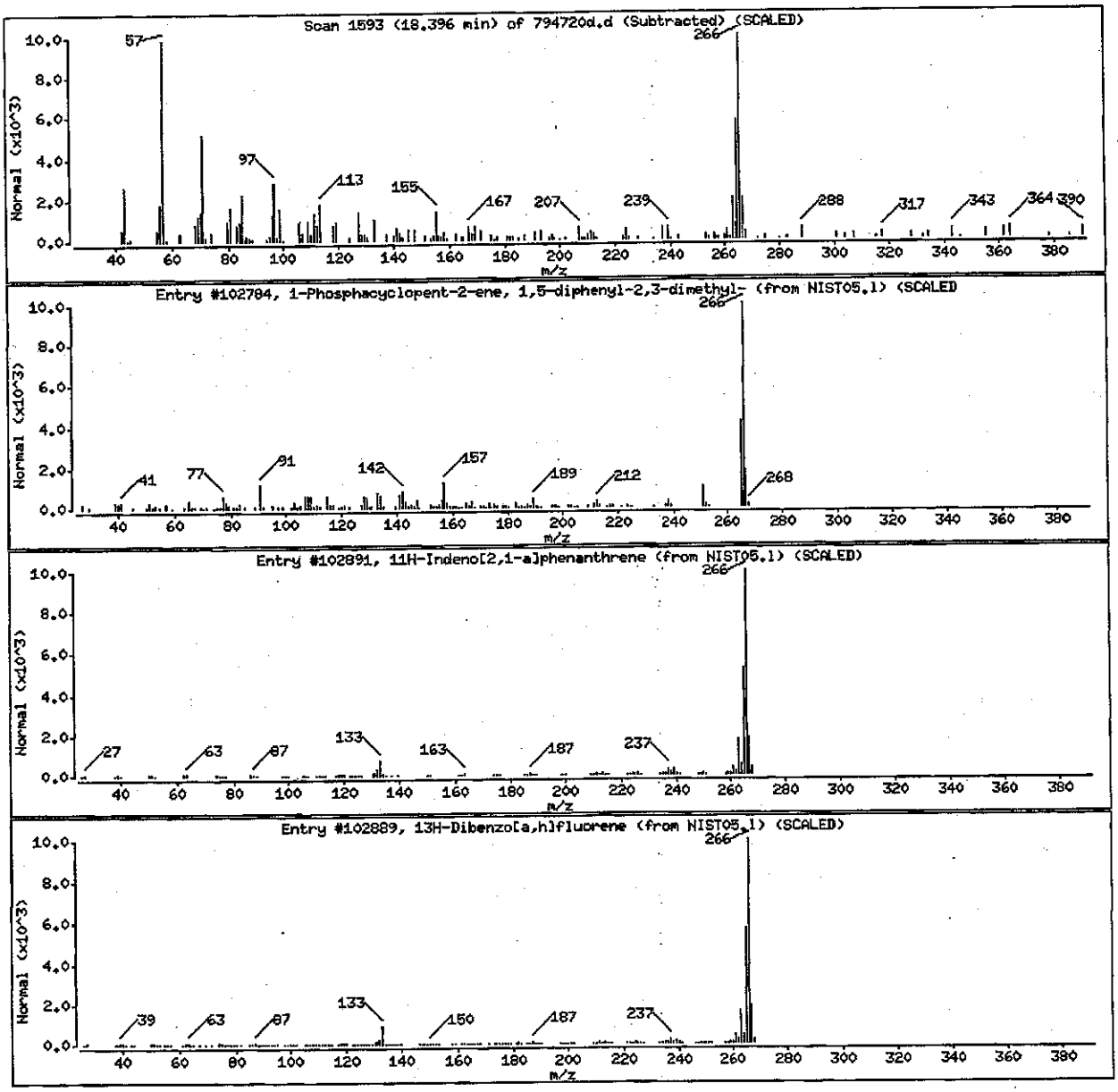
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
1-Phosphacyclopent-2-ene, 1,5-diphenyl-2	1000162-78-2	NIST05.1	102784	49	C18H19P	266
11H-Indeno[2,1-a]phenanthrene	220-97-3	NIST05.1	102891	49	C21H14	266
13H-Dibenzo[a,h]fluorene	239-85-0	NIST05.1	102889	49	C21H14	266



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

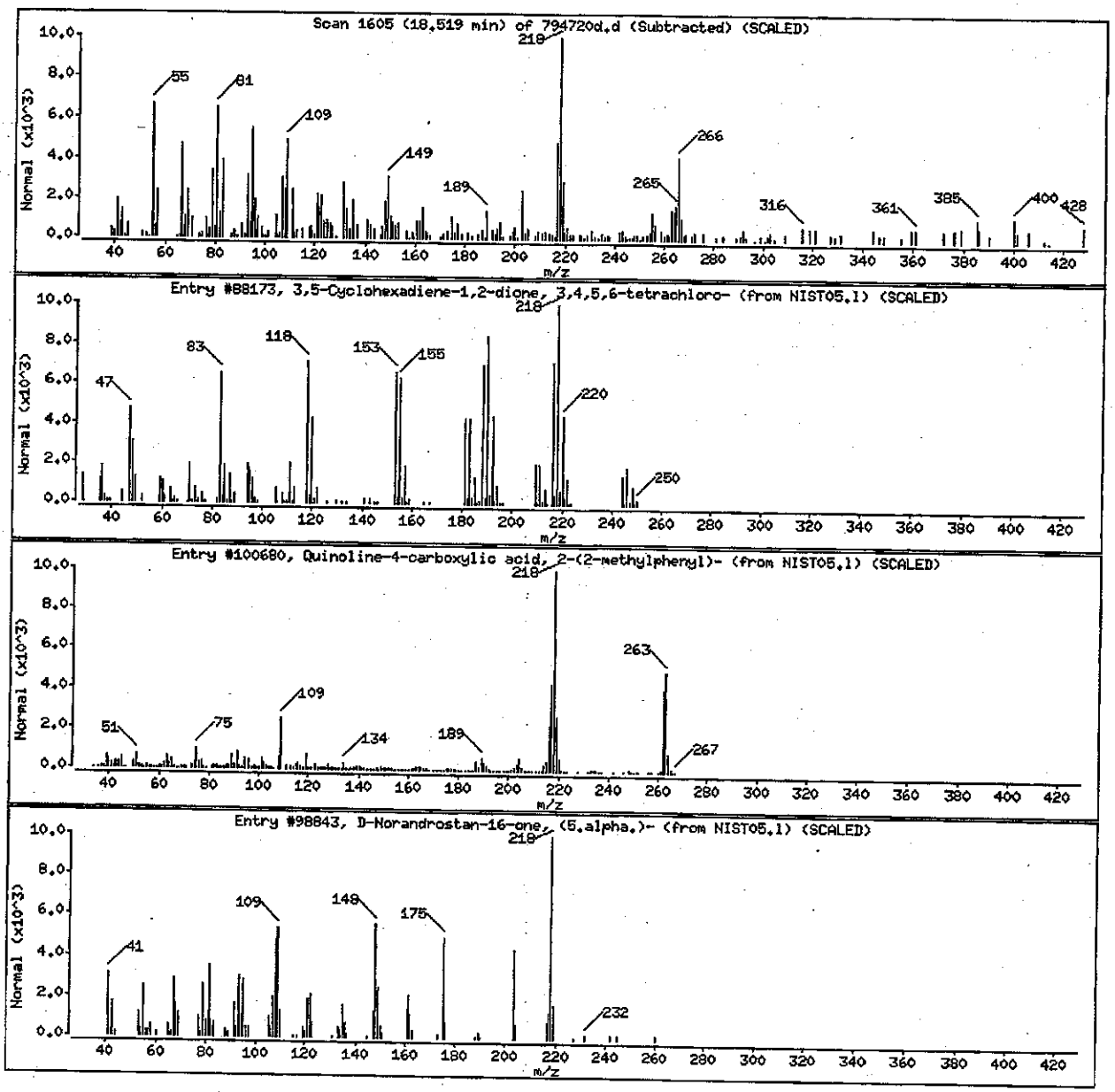
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3,5-Cyclohexadiene-1,2-dione, 3,4,5,6-te	2435-53-2	NIST05.1	88173	68	C6Cl4O2	244
Quinoline-4-carboxylic acid, 2-(2-methyl	174636-85-2	NIST05.1	100680	43	C17H13NO2	263
D-Norandrostan-16-one, (5.alpha.)-	32319-06-5	NIST05.1	98843	38	C18H28O	260



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

Date : 22-MAY-2009 16:29

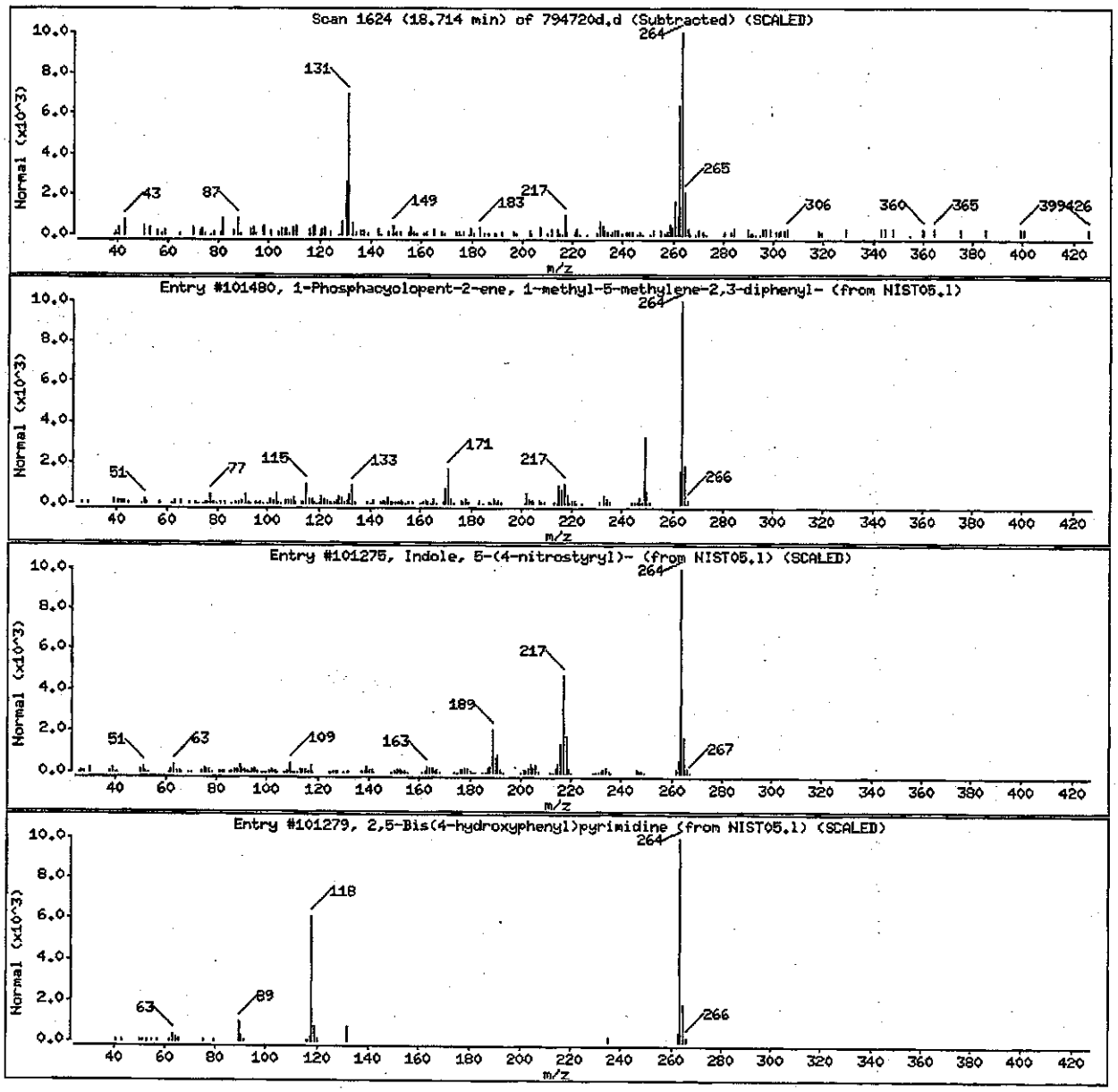
Client ID: E2QS2 Instrument: R.i

Sample Info: E2QS2 :I J05/05/09 @1621(SEDIMENT)

Volume Injected (uL): 2.0 Operator: djb

Column phase: Rxi-5ms Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown PAH						
1-Phosphacyclopent-2-ene, 1-methyl-5-met	1000161-67-7	NIST05.1	101480	38	C18H17P	264
Indole, 5-(4-nitrostyryl)-	1000151-40-1	NIST05.1	101276	35	C16H12N2O2	264
2,5-Bis(4-hydroxyphenyl)pyrimidine	159488-83-2	NIST05.1	101279	35	C16H12N2O2	264



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[ ]05/05/09 @1621(SEDIMENT)

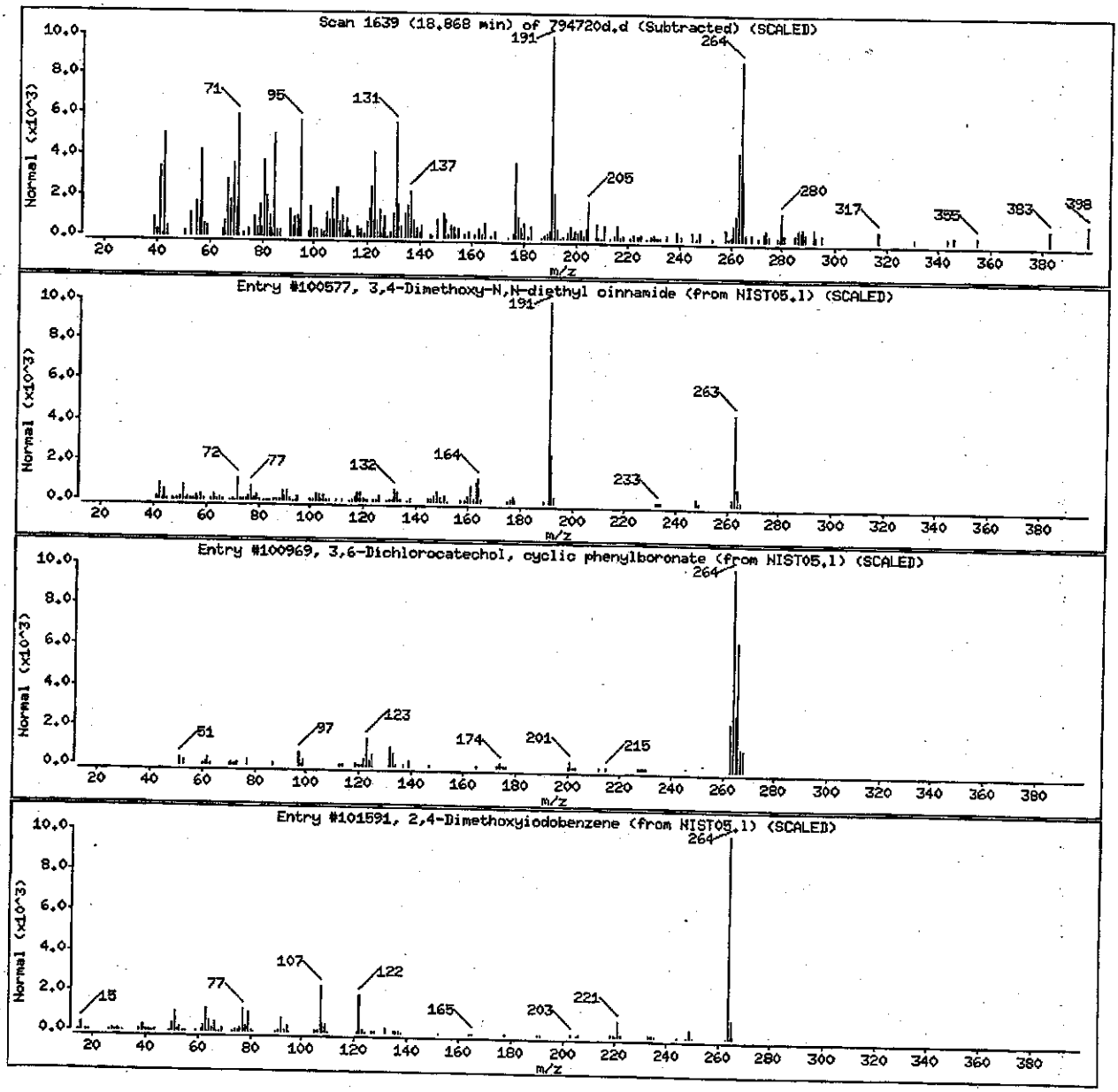
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3,4-Dimethoxy-N,N-diethyl cinnamide	185410-48-4	NIST05.1	100577	25	C15H21NO3	263
3,6-Dichlorocatechol, cyclic phenylboron	1000293-25-1	NIST05.1	100969	18	C12H7BCl2O2	264
2,4-Dimethoxyiodobenzene	20469-63-0	NIST05.1	101591	11	C8H9IO2	264



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794720d.d

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Date : 22-MAY-2009 16:29

Client ID: E2QS2

Instrument: R.i

Sample Info: E2QS2 :[J05/05/09 @1621(SEDIMENT)

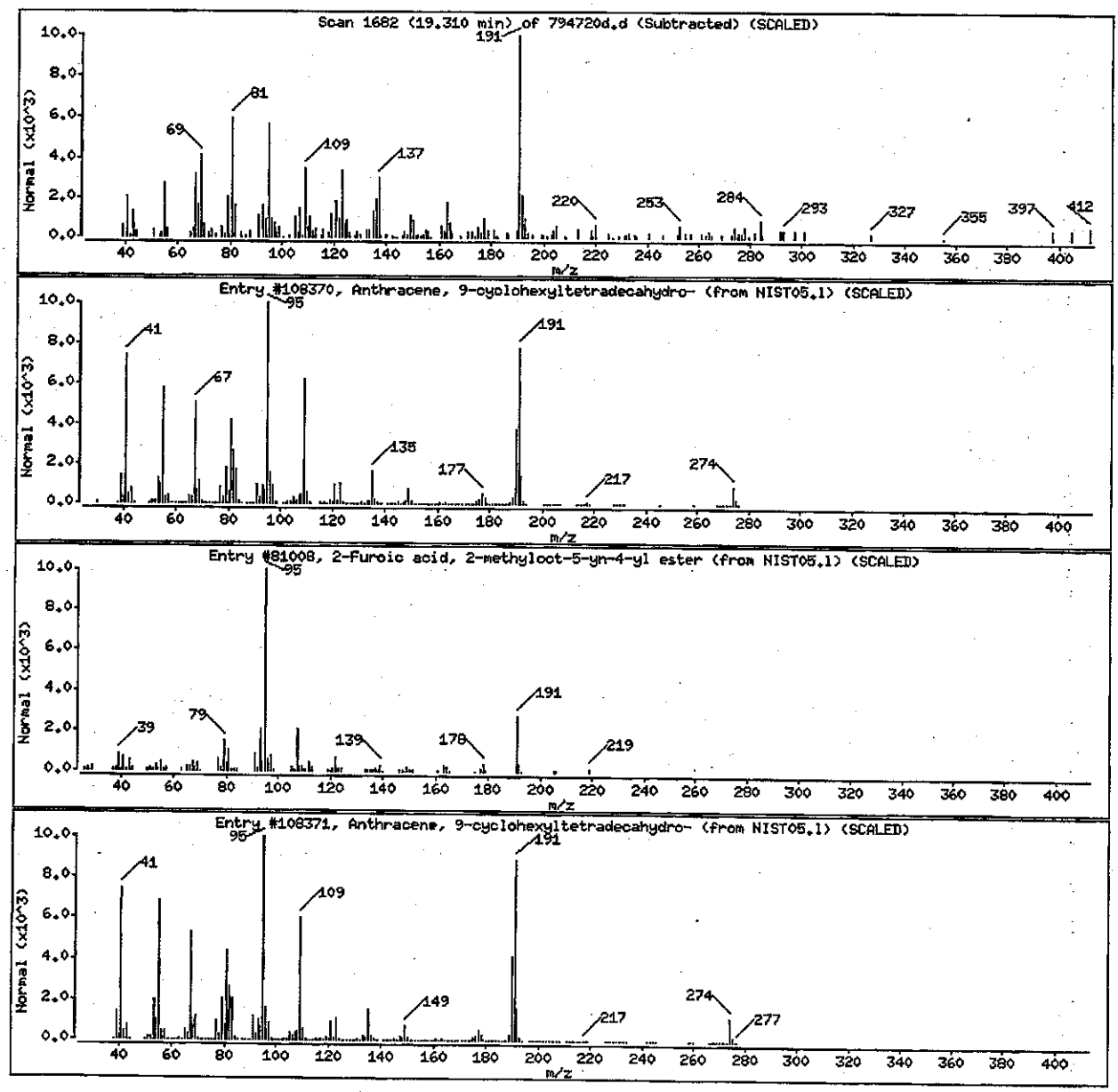
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown polycyclic hydrocarbon						
Anthracene, 9-cyclohexyltetradecahydro-	55255-70-4	NIST05.1	108370	50	C20H34	274
2-Furoic acid, 2-methyloct-5-yn-4-yl est	1000299-23-7	NIST05.1	81008	47	C14H18O3	234
Anthracene, 9-cyclohexyltetradecahydro-	55255-70-4	NIST05.1	108371	45	C20H34	274



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Standards – SOM01.2 Semivolatile

6E - FORM VI SV-1
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date(s): 05/20/2009 05/20/2009

Calibration Time(s): 1237 1458

LAB FILE ID: RRF5.0 = RFW010 RRF10 = RFW020
RRF20 = RFW040 RRF40 = RFW080 RRF80 = RFW160

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
Benzaldehyde	1.031	1.172	1.030	0.939	0.816	0.997	13.2
Phenol	2.106	1.996	1.978	1.892	1.849	1.964	5.1
Bis(2-chloroethyl)ether	1.673	1.487	1.508	1.432	1.396	1.499	7.1
2-Chlorophenol	1.634	1.506	1.511	1.466	1.428	1.509	5.1
2-Methylphenol	1.369	1.301	1.299	1.241	1.210	1.284	4.8
2,2'-Oxybis(1-chloropropane)	1.942	1.779	1.758	1.677	1.650	1.761	6.5
Acetophenone	1.732	1.944	1.764	1.744	1.727	1.782	5.1
4-Methylphenol	1.455	1.354	1.408	1.320	1.306	1.369	4.6
N-Nitroso-di-n-propylamine	1.097	1.033	1.072	1.031	0.991	1.045	3.9
Hexachloroethane	0.656	0.583	0.597	0.582	0.581	0.600	5.3
Nitrobenzene	0.418	0.389	0.389	0.365	0.369	0.386	5.5
Isophorone	0.897	0.798	0.817	0.771	0.762	0.809	6.6
2-Nitrophenol	0.242	0.229	0.230	0.221	0.224	0.229	3.5
2,4-Dimethylphenol	0.381	0.361	0.364	0.341	0.342	0.358	4.7
Bis(2-chloroethoxy)methane	0.505	0.463	0.465	0.436	0.433	0.460	6.3
2,4-Dichlorophenol	0.335	0.326	0.320	0.302	0.308	0.318	4.3
Naphthalene	1.196	1.100	1.092	1.033	1.035	1.091	6.1
4-Chloroaniline	0.547	0.507	0.507	0.485	0.470	0.503	5.8
Hexachlorobutadiene	0.202	0.185	0.187	0.173	0.173	0.184	6.5
Caprolactam	0.120	0.139	0.126	0.124	0.120	0.126	6.1
4-Chloro-3-methylphenol	0.323	0.314	0.315	0.294	0.288	0.307	5.0
2-Methylnaphthalene	0.748	0.686	0.692	0.652	0.651	0.686	5.8
Hexachlorocyclopentadiene	0.207	0.231	0.274	0.280	0.312	0.261	16.0
2,4,6-Trichlorophenol	0.443	0.416	0.430	0.390	0.403	0.416	5.0
2,4,5-Trichlorophenol	0.452	0.430	0.451	0.419	0.418	0.434	3.9
1,1'-Biphenyl	1.467	1.649	1.517	1.423	1.457	1.503	5.9
2-Chloronaphthalene	1.406	1.301	1.331	1.202	1.213	1.291	6.6
2-Nitroaniline		0.346	0.367	0.352	0.342	0.352	3.1
Dimethylphthalate	1.589	1.506	1.512	1.382	1.360	1.470	6.5
2,6-Dinitrotoluene	0.372	0.365	0.380	0.350	0.352	0.364	3.6
Acenaphthylene	2.291	2.146	2.134	1.967	1.934	2.094	7.0
3-Nitroaniline		0.419	0.435	0.403	0.381	0.410	5.6
Acenaphthene	1.389	1.287	1.283	1.190	1.179	1.266	6.7
2,4-Dinitrophenol		0.120	0.163	0.187	0.201	0.168	21.1
4-Nitrophenol		0.179	0.194	0.182	0.176	0.183	4.2
Dibenzofuran	1.951	1.788	1.784	1.660	1.635	1.764	7.1

SOM01.2

6F - FORM VI SV-2
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date(s): 05/20/2009 05/20/2009

Calibration Time(s): 1237 1458

LAB FILE ID: RRF5.0 = RFW010 RRF10 = RFW020
RRF20 = RFW040 RRF40 = RFW080 RRF80 = RFW160

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
2,4-Dinitrotoluene	0.464	0.476	0.502	0.468	0.463	0.475	3.4
Diethylphthalate	1.653	1.557	1.532	1.389	1.365	1.499	8.1
Fluorene	1.616	1.484	1.506	1.370	1.342	1.464	7.6
4-Chlorophenyl-phenylether	0.757	0.688	0.703	0.632	0.630	0.682	7.8
4-Nitroaniline		0.411	0.421	0.399	0.375	0.401	4.9
4,6-Dinitro-2-methylphenol		0.132	0.151	0.149	0.170	0.151	10.2
N-Nitrosodiphenylamine (1)	0.815	0.745	0.736	0.662	0.711	0.734	7.6
1,2,4,5-Tetrachlorobenzene	0.656	0.617	0.613	0.561	0.572	0.604	6.3
4-Bromophenyl-phenylether	0.270	0.255	0.248	0.222	0.241	0.247	7.1
Hexachlorobenzene	0.304	0.285	0.284	0.249	0.270	0.278	7.3
Atrazine	0.205	0.236	0.203	0.189	0.202	0.207	8.3
Pentachlorophenol		0.156	0.165	0.157	0.170	0.162	4.0
Phenanthrene	1.331	1.232	1.224	1.074	1.137	1.199	8.2
Anthracene	1.337	1.227	1.229	1.084	1.139	1.203	8.1
Carbazole	1.288	1.213	1.180	1.048	1.051	1.156	9.1
Di-n-butylphthalate	1.685	1.579	1.567	1.393	1.464	1.538	7.3
Fluoranthene	1.297	1.213	1.181	1.052	1.042	1.157	9.4
Pyrene	1.521	1.431	1.433	1.264	1.361	1.402	6.8
Butylbenzylphthalate	0.721	0.710	0.735	0.662	0.699	0.705	3.9
3,3'-Dichlorobenzidine	0.390	0.423	0.448	0.398	0.398	0.412	5.8
Benzo(a)anthracene	1.255	1.209	1.182	1.052	1.097	1.159	7.2
Chrysene	1.236	1.134	1.084	0.977	1.008	1.088	9.5
Bis(2-ethylhexyl)phthalate	0.937	0.937	0.964	0.889	0.941	0.934	2.9
Di-n-octylphthalate	1.818	1.816	1.874	1.613	1.432	1.711	10.8
Benzo(b)fluoranthene	1.466	1.149	1.220	1.006	1.003	1.169	16.3
Benzo(k)fluoranthene	1.554	1.655	1.550	1.413	1.233	1.481	11.0
Benzo(a)pyrene	1.243	1.168	1.183	1.045	1.066	1.141	7.3
Indeno(1,2,3-cd)pyrene	1.214	1.198	1.330	1.358	1.649	1.350	13.4
Dibenzo(a,h)anthracene	1.008	0.994	1.115	1.125	1.354	1.119	12.9
Benzo(g,h,i)perylene	1.096	1.030	1.148	1.235	1.431	1.188	13.0
2,3,4,6-Tetrachlorophenol	0.402	0.381	0.386	0.354	0.346	0.374	6.2

(1) Cannot be separated from Diphenylamine

SOM01.2

6G - FORM VI SV-3
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date(s): 05/20/2009 05/20/2009

Calibration Time(s): 1237 1458

LAB FILE ID: RRF5.0 = RFW010 RRF10 = RFW020
RRF20 = RFW040 RRF40 = RFW080 RRF80 = RFW160

COMPOUND	RRF5.0	RRF10	RRF20	RRF40	RRF80	$\overline{RRF}$	%RSD
Phenol-d5	0.579	0.615	0.587	0.576	0.578	0.587	2.8
Bis(2-chloroethyl)ether-d8	1.236	1.277	1.229	1.201	1.182	1.225	2.9
2-Chlorophenol-d4	1.493	1.605	1.595	1.546	1.540	1.556	2.9
4-Methylphenol-d8	1.182	1.267	1.246	1.223	1.199	1.223	2.8
Nitrobenzene-d5	0.191	0.211	0.212	0.208	0.213	0.207	4.4
2-Nitrophenol-d4	0.203	0.231	0.233	0.229	0.234	0.226	5.7
2,4-Dichlorophenol-d3	0.340	0.362	0.359	0.345	0.345	0.350	2.9
4-Chloroaniline-d4	0.506	0.526	0.523	0.499	0.503	0.511	2.4
Dimethylphthalate-d6	1.474	1.535	1.534	1.417	1.419	1.476	4.0
Acenaphthylene-d8	2.081	2.163	2.155	1.997	2.012	2.082	3.7
4-Nitrophenol-d4		0.377	0.384	0.372	0.356	0.372	3.2
Fluorene-d10	1.219	1.268	1.271	1.297	1.272	1.265	2.2
4,6-Dinitro-2methylphenol-d2		0.130	0.155	0.158	0.183	0.156	13.9
Anthracene-d10	1.234	1.238	1.178	1.058	1.134	1.168	6.4
Pyrene-d10	1.066	1.201	1.158	1.031	1.115	1.114	6.1
Benzo(a)pyrene-d12	0.972	1.018	1.020	0.913	0.928	0.970	5.1

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw160.d
Date : 20-MAY-2009 12:37
Client ID: SSTD080FW
Sample Info: SSTD080FW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

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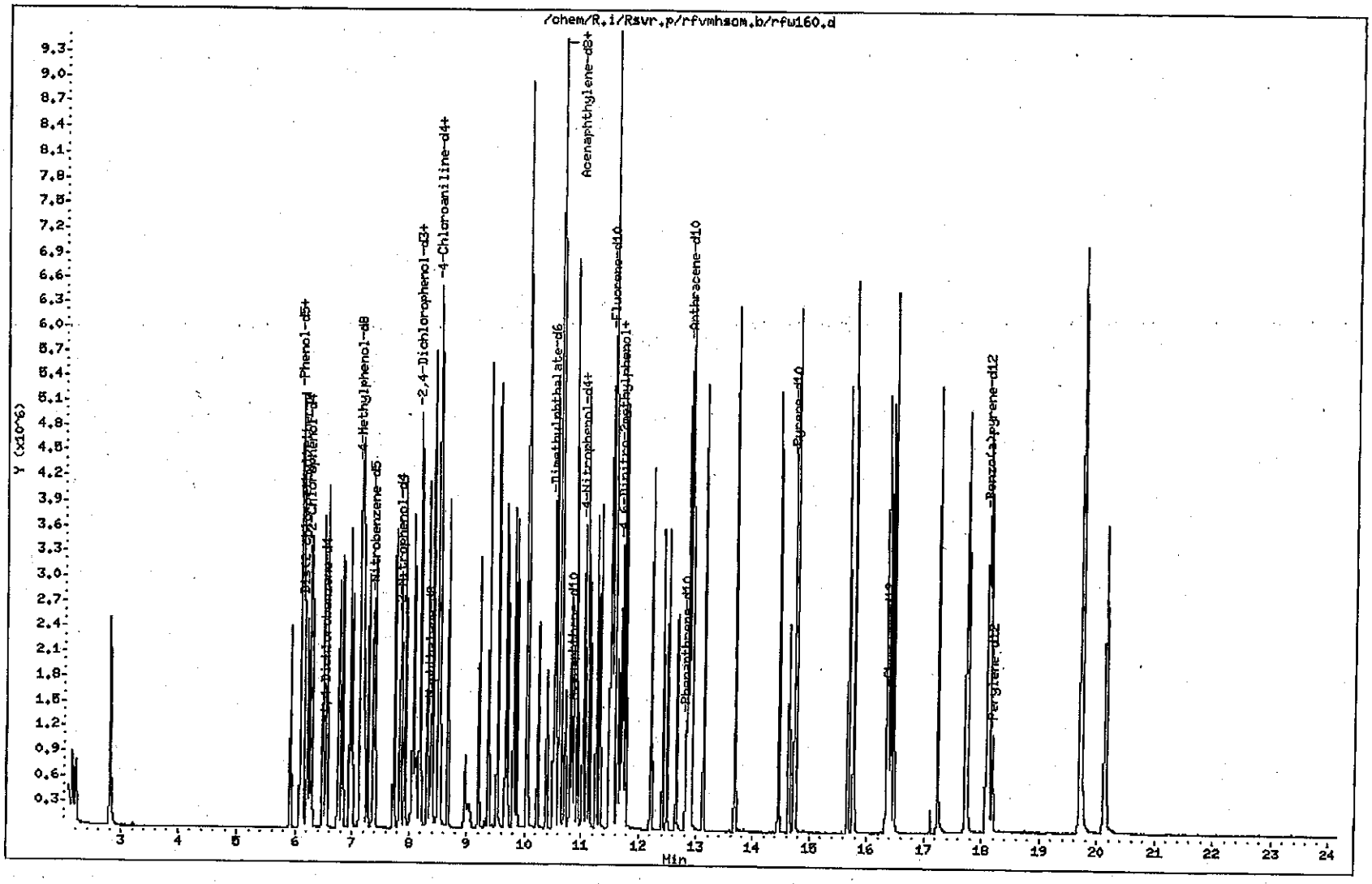
Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw160.d
Report Date: 21-May-2009 09:29

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvmhsom.b/rfw160.d
Lab Smp Id: SSTD080FW Client Smp ID: SSTD080FW
Inj Date : 20-MAY-2009 12:37
Operator : djb Inst ID: R.i
Smp Info : SSTD080FW
Misc Info : SSTD080FW
Comment :
Method : /chem/R.i/Rsvr.p/rfvmhsom.b/fsom12.m
Meth Date : 21-May-2009 09:29 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	4 Benzaldehyde	77	5.911	5.899	(0.906)	778459	160.000	130
$	5 Phenol-d5	71	6.086	6.064	(0.932)	551304	160.000	160
	6 Phenol	94	6.096	6.084	(0.934)	1764782	160.000	150
$	7 Bis(2-chloroethyl)ether-d8	67	6.137	6.125	(0.940)	1128194	160.000	150
	8 Bis(2-chloroethyl)ether	93	6.199	6.187	(0.950)	1332119	160.000	150
$	9 2-Chlorophenol-d4	132	6.250	6.238	(0.958)	1469270	160.000	160
	10 2-Chlorophenol	128	6.270	6.259	(0.961)	1362803	160.000	150
*	11 1,4-Dichlorobenzene-d4	152	6.527	6.516	(1.000)	238587	40.0000	
	13 2-Methylphenol	108	6.948	6.937	(1.064)	1154617	160.000	150
	14 2,2'-Oxybis(1-chloropropane)	45	6.989	6.978	(1.071)	1574440	160.000	150
$	15 4-Methylphenol-d8	113	7.133	7.111	(1.093)	1143891	160.000	160
	16 Acetophenone	105	7.154	7.132	(1.096)	1648427	160.000	160
	17 4-Methylphenol	108	7.164	7.152	(1.098)	1246529	160.000	150

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw160.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.205	7.173	(1.104)	945788	160.000	150
	20 Hexachloroethane	117	7.267	7.255	(1.113)	554397	160.000	150
$	21 Nitrobenzene-d5	128	7.369	7.358	(0.881)	760336	160.000	160(A)
	22 Nitrobenzene	77	7.390	7.378	(0.883)	1319124	160.000	150
	23 Isophorone	82	7.739	7.717	(0.925)	2726860	160.000	150
$	24 2-Nitrophenol-d4	143	7.832	7.820	(0.936)	837378	160.000	170(A)
	25 2-Nitrophenol	139	7.852	7.840	(0.939)	800064	160.000	160
	26 2,4-Dimethylphenol	107	7.924	7.912	(0.947)	1224795	160.000	150
	27 Bis(2-chloroethoxy)methane	93	8.058	8.046	(0.963)	1548749	160.000	150
$	28 2,4-Dichlorophenol-d3	165	8.171	8.159	(0.977)	1232148	160.000	160
	29 2,4-Dichlorophenol	162	8.191	8.179	(0.979)	1099742	160.000	150
*	30 Naphthalene-d8	136	8.366	8.354	(1.000)	894098	40.0000	
	31 Naphthalene	128	8.396	8.385	(1.004)	3700444	160.000	150
$	32 4-Chloroaniline-d4	131	8.499	8.477	(1.016)	1799091	160.000	160
	33 4-Chloroaniline	127	8.509	8.498	(1.017)	1679323	160.000	150
	34 Hexachlorobutadiene	225	8.663	8.662	(1.036)	620334	160.000	150
	35 Caprolactam	113	8.972	8.919	(1.072)	427384	160.000	150
	36 4-Chloro-3-methylphenol	107	9.208	9.186	(1.101)	1028870	160.000	150
	37 2-Methylnaphthalene	142	9.372	9.361	(1.120)	2327243	160.000	150
	38 1,2,4,5-Tetrachlorobenzene	216	9.660	9.658	(0.892)	1094686	160.000	150
	39 Hexachlorocyclopentadiene	237	9.701	9.689	(0.896)	596667	160.000	190(A)
	40 2,4,6-Trichlorophenol	196	9.803	9.792	(0.905)	770985	160.000	150
	41 2,4,5-Trichlorophenol	196	9.855	9.843	(0.910)	799388	160.000	150
	42 1,1'-Biphenyl	154	10.029	10.028	(0.926)	2788496	160.000	160
	43 2-Chloronaphthalene	162	10.040	10.038	(0.927)	2322072	160.000	150
	44 2-Nitroaniline	65	10.225	10.213	(0.944)	655510	160.000	160
$	45 Dimethylphthalate-d6	166	10.502	10.490	(0.970)	2715231	160.000	150
	46 Dimethylphthalate	163	10.533	10.521	(0.972)	2603188	160.000	150
$	47 Acenaphthylene-d8	160	10.615	10.593	(0.980)	3852057	160.000	150
	48 Acenaphthylene	152	10.625	10.614	(0.981)	3702138	160.000	150
	49 2,6-Dinitrotoluene	165	10.625	10.603	(0.981)	672832	160.000	150
	50 3-Nitroaniline	138	10.800	10.788	(0.997)	730097	160.000	150
*	51 Acenaphthene-d10	164	10.831	10.829	(1.000)	478518	40.0000	(TQ)
	52 Acenaphthene	153	10.882	10.870	(1.005)	2256909	160.000	150
	53 2,4-Dinitrophenol	184	10.933	10.922	(1.009)	385153	160.000	190(AQ)
$	54 4-Nitrophenol-d4	143	11.036	11.004	(1.019)	681595	160.000	150
	55 4-Nitrophenol	109	11.046	11.014	(1.020)	337574	160.000	150
	56 Dibenzofuran	168	11.098	11.086	(1.025)	3129971	160.000	150
	57 2,4-Dinitrotoluene	165	11.149	11.137	(1.029)	886409	160.000	160
	58 2,3,4,6-Tetrachlorophenol	232	11.324	11.312	(1.046)	661660	160.000	150
	59 Diethylphthalate	149	11.498	11.486	(1.062)	2612051	160.000	150
$	60 Fluorene-d10	176	11.529	11.517	(1.064)	2435317	160.000	160(A)
	61 Fluorene	166	11.570	11.548	(1.068)	2569425	160.000	150
	62 4-Chlorophenyl-phenylether	204	11.570	11.558	(1.068)	1206288	160.000	150
	63 4-Nitroaniline	138	11.642	11.620	(1.075)	718621	160.000	150
$	64 4,6-Dinitro-2methylphenol-d2	200	11.693	11.671	(0.908)	553376	160.000	190(A)
	65 4,6-Dinitro-2-methylphenol	198	11.704	11.682	(0.913)	513271	160.000	180(AQM)

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw160.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.734	11.723	(0.911)	2148228	160.000	150
	67 4-Bromophenyl-phenylether	248	12.217	12.216	(0.948)	729252	160.000	160
	68 Hexachlorobenzene	284	12.422	12.411	(0.964)	814818	160.000	150
	69 Atrazine	200	12.505	12.483	(0.970)	611335	160.000	160
	70 Pentachlorophenol	266	12.659	12.647	(0.982)	513012	160.000	170(A)
*	71 Phenanthrene-d10	188	12.813	12.811	(1.000)	755621	40.0000	(H)
	72 Phenanthrene	178	12.854	12.842	(0.998)	3436151	160.000	150(H)
$	73 Anthracene-d10	188	12.885	12.873	(1.000)	3426865	160.000	160
	74 Anthracene	178	12.915	12.904	(1.002)	3442400	160.000	150
	75 Carbazole	167	13.131	13.119	(1.019)	3178056	160.000	150
	76 Di-n-butylphthalate	149	13.675	13.664	(1.061)	4424768	160.000	150
	77 Fluoranthene	202	14.446	14.434	(1.121)	3150064	160.000	140
$	78 Pyrene-d10	212	14.723	14.711	(0.900)	2715003	160.000	160(A)
	79 Pyrene	202	14.754	14.742	(0.901)	3313649	160.000	160
	80 Butylbenzylphthalate	149	15.668	15.656	(0.957)	1701428	160.000	160
	81 3,3'-Dichlorobenzidine	252	16.335	16.324	(0.998)	969863	160.000	150
	82 Benzo(a)anthracene	228	16.346	16.334	(0.999)	2671939	160.000	150
*	83 Chrysene-d12	240	16.366	16.365	(1.000)	608835	40.0000	
	84 Chrysene	228	16.407	16.396	(1.002)	2453853	160.000	150
	85 Bis(2-ethylhexyl)phthalate	149	16.459	16.447	(1.006)	2291828	160.000	160(A)
	86 Di-n-octylphthalate	149	17.229	17.217	(0.948)	3678742	160.000	130
	87 Benzo(b)fluoranthene	252	17.712	17.700	(0.975)	2577307	160.000	140
	88 Benzo(k)fluoranthene	252	17.742	17.731	(0.976)	3169062	160.000	130
$	89 Benzo(a)pyrene-d12	264	18.081	18.070	(0.995)	2385340	160.000	150
	90 Benzo(a)pyrene	252	18.112	18.101	(0.997)	2740369	160.000	150
*	91 Perylene-d12	264	18.174	18.162	(1.000)	642380	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.704	19.672	(1.084)	4237032	160.000	200(A)
	93 Dibenzo(a,h)anthracene	278	19.725	19.682	(1.085)	3478010	160.000	190(A)
	94 Benzo(g,h,i)perylene	276	20.146	20.103	(1.109)	3675985	160.000	190(A)

QC Flag Legend

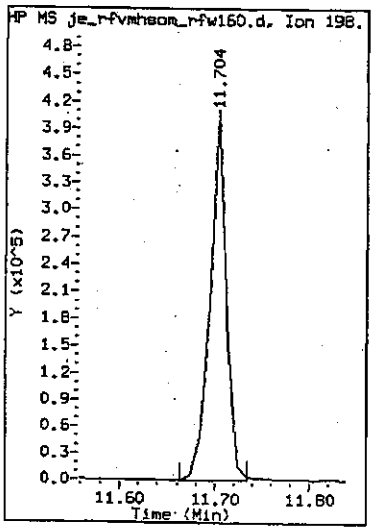
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

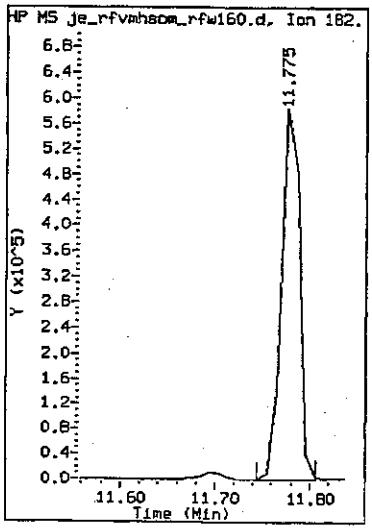
MANUAL INTEGRATION REPORT

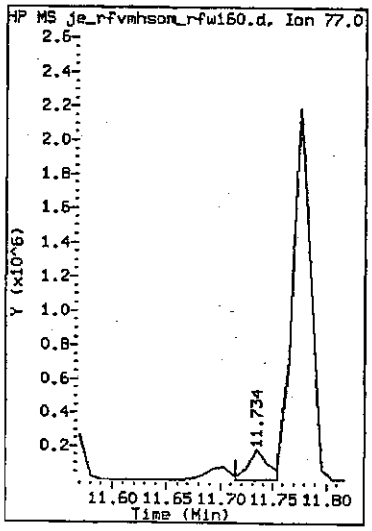
Data File Name: rfw160.d
Client Sample ID: SSTD080FW
Compound Name: 4,6-Dinitro-2-methylphenolCAS #: 534-52-1

Inj. Date and Time: 20-MAY-2009 12:37
Instrument ID: R.i

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/21/2009 09:29

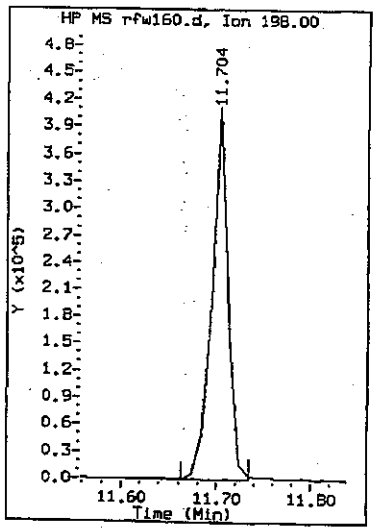


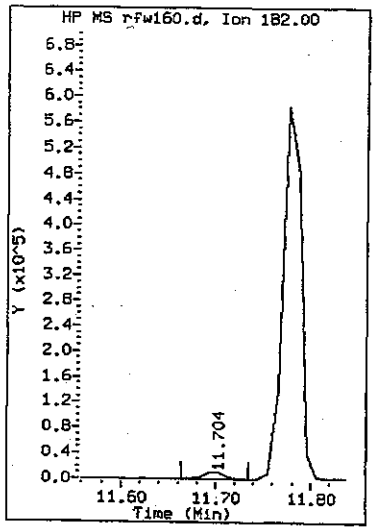


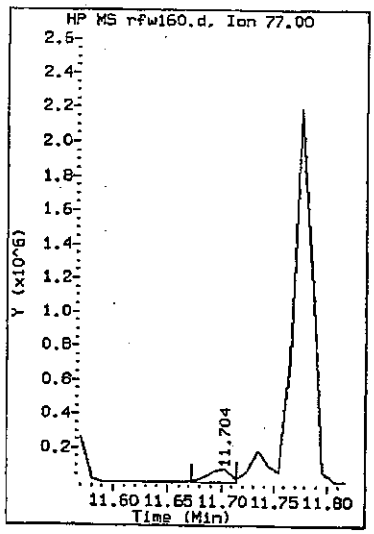


Original Integrations:

Area = 513271 Area = 776697 Area = 246129







Final Integrations:

Area = 513271 Area = 17862 Area = 112430

Manual Integration Reason: MI3 - Mis-identification of peak

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw080.d
Date : 20-MAY-2009 13:12
Client ID: SSTD040FW
Sample Info: SSTD040FW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

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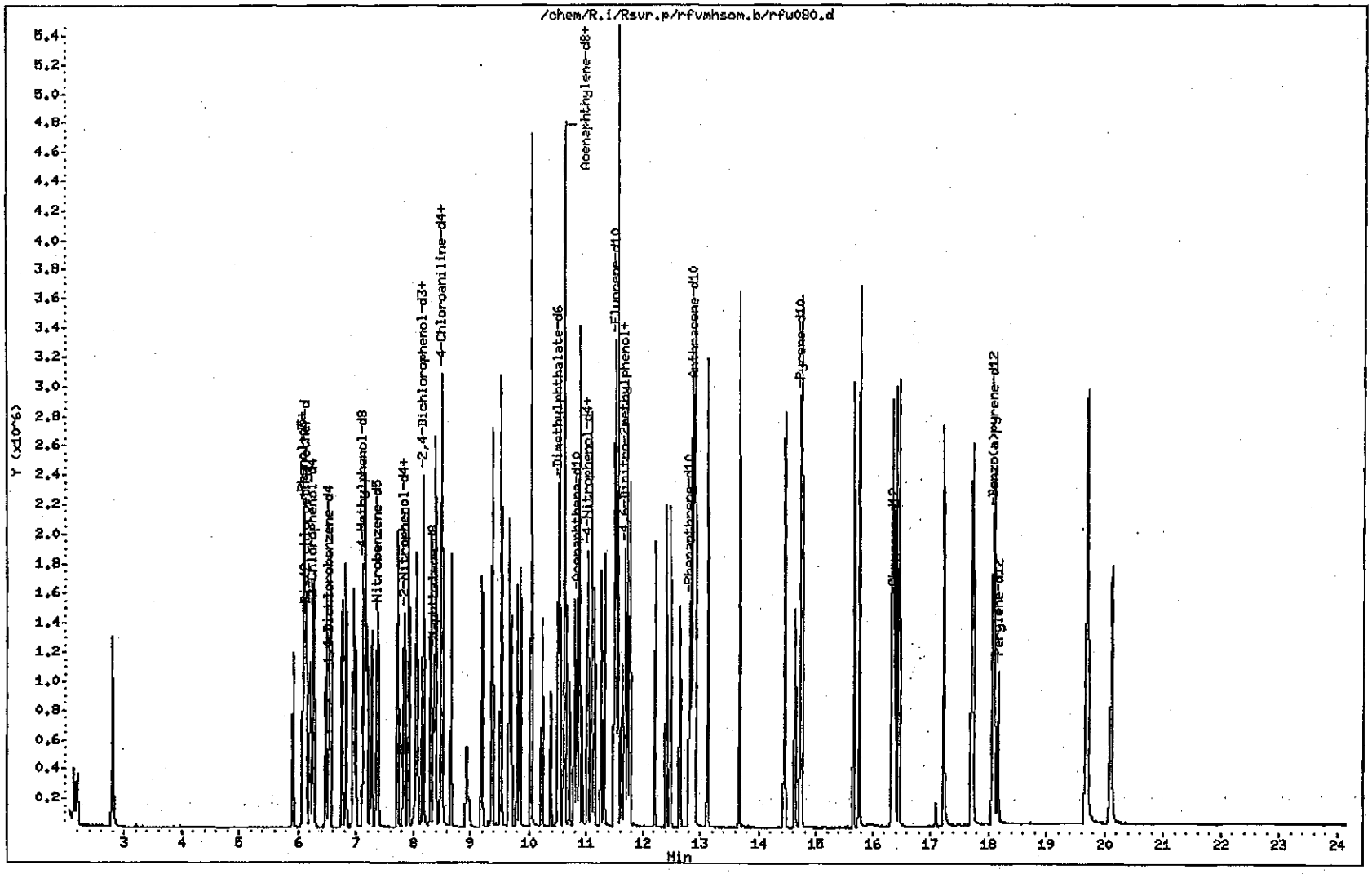
Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw080.d
Report Date: 21-May-2009 09:29

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvmhsom.b/rfw080.d
Lab Smp Id: SSTD040FW
Client Smp ID: SSTD040FW
Inj Date : 20-MAY-2009 13:12
Operator : djb
Inst ID: R.i
Smp Info : SSTD040FW
Misc Info : SSTD040FW
Comment :
Method : /chem/R.i/Rsvr.p/rfvmhsom.b/fsom12.m
Meth Date : 21-May-2009 09:29 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 13:12
Cal File: rfw080.d
Als bottle: 2
Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.901	5.899	(0.904)	424044	80.0000	75
$ 5 Phenol-d5	71	6.076	6.064	(0.931)	260226	80.0000	79
6 Phenol	94	6.086	6.084	(0.932)	854792	80.0000	77
$ 7 Bis(2-chloroethyl)ether-d8	67	6.127	6.125	(0.939)	542775	80.0000	78
8 Bis(2-chloroethyl)ether	93	6.199	6.187	(0.950)	646805	80.0000	76
$ 9 2-Chlorophenol-d4	132	6.240	6.238	(0.956)	698578	80.0000	80
10 2-Chlorophenol	128	6.271	6.259	(0.961)	662449	80.0000	78
* 11 1,4-Dichlorobenzene-d4	152	6.527	6.516	(1.000)	225887	40.0000	
13 2-Methylphenol	108	6.938	6.937	(1.063)	560442	80.0000	77
14 2,2'-Oxybis(1-chloropropane)	45	6.979	6.978	(1.069)	757800	80.0000	76
$ 15 4-Methylphenol-d8	113	7.113	7.111	(1.090)	552508	80.0000	80
16 Acetophenone	105	7.144	7.132	(1.094)	787806	80.0000	78
17 4-Methylphenol	108	7.154	7.152	(1.096)	596210	80.0000	77

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw080.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.185	7.173	(1.101)	465706	80.0000	79
	20 Hexachloroethane	117	7.267	7.255	(1.113)	262997	80.0000	78
$	21 Nitrobenzene-d5	128	7.359	7.358	(0.880)	358088	80.0000	80
	22 Nitrobenzene	77	7.380	7.378	(0.882)	629807	80.0000	76
	23 Isophorone	82	7.719	7.717	(0.923)	1330518	80.0000	76
$	24 2-Nitrophenol-d4	143	7.832	7.820	(0.936)	395600	80.0000	81
	25 2-Nitrophenol	139	7.842	7.840	(0.937)	381664	80.0000	77
	26 2,4-Dimethylphenol	107	7.914	7.912	(0.946)	588018	80.0000	76
	27 Bis(2-chloroethoxy)methane	93	8.047	8.046	(0.962)	752903	80.0000	76
$	28 2,4-Dichlorophenol-d3	165	8.160	8.159	(0.975)	595462	80.0000	79
	29 2,4-Dichlorophenol	162	8.181	8.179	(0.978)	521074	80.0000	76
*	30 Naphthalene-d8	136	8.366	8.354	(1.000)	862685	40.0000	
	31 Naphthalene	128	8.386	8.385	(1.002)	1781745	80.0000	76
$	32 4-Chloroaniline-d4	131	8.489	8.477	(1.015)	860566	80.0000	78
	33 4-Chloroaniline	127	8.499	8.498	(1.016)	836916	80.0000	77
	34 Hexachlorobutadiene	225	8.664	8.662	(1.036)	297888	80.0000	75
	35 Caprolactam	113	8.941	8.919	(1.069)	214030	80.0000	79
	36 4-Chloro-3-methylphenol	107	9.187	9.186	(1.098)	506672	80.0000	77
	37 2-Methylnaphthalene	142	9.362	9.361	(1.119)	1124797	80.0000	76
	38 1,2,4,5-Tetrachlorobenzene	216	9.660	9.658	(0.892)	532009	80.0000	74
	39 Hexachlorocyclopentadiene	237	9.691	9.689	(0.895)	265563	80.0000	86
	40 2,4,6-Trichlorophenol	196	9.804	9.792	(0.905)	369548	80.0000	75
	41 2,4,5-Trichlorophenol	196	9.845	9.843	(0.909)	397513	80.0000	77
	42 1,1'-Biphenyl	154	10.030	10.028	(0.926)	1348936	80.0000	76
	43 2-Chloronaphthalene	162	10.040	10.038	(0.927)	1139773	80.0000	75
	44 2-Nitroaniline	65	10.225	10.213	(0.944)	334183	80.0000	80
$	45 Dimethylphthalate-d6	166	10.492	10.490	(0.969)	1343017	80.0000	77
	46 Dimethylphthalate	163	10.523	10.521	(0.972)	1310070	80.0000	75
$	47 Acenaphthylene-d8	160	10.605	10.593	(0.979)	1893374	80.0000	77
	48 Acenaphthylene	152	10.615	10.614	(0.980)	1865029	80.0000	75
	49 2,6-Dinitrotoluene	165	10.615	10.603	(0.980)	332049	80.0000	77
	50 3-Nitroaniline	138	10.790	10.788	(0.996)	381829	80.0000	79
*	51 Acenaphthene-d10	164	10.831	10.829	(1.000)	474060	40.0000	
	52 Acenaphthene	153	10.872	10.870	(1.004)	1128699	80.0000	75
	53 2,4-Dinitrophenol	184	10.923	10.922	(1.009)	177658	80.0000	89(Q)
$	54 4-Nitrophenol-d4	143	11.016	11.004	(1.017)	352766	80.0000	80
	55 4-Nitrophenol	109	11.026	11.014	(1.018)	172698	80.0000	80
	56 Dibenzofuran	168	11.087	11.086	(1.024)	1574162	80.0000	75
	57 2,4-Dinitrotoluene	165	11.139	11.137	(1.028)	443985	80.0000	79
	58 2,3,4,6-Tetrachlorophenol	232	11.313	11.312	(1.045)	335296	80.0000	76
	59 Diethylphthalate	149	11.488	11.486	(1.061)	1317019	80.0000	74
$	60 Fluorene-d10	176	11.519	11.517	(1.064)	1229749	80.0000	82
	61 Fluorene	166	11.560	11.548	(1.067)	1299087	80.0000	75
	62 4-Chlorophenyl-phenylether	204	11.560	11.558	(1.067)	598888	80.0000	74
	63 4-Nitroaniline	138	11.632	11.620	(1.074)	378328	80.0000	80
$	64 4,6-Dinitro-2methylphenol-d2	200	11.683	11.671	(0.907)	263118	80.0000	81
	65 4,6-Dinitro-2-methylphenol	198	11.693	11.682	(0.908)	248589	80.0000	79

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw080.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.724	11.723	(0.911)	1103331	80.0000	72
	67 4-Bromophenyl-phenylether	248	12.217	12.216	(0.949)	370735	80.0000	72
	68 Hexachlorobenzene	284	12.412	12.411	(0.964)	415280	80.0000	72
	69 Atrazine	200	12.484	12.483	(0.970)	314942	80.0000	73
	70 Pentachlorophenol	266	12.649	12.647	(0.982)	262029	80.0000	78
*	71 Phenanthrene-d10	188	12.813	12.811	(1.000)	833259	40.0000	(H)
	72 Phenanthrene	178	12.844	12.842	(0.998)	1790201	80.0000	72 (H)
$	73 Anthracene-d10	188	12.875	12.873	(1.000)	1762954	80.0000	72
	74 Anthracene	178	12.905	12.904	(1.002)	1806395	80.0000	72
	75 Carbazole	167	13.121	13.119	(1.019)	1746284	80.0000	73
	76 Di-n-butylphthalate	149	13.665	13.664	(1.061)	2321795	80.0000	72
	77 Fluoranthene	202	14.446	14.434	(1.122)	1753220	80.0000	73
$	78 Pyrene-d10	212	14.723	14.711	(0.900)	1479684	80.0000	74
	79 Pyrene	202	14.744	14.742	(0.901)	1813681	80.0000	72
	80 Butylbenzylphthalate	149	15.658	15.656	(0.957)	949417	80.0000	75
	81 3,3'-Dichlorobenzidine	252	16.325	16.324	(0.997)	571404	80.0000	77
	82 Benzo(a)anthracene	228	16.346	16.334	(0.999)	1508960	80.0000	73
*	83 Chrysene-d12	240	16.366	16.365	(1.000)	717258	40.0000	
	84 Chrysene	228	16.397	16.396	(1.002)	1401981	80.0000	72
	85 Bis(2-ethylhexyl)phthalate	149	16.449	16.447	(1.005)	1275859	80.0000	76
	86 Di-n-octylphthalate	149	17.219	17.217	(0.947)	2066753	80.0000	75
	87 Benzo(b)fluoranthene	252	17.702	17.700	(0.974)	1289375	80.0000	69
	88 Benzo(k)fluoranthene	252	17.732	17.731	(0.976)	1810064	80.0000	76
$	89 Benzo(a)pyrene-d12	264	18.071	18.070	(0.994)	1170041	80.0000	75
	90 Benzo(a)pyrene	252	18.102	18.101	(0.996)	1338845	80.0000	73
*	91 Perylene-d12	264	18.174	18.162	(1.000)	640716	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.684	19.672	(1.083)	1740165	80.0000	80
	93 Dibenzo(a,h)anthracene	278	19.694	19.682	(1.084)	1442205	80.0000	80
	94 Benzo(g,h,i)perylene	276	20.115	20.103	(1.107)	1582781	80.0000	83

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw040.d
Date : 20-MAY-2009 13:48
Client ID: SSTD020FW
Sample Info: SSTD020FW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

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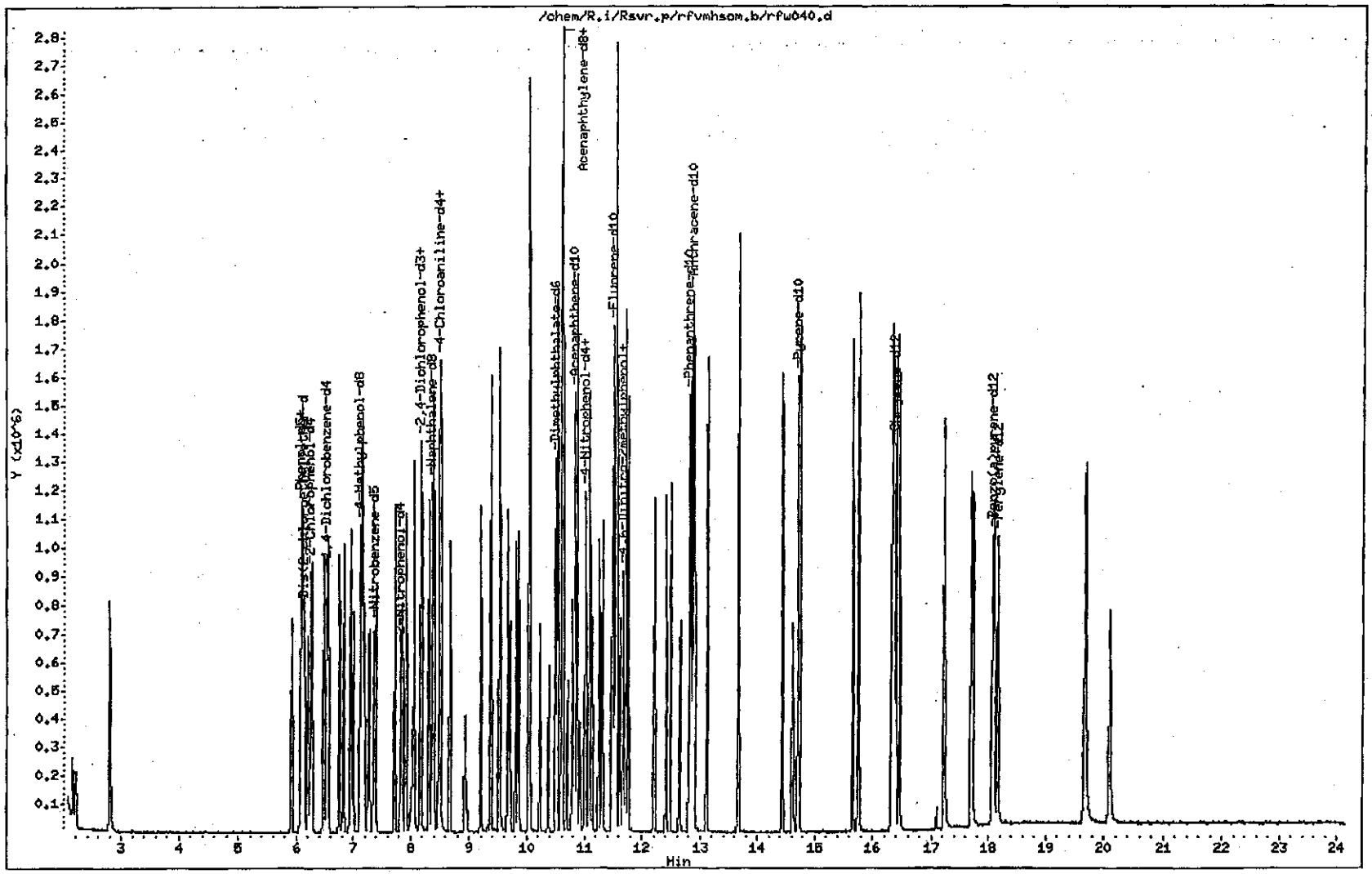
Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw040.d
Report Date: 21-May-2009 09:29

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvmhsom.b/rfw040.d
Lab Smp Id: SSTD020FW — Client Smp ID: SSTD020FW
Inj Date : 20-MAY-2009 13:48
Operator : djb — Inst ID: R.i
Smp Info : SSTD020FW
Misc Info : SSTD020FW
Comment :
Method : /chem/R.i/Rsvr.p/rfvmhsom.b/fsom12.m
Meth Date : 21-May-2009 09:29 je — Quant Type: ISTD
Cal Date : 20-MAY-2009 13:48 — Cal File: rfw040.d
Als bottle: 3 — Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.899	5.899	(0.905)	251421	40.0000	41
$ 5 Phenol-d5	71	6.064	6.064	(0.931)	143397	40.0000	40
6 Phenol	94	6.084	6.084	(0.934)	483075	40.0000	40
$ 7 Bis(2-chloroethyl)ether-d8	67	6.125	6.125	(0.940)	300178	40.0000	40
8 Bis(2-chloroethyl)ether	93	6.187	6.187	(0.950)	368227	40.0000	40
$ 9 2-Chlorophenol-d4	132	6.238	6.238	(0.957)	389365	40.0000	41
10 2-Chlorophenol	128	6.259	6.259	(0.961)	369044	40.0000	40
* 11 1,4-Dichlorobenzene-d4	152	6.516	6.516	(1.000)	244182	40.0000	
13 2-Methylphenol	108	6.937	6.937	(1.065)	317299	40.0000	40
14 2,2'-Oxybis(1-chloropropane)	45	6.978	6.978	(1.071)	429227	40.0000	40
$ 15 4-Methylphenol-d8	113	7.111	7.111	(1.091)	304275	40.0000	41
16 Acetophenone	105	7.132	7.132	(1.095)	430690	40.0000	40
17 4-Methylphenol	108	7.152	7.152	(1.098)	343799	40.0000	41

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw040.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.173	7.173	(1.101)	261827	40.0000	41
	20 Hexachloroethane	117	7.255	7.255	(1.113)	145716	40.0000	40
$	21 Nitrobenzene-d5	128	7.358	7.358	(0.881)	193034	40.0000	41
	22 Nitrobenzene	77	7.378	7.378	(0.883)	353788	40.0000	40
	23 Isophorone	82	7.717	7.717	(0.924)	743419	40.0000	40
$	24 2-Nitrophenol-d4	143	7.820	7.820	(0.936)	212202	40.0000	41
	25 2-Nitrophenol	139	7.840	7.840	(0.939)	208919	40.0000	40
	26 2,4-Dimethylphenol	107	7.912	7.912	(0.947)	331420	40.0000	41
	27 Bis(2-chloroethoxy)methane	93	8.046	8.046	(0.963)	422780	40.0000	40
$	28 2,4-Dichlorophenol-d3	165	8.159	8.159	(0.977)	327080	40.0000	41
	29 2,4-Dichlorophenol	162	8.179	8.179	(0.979)	291473	40.0000	40
*	30 Naphthalene-d8	136	8.354	8.354	(1.000)	909837	40.0000	
	31 Naphthalene	128	8.385	8.385	(1.004)	993230	40.0000	40
$	32 4-Chloroaniline-d4	131	8.477	8.477	(1.015)	475728	40.0000	41
	33 4-Chloroaniline	127	8.498	8.498	(1.017)	460955	40.0000	40
	34 Hexachlorobutadiene	225	8.662	8.662	(1.037)	170520	40.0000	41
	35 Caprolactam	113	8.919	8.919	(1.068)	114247	40.0000	40
	36 4-Chloro-3-methylphenol	107	9.186	9.186	(1.100)	286856	40.0000	41
	37 2-Methylnaphthalene	142	9.361	9.361	(1.120)	630059	40.0000	40
	38 1,2,4,5-Tetrachlorobenzene	216	9.658	9.658	(0.892)	297475	40.0000	41
	39 Hexachlorocyclopentadiene	237	9.689	9.689	(0.895)	133178	40.0000	42
	40 2,4,6-Trichlorophenol	196	9.792	9.792	(0.904)	208587	40.0000	41
	41 2,4,5-Trichlorophenol	196	9.843	9.843	(0.909)	218918	40.0000	42
	42 1,1'-Biphenyl	154	10.028	10.028	(0.926)	736646	40.0000	40
	43 2-Chloronaphthalene	162	10.038	10.038	(0.927)	646084	40.0000	41
	44 2-Nitroaniline	65	10.213	10.213	(0.943)	178193	40.0000	42
$	45 Dimethylphthalate-d6	166	10.490	10.490	(0.969)	744841	40.0000	42
	46 Dimethylphthalate	163	10.521	10.521	(0.972)	733957	40.0000	41
$	47 Acenaphthylene-d8	160	10.593	10.593	(0.978)	1046575	40.0000	41
	48 Acenaphthylene	152	10.614	10.614	(0.980)	1036000	40.0000	41
	49 2,6-Dinitrotoluene	165	10.603	10.603	(0.979)	184656	40.0000	42
	50 3-Nitroaniline	138	10.788	10.788	(0.996)	211246	40.0000	42
*	51 Acenaphthene-d10	164	10.829	10.829	(1.000)	485577	40.0000	
	52 Acenaphthene	153	10.870	10.870	(1.004)	622875	40.0000	41
	53 2,4-Dinitrophenol	184	10.922	10.922	(1.009)	79016	40.0000	39
$	54 4-Nitrophenol-d4	143	11.004	11.004	(1.016)	186332	40.0000	41
	55 4-Nitrophenol	109	11.014	11.014	(1.017)	94062	40.0000	42
	56 Dibenzofuran	168	11.086	11.086	(1.024)	866195	40.0000	40
	57 2,4-Dinitrotoluene	165	11.137	11.137	(1.028)	243838	40.0000	42
	58 2,3,4,6-Tetrachlorophenol	232	11.312	11.312	(1.045)	187622	40.0000	41
	59 Diethylphthalate	149	11.486	11.486	(1.061)	743788	40.0000	41
$	60 Fluorene-d10	176	11.517	11.517	(1.064)	617029	40.0000	40
	61 Fluorene	166	11.548	11.548	(1.066)	731519	40.0000	41
	62 4-Chlorophenyl-phenylether	204	11.558	11.558	(1.067)	341576	40.0000	41
	63 4-Nitroaniline	138	11.620	11.620	(1.073)	204356	40.0000	42
$	64 4,6-Dinitro-2methylphenol-d2	200	11.671	11.671	(0.907)	128574	40.0000	40
	65 4,6-Dinitro-2-methylphenol	198	11.682	11.682	(0.907)	125758	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw040.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.723	11.723	(0.911)	611289	40.0000	40
	67 4-Bromophenyl-phenylether	248	12.216	12.216	(0.949)	206038	40.0000	40
	68 Hexachlorobenzene	284	12.411	12.411	(0.964)	235770	40.0000	41
	69 Atrazine	200	12.483	12.483	(0.970)	168671	40.0000	39
	70 Pentachlorophenol	266	12.647	12.647	(0.982)	136627	40.0000	41
*	71 Phenanthrene-d10	188	12.811	12.811	(1.000)	830451	40.0000	(H)
	72 Phenanthrene	178	12.842	12.842	(0.998)	1016246	40.0000	41(H)
$	73 Anthracene-d10	188	12.873	12.873	(1.000)	978596	40.0000	40
	74 Anthracene	178	12.904	12.904	(1.002)	1020374	40.0000	41
	75 Carbazole	167	13.119	13.119	(1.019)	979768	40.0000	41
	76 Di-n-butylphthalate	149	13.664	13.664	(1.061)	1301275	40.0000	41
	77 Fluoranthene	202	14.434	14.434	(1.121)	980454	40.0000	41
$	78 Pyrene-d10	212	14.711	14.711	(0.899)	833469	40.0000	42
	79 Pyrene	202	14.742	14.742	(0.901)	1031752	40.0000	41
	80 Butylbenzylphthalate	149	15.656	15.656	(0.957)	528840	40.0000	42
	81 3,3'-Dichlorobenzidine	252	16.324	16.324	(0.997)	322711	40.0000	44
	82 Benzo(a)anthracene	228	16.334	16.334	(0.998)	850667	40.0000	41
*	83 Chrysene-d12	240	16.365	16.365	(1.000)	719781	40.0000	
	84 Chrysene	228	16.396	16.396	(1.002)	779919	40.0000	40
	85 Bis(2-ethylhexyl)phthalate	149	16.447	16.447	(1.005)	693744	40.0000	41
	86 Di-n-octylphthalate	149	17.217	17.217	(0.948)	1099579	40.0000	44
	87 Benzo(b)fluoranthene	252	17.700	17.700	(0.975)	716119	40.0000	42
	88 Benzo(k)fluoranthene	252	17.731	17.731	(0.976)	909439	40.0000	42
$	89 Benzo(a)pyrene-d12	264	18.070	18.070	(0.995)	598792	40.0000	42
	90 Benzo(a)pyrene	252	18.101	18.101	(0.997)	694301	40.0000	41
*	91 Perylene-d12	264	18.162	18.162	(1.000)	586843	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.672	19.672	(1.083)	780281	40.0000	39
	93 Dibenzo(a,h)anthracene	278	19.682	19.682	(1.084)	654072	40.0000	40
	94 Benzo(g,h,i)perylene	276	20.103	20.103	(1.107)	673769	40.0000	39

QC Flag Legend

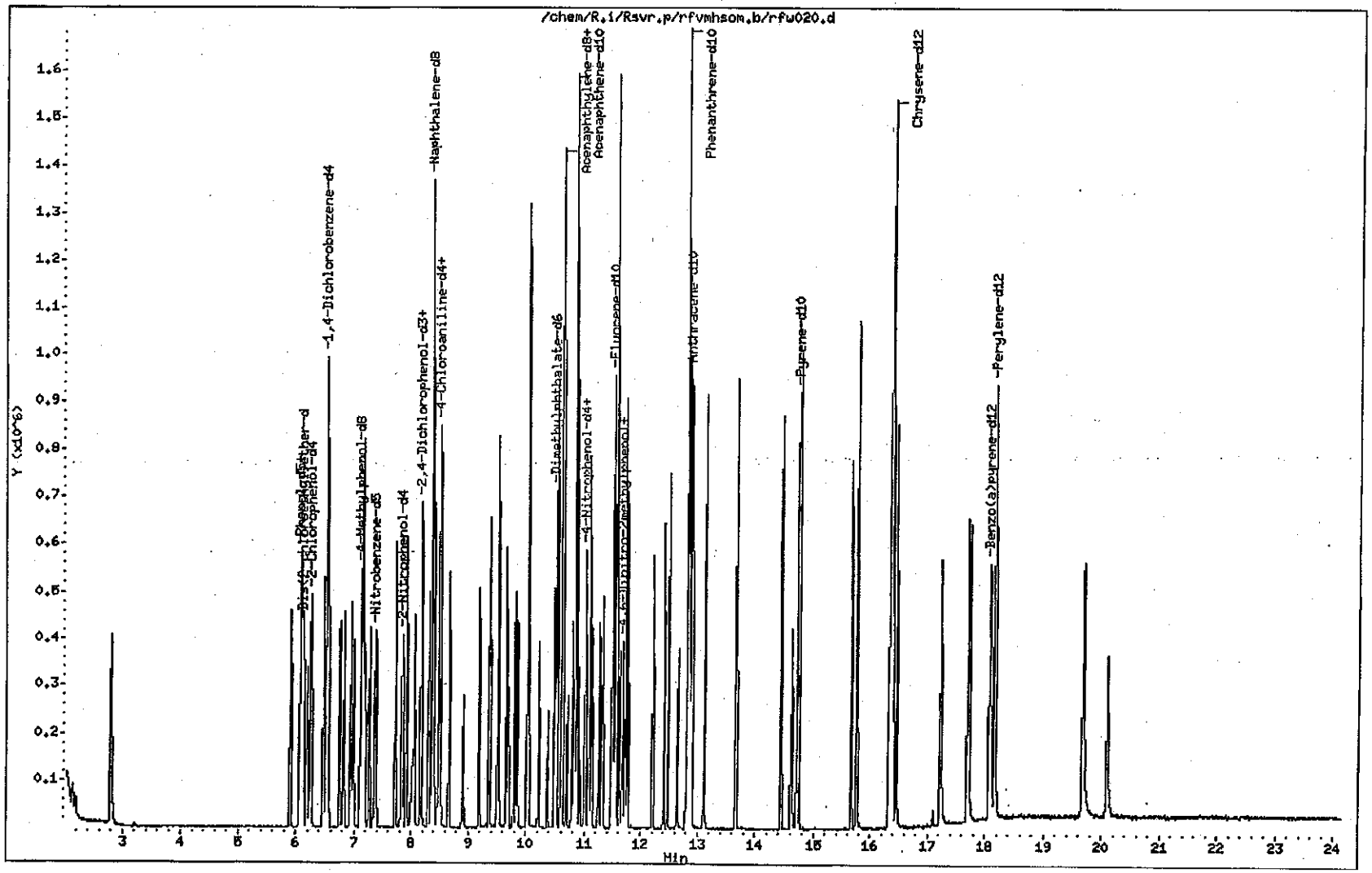
H - Operator selected an alternate compound hit.

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw020.d
Date : 20-MAY-2009 14:23
Client ID: SSTD010FW
Sample Info: SSTD010FW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw020.d
Report Date: 21-May-2009 09:29

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvmhsom.b/rfw020.d
Lab Smp Id: SSTD010FW Client Smp ID: SSTD010FW
Inj Date : 20-MAY-2009 14:23
Operator : djb Inst ID: R.i
Smp Info : SSTD010FW
Misc Info : SSTD010FW
Comment :
Method : /chem/R.i/Rsvr.p/rfvmhsom.b/fsom12.m
Meth Date : 21-May-2009 09:29 je Quant Type: ISTD
Cal Date : 20-MAY-2009 14:23 Cal File: rfw020.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.906	5.899	(0.906)	145303	20.0000	24
$ 5 Phenol-d5	71	6.060	6.064	(0.929)	76212	20.0000	21
6 Phenol	94	6.081	6.084	(0.932)	247453	20.0000	20
$ 7 Bis(2-chloroethyl)ether-d8	67	6.122	6.125	(0.939)	158226	20.0000	21
8 Bis(2-chloroethyl)ether	93	6.194	6.187	(0.950)	184321	20.0000	20
$ 9 2-Chlorophenol-d4	132	6.245	6.238	(0.957)	198878	20.0000	21
10 2-Chlorophenol	128	6.266	6.259	(0.961)	186704	20.0000	20
* 11 1,4-Dichlorobenzene-d4	152	6.522	6.516	(1.000)	247894	40.0000	
13 2-Methylphenol	108	6.933	6.937	(1.063)	161305	20.0000	20
14 2,2'-Oxybis(1-chloropropane)	45	6.985	6.978	(1.071)	220497	20.0000	20
$ 15 4-Methylphenol-d8	113	7.108	7.111	(1.090)	157064	20.0000	21
16 Acetophenone	105	7.139	7.132	(1.094)	240936	20.0000	22
17 4-Methylphenol	108	7.149	7.152	(1.096)	167861	20.0000	20

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw020.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.180	7.173	(1.101)	128016	20.0000	20
	20 Hexachloroethane	117	7.262	7.255	(1.113)	72267	20.0000	19
$	21 Nitrobenzene-d5	128	7.354	7.358	(0.880)	97556	20.0000	20
	22 Nitrobenzene	77	7.375	7.378	(0.882)	179416	20.0000	20
	23 Isophorone	82	7.714	7.717	(0.923)	368391	20.0000	20
$	24 2-Nitrophenol-d4	143	7.827	7.820	(0.936)	106745	20.0000	20
	25 2-Nitrophenol	139	7.847	7.840	(0.939)	105566	20.0000	20
	26 2,4-Dimethylphenol	107	7.909	7.912	(0.946)	166883	20.0000	20
	27 Bis(2-chloroethoxy)methane	93	8.053	8.046	(0.963)	213690	20.0000	20
$	28 2,4-Dichlorophenol-d3	165	8.166	8.159	(0.977)	167352	20.0000	21
	29 2,4-Dichlorophenol	162	8.176	8.179	(0.978)	150579	20.0000	20
*	30 Naphthalene-d8	136	8.361	8.354	(1.000)	923342	40.0000	
	31 Naphthalene	128	8.392	8.385	(1.004)	507991	20.0000	20
$	32 4-Chloroaniline-d4	131	8.484	8.477	(1.015)	242911	20.0000	21
	33 4-Chloroaniline	127	8.494	8.498	(1.016)	233855	20.0000	20
	34 Hexachlorobutadiene	225	8.659	8.662	(1.036)	85360	20.0000	20
	35 Caprolactam	113	8.905	8.919	(1.065)	63949	20.0000	22
	36 4-Chloro-3-methylphenol	107	9.182	9.186	(1.098)	145121	20.0000	20
	37 2-Methylnaphthalene	142	9.367	9.361	(1.120)	316785	20.0000	20
	38 1,2,4,5-Tetrachlorobenzene	216	9.655	9.658	(0.892)	151828	20.0000	20
	39 Hexachlorocyclopentadiene	237	9.696	9.689	(0.896)	56986	20.0000	18
	40 2,4,6-Trichlorophenol	196	9.799	9.792	(0.905)	102355	20.0000	20
	41 2,4,5-Trichlorophenol	196	9.850	9.843	(0.910)	105933	20.0000	20
	42 1,1'-Biphenyl	154	10.025	10.028	(0.926)	406165	20.0000	22
	43 2-Chloronaphthalene	162	10.035	10.038	(0.927)	320470	20.0000	20
	44 2-Nitroaniline	65	10.220	10.213	(0.944)	85253	20.0000	20
$	45 Dimethylphthalate-d6	166	10.487	10.490	(0.969)	378132	20.0000	21
	46 Dimethylphthalate	163	10.518	10.521	(0.972)	370850	20.0000	20
$	47 Acenaphthylene-d8	160	10.600	10.593	(0.979)	532749	20.0000	21
	48 Acenaphthylene	152	10.620	10.614	(0.981)	528508	20.0000	20
	49 2,6-Dinitrotoluene	165	10.600	10.603	(0.979)	89908	20.0000	20
	50 3-Nitroaniline	138	10.785	10.788	(0.996)	103147	20.0000	20
*	51 Acenaphthene-d10	164	10.826	10.829	(1.000)	492523	40.0000	
	52 Acenaphthene	153	10.867	10.870	(1.004)	317023	20.0000	20
	53 2,4-Dinitrophenol	184	10.918	10.922	(1.009)	29645	20.0000	14(Q)
$	54 4-Nitrophenol-d4	143	11.000	11.004	(1.016)	92922	20.0000	20
	55 4-Nitrophenol	109	11.011	11.014	(1.017)	44054	20.0000	20
	56 Dibenzofuran	168	11.082	11.086	(1.024)	440328	20.0000	20
	57 2,4-Dinitrotoluene	165	11.134	11.137	(1.028)	117316	20.0000	20
	58 2,3,4,6-Tetrachlorophenol	232	11.308	11.312	(1.045)	93847	20.0000	20
	59 Diethylphthalate	149	11.483	11.486	(1.061)	383444	20.0000	21
$	60 Fluorene-d10	176	11.514	11.517	(1.064)	312165	20.0000	20
	61 Fluorene	166	11.555	11.548	(1.067)	365392	20.0000	20
	62 4-Chlorophenyl-phenylether	204	11.555	11.558	(1.067)	169371	20.0000	20
	63 4-Nitroaniline	138	11.617	11.620	(1.073)	101109	20.0000	20
$	64 4,6-Dinitro-2methylphenol-d2	200	11.668	11.671	(0.907)	54499	20.0000	17
	65 4,6-Dinitro-2-methylphenol	198	11.678	11.682	(0.912)	55478	20.0000	18(QM)

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw020.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.719	11.723	(0.911)	312355	20.0000	20
	67 4-Bromophenyl-phenylether	248	12.212	12.216	(0.949)	107074	20.0000	21
	68 Hexachlorobenzene	284	12.407	12.411	(0.964)	119414	20.0000	20
	69 Atrazine	200	12.479	12.483	(0.970)	98775	20.0000	23
	70 Pentachlorophenol	266	12.644	12.647	(0.982)	65438	20.0000	19
*	71 Phenanthrene-d10	188	12.808	12.811	(1.000)	838706	40.0000	(H)
	72 Phenanthrene	178	12.839	12.842	(0.998)	516440	20.0000	21(H)
$	73 Anthracene-d10	188	12.870	12.873	(1.000)	519097	20.0000	21
	74 Anthracene	178	12.900	12.904	(1.002)	514533	20.0000	20
	75 Carbazole	167	13.116	13.119	(1.019)	508685	20.0000	21
	76 Di-n-butylphthalate	149	13.660	13.664	(1.061)	662307	20.0000	21
	77 Fluoranthene	202	14.441	14.434	(1.122)	508829	20.0000	21
$	78 Pyrene-d10	212	14.718	14.711	(0.900)	447141	20.0000	22
	79 Pyrene	202	14.739	14.742	(0.901)	532717	20.0000	20
	80 Butylbenzylphthalate	149	15.653	15.656	(0.957)	264478	20.0000	20
	81 3,3'-Dichlorobenzidine	252	16.320	16.324	(0.997)	157559	20.0000	21
	82 Benzo(a)anthracene	228	16.341	16.334	(0.999)	450144	20.0000	21
*	83 Chrysene-d12	240	16.361	16.365	(1.000)	744782	40.0000	
	84 Chrysene	228	16.392	16.396	(1.002)	422375	20.0000	21
	85 Bis(2-ethylhexyl)phthalate	149	16.454	16.447	(1.006)	348911	20.0000	20
	86 Di-n-octylphthalate	149	17.224	17.217	(0.948)	535263	20.0000	21
	87 Benzo(b)fluoranthene	252	17.697	17.700	(0.974)	338656	20.0000	20
	88 Benzo(k)fluoranthene	252	17.727	17.731	(0.976)	487951	20.0000	22
$	89 Benzo(a)pyrene-d12	264	18.066	18.070	(0.994)	300107	20.0000	21
	90 Benzo(a)pyrene	252	18.097	18.101	(0.996)	344148	20.0000	20
*	91 Perylene-d12	264	18.169	18.162	(1.000)	589513	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.669	19.672	(1.083)	353251	20.0000	18
	93 Dibenzo(a,h)anthracene	278	19.679	19.682	(1.083)	293112	20.0000	18
	94 Benzo(g,h,i)perylene	276	20.090	20.103	(1.106)	303528	20.0000	17

QC Flag Legend

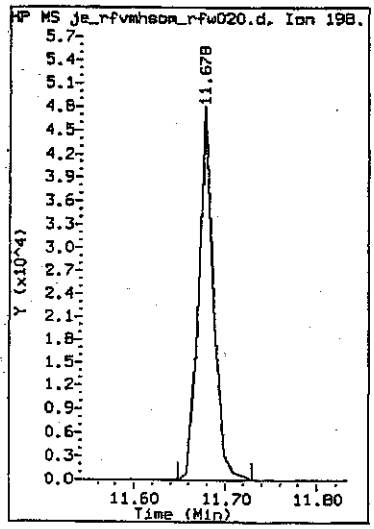
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

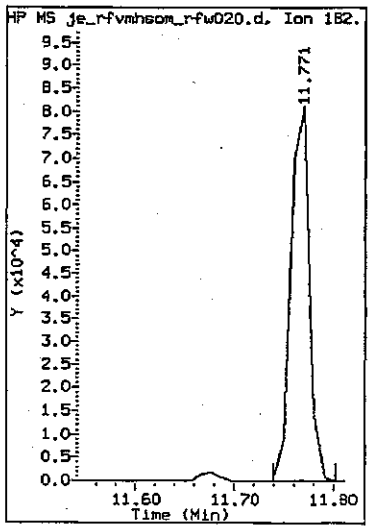
MANUAL INTEGRATION REPORT

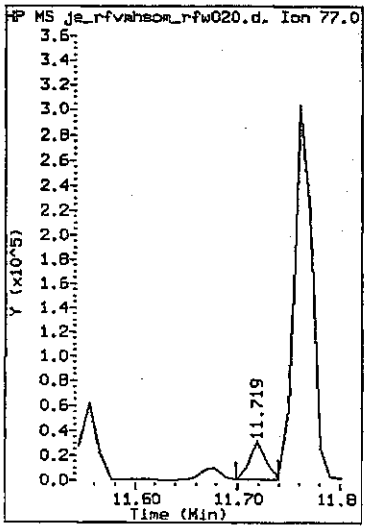
Data File Name: rfw020.d
Client Sample ID: SSTD010FW
Compound Name: 4,6-Dinitro-2-methylphenol CAS #: 534-52-1

Inj. Date and Time: 20-MAY-2009 14:23
Instrument ID: R.i

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/21/2009 09:29

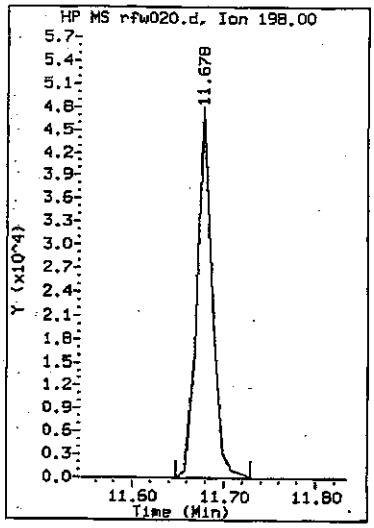


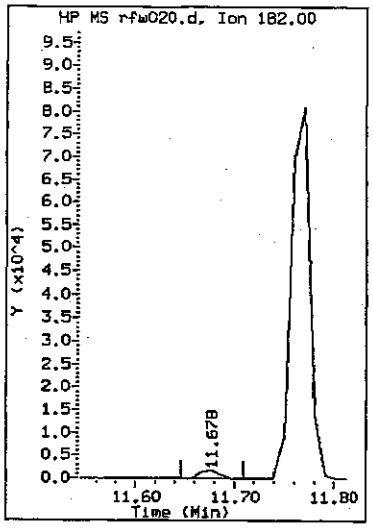


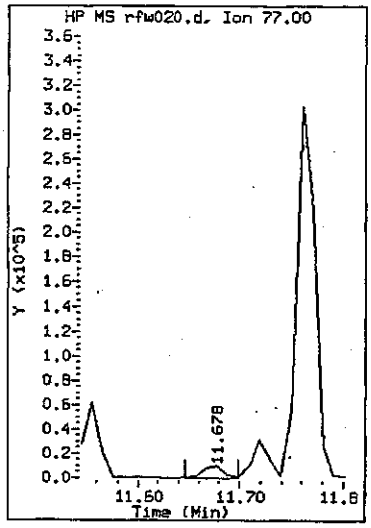


Original Integrations:

Area = 55478 Area = 107534 Area = 33692



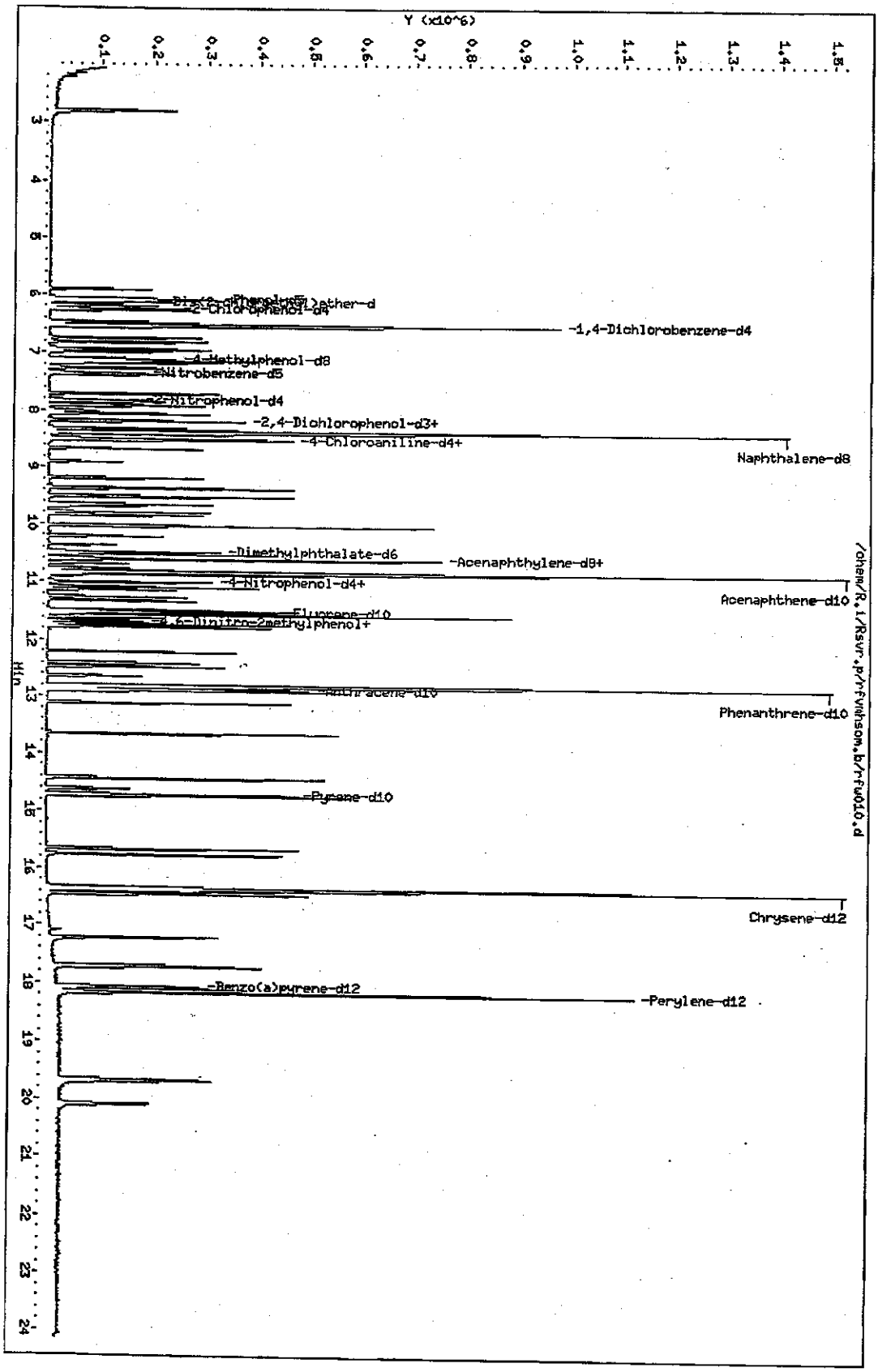




Final Integrations:

Area = 55478 Area = 2332 Area = 14769

Manual Integration Reason: MI3 - Mis-identification of peak


Data File: /chem/R.i/Rsvr.p/rfvnhsom.b/rfu010.d
Date : 20-MAY-2009 14:58
Client ID: SSTD005FW
Sample Info: SSTD005FW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms
Instrument: R.i
Operator: djb
Column diameter: 0.25
Page 4
Y (x10^6)
Min
-Bis(2-chloroethyl)ether-d
-2-Chlorophenol-d4
-1,4-Dichlorobenzene-d4
-4-Methylphenol-d8
-Nitrobenzene-d5
-2-Nitrophenol-d4
-2,4-Dichlorophenol-d3+
-4-Chloroaniline-d4+
Naphthalene-d8
-Dimethylphthalate-d6
-Acenaphthylene-d8+
-4-Nitrophenol-d4+
Acenaphthene-d10
-Fluorene-d10
-4,6-Dinitro-2methylphenol+
-Anthracene-d10
Phenanthrene-d10
-Pyrene-d10
Chrysene-d12
-Benzo(a)pyrene-d12
-Perylene-d12
/chem/R.i/Rsvr.p/rfvnhsom.b/rfu010.d

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw010.d
Report Date: 21-May-2009 09:29

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvmhsom.b/rfw010.d
Lab Smp Id: SSTD005FW Client Smp ID: SSTD005FW
Inj Date : 20-MAY-2009 14:58
Operator : djb Inst ID: R.i
Smp Info : SSTD005FW
Misc Info : SSTD005FW
Comment :
Method : /chem/R.i/Rsvr.p/rfvmhsom.b/fsom12.m
Meth Date : 21-May-2009 09:29 je Quant Type: ISTD
Cal Date : 20-MAY-2009 14:58 Cal File: rfw010.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.901	5.899	(0.905)	67698	10.0000	10
$ 5 Phenol-d5	71	6.065	6.064	(0.931)	38045	10.0000	9.9(a)
6 Phenol	94	6.086	6.084	(0.934)	138328	10.0000	11
$ 7 Bis(2-chloroethyl)ether-d8	67	6.127	6.125	(0.940)	81189	10.0000	10
8 Bis(2-chloroethyl)ether	93	6.189	6.187	(0.950)	109900	10.0000	11
$ 9 2-Chlorophenol-d4	132	6.240	6.238	(0.957)	98087	10.0000	9.6
10 2-Chlorophenol	128	6.261	6.259	(0.961)	107322	10.0000	11
* 11 1,4-Dichlorobenzene-d4	152	6.517	6.516	(1.000)	262768	40.0000	
13 2-Methylphenol	108	6.938	6.937	(1.065)	89925	10.0000	11
14 2,2'-Oxybis(1-chloropropane)	45	6.979	6.978	(1.071)	127556	10.0000	11
$ 15 4-Methylphenol-d8	113	7.103	7.111	(1.090)	77663	10.0000	9.7
16 Acetophenone	105	7.134	7.132	(1.095)	113789	10.0000	9.7
17 4-Methylphenol	108	7.144	7.152	(1.096)	95597	10.0000	11

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw010.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.175	7.173	(1.101)	72071	10.0000	11
	20 Hexachloroethane	117	7.267	7.255	(1.115)	43080	10.0000	11
$	21 Nitrobenzene-d5	128	7.349	7.358	(0.880)	46751	10.0000	9.2
	22 Nitrobenzene	77	7.380	7.378	(0.883)	102324	10.0000	11
	23 Isophorone	82	7.709	7.717	(0.923)	219609	10.0000	11
$	24 2-Nitrophenol-d4	143	7.822	7.820	(0.936)	49787	10.0000	9.0
	25 2-Nitrophenol	139	7.842	7.840	(0.939)	59263	10.0000	11
	26 2,4-Dimethylphenol	107	7.904	7.912	(0.946)	93234	10.0000	11
	27 Bis(2-chloroethoxy)methane	93	8.048	8.046	(0.963)	123725	10.0000	11
$	28 2,4-Dichlorophenol-d3	165	8.161	8.159	(0.977)	83246	10.0000	9.7
	29 2,4-Dichlorophenol	162	8.171	8.179	(0.978)	82102	10.0000	11
*	30 Naphthalene-d8	136	8.356	8.354	(1.000)	979316	40.0000	
	31 Naphthalene	128	8.387	8.385	(1.004)	292918	10.0000	11
$	32 4-Chloroaniline-d4	131	8.479	8.477	(1.015)	123915	10.0000	9.9
	33 4-Chloroaniline	127	8.489	8.498	(1.016)	134016	10.0000	11
	34 Hexachlorobutadiene	225	8.664	8.662	(1.037)	49420	10.0000	11
	35 Caprolactam	113	8.900	8.919	(1.065)	29393	10.0000	9.6
	36 4-Chloro-3-methylphenol	107	9.188	9.186	(1.100)	79102	10.0000	11
	37 2-Methylnaphthalene	142	9.362	9.361	(1.120)	183014	10.0000	11
	38 1,2,4,5-Tetrachlorobenzene	216	9.660	9.658	(0.892)	86242	10.0000	11
	39 Hexachlorocyclopentadiene	237	9.691	9.689	(0.895)	27152	10.0000	7.9
	40 2,4,6-Trichlorophenol	196	9.794	9.792	(0.904)	58178	10.0000	11
	41 2,4,5-Trichlorophenol	196	9.845	9.843	(0.909)	59459	10.0000	10
	42 1,1'-Biphenyl	154	10.030	10.028	(0.926)	192745	10.0000	9.8
	43 2-Chloronaphthalene	162	10.030	10.038	(0.926)	184817	10.0000	11
	44 2-Nitroaniline	65	10.215	10.213	(0.943)	46266	10.0000	10
$	45 Dimethylphthalate-d6	166	10.482	10.490	(0.968)	193751	10.0000	10
	46 Dimethylphthalate	163	10.512	10.521	(0.971)	208841	10.0000	11(M)
$	47 Acenaphthylene-d8	160	10.595	10.593	(0.978)	273468	10.0000	10
	48 Acenaphthylene	152	10.615	10.614	(0.980)	301111	10.0000	11
	49 2,6-Dinitrotoluene	165	10.605	10.603	(0.979)	48918	10.0000	10
	50 3-Nitroaniline	138	10.780	10.788	(0.995)	58185	10.0000	11
*	51 Acenaphthene-d10	164	10.831	10.829	(1.000)	525705	40.0000	
	52 Acenaphthene	153	10.872	10.870	(1.004)	182541	10.0000	11
	53 2,4-Dinitrophenol	184	10.923	10.922	(1.009)	9797	10.0000	4.4(aQM)
$	54 4-Nitrophenol-d4	143	11.005	11.004	(1.016)	44622	10.0000	9.1(a)
	55 4-Nitrophenol	109	11.005	11.014	(1.016)	24474	10.0000	10
	56 Dibenzofuran	168	11.088	11.086	(1.024)	256410	10.0000	11
	57 2,4-Dinitrotoluene	165	11.129	11.137	(1.028)	61046	10.0000	9.8
	58 2,3,4,6-Tetrachlorophenol	232	11.314	11.312	(1.045)	52768	10.0000	11
	59 Diethylphthalate	149	11.478	11.486	(1.060)	217283	10.0000	11
$	60 Fluorene-d10	176	11.509	11.517	(1.063)	160218	10.0000	9.6
	61 Fluorene	166	11.550	11.548	(1.066)	212368	10.0000	11
	62 4-Chlorophenyl-phenylether	204	11.560	11.558	(1.067)	99536	10.0000	11
	63 4-Nitroaniline	138	11.611	11.620	(1.072)	57571	10.0000	11
$	64 4,6-Dinitro-2methylphenol-d2	200	11.663	11.671	(0.906)	21646	10.0000	6.2(a)
	65 4,6-Dinitro-2-methylphenol	198	11.673	11.682	(0.907)	24438	10.0000	7.3(aQ)

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfw010.d
Report Date: 21-May-2009 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.724	11.723	(0.911)	180607	10.0000	11
	67 4-Bromophenyl-phenylether	248	12.207	12.216	(0.948)	59824	10.0000	11
	68 Hexachlorobenzene	284	12.413	12.411	(0.964)	67388	10.0000	11
	69 Atrazine	200	12.474	12.483	(0.969)	45409	10.0000	9.9
	70 Pentachlorophenol	266	12.638	12.647	(0.982)	34155	10.0000	9.5(a)
*	71 Phenanthrene-d10	188	12.813	12.811	(1.000)	886368	40.0000	(H)
	72 Phenanthrene	178	12.834	12.842	(0.997)	294947	10.0000	11(H)
$	73 Anthracene-d10	188	12.875	12.873	(1.000)	273503	10.0000	11
	74 Anthracene	178	12.895	12.904	(1.002)	296349	10.0000	11
	75 Carbazole	167	13.111	13.119	(1.018)	285403	10.0000	11
	76 Di-n-butylphthalate	149	13.665	13.664	(1.061)	373303	10.0000	11
	77 Fluoranthene	202	14.436	14.434	(1.121)	287341	10.0000	11
$	78 Pyrene-d10	212	14.713	14.711	(0.900)	219479	10.0000	9.6
	79 Pyrene	202	14.734	14.742	(0.901)	313288	10.0000	11
	80 Butylbenzylphthalate	149	15.658	15.656	(0.957)	148568	10.0000	10
	81 3,3'-Dichlorobenzidine	252	16.326	16.324	(0.998)	80348	10.0000	9.5
	82 Benzo(a)anthracene	228	16.336	16.334	(0.999)	258402	10.0000	11
*	83 Chrysene-d12	240	16.356	16.365	(1.000)	823708	40.0000	
	84 Chrysene	228	16.397	16.396	(1.002)	254446	10.0000	11
	85 Bis(2-ethylhexyl)phthalate	149	16.449	16.447	(1.006)	193055	10.0000	10
	86 Di-n-octylphthalate	149	17.219	17.217	(0.948)	289313	10.0000	11
	87 Benzo(b)fluoranthene	252	17.692	17.700	(0.974)	233207	10.0000	13
	88 Benzo(k)fluoranthene	252	17.722	17.731	(0.976)	247210	10.0000	10
$	89 Benzo(a)pyrene-d12	264	18.061	18.070	(0.994)	154624	10.0000	10
	90 Benzo(a)pyrene	252	18.092	18.101	(0.996)	197721	10.0000	11
*	91 Perylene-d12	264	18.164	18.162	(1.000)	636405	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.663	19.672	(1.083)	193174	10.0000	9.0
	93 Dibenzo(a,h)anthracene	278	19.684	19.682	(1.084)	160306	10.0000	9.0
	94 Benzo(g,h,i)perylene	276	20.095	20.103	(1.106)	174433	10.0000	9.2

QC Flag Legend

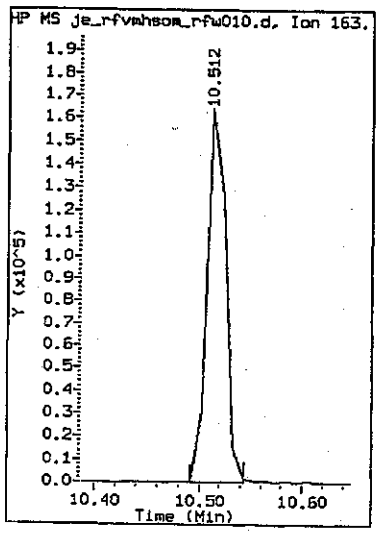
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

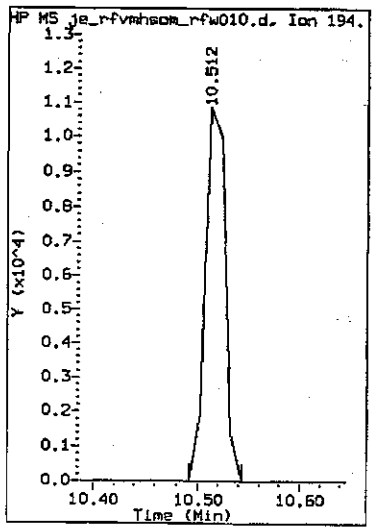
MANUAL INTEGRATION REPORT

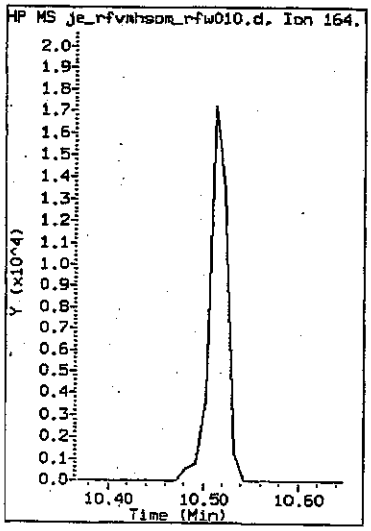
Data File Name: rfw010.d
Client Sample ID: SSTD005FW
Compound Name: Dimethylphthalate

Inj. Date and Time: 20-MAY-2009 14:58
Instrument ID: R.i
CAS #: 131-11-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/21/2009 09:29

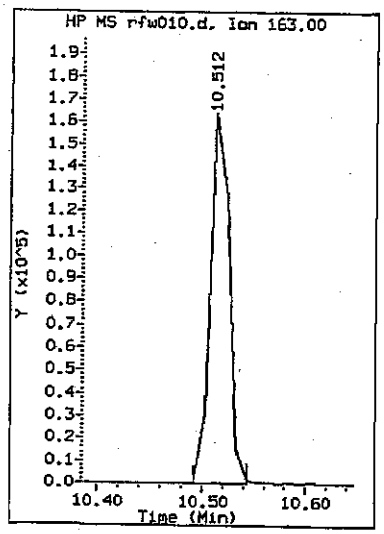


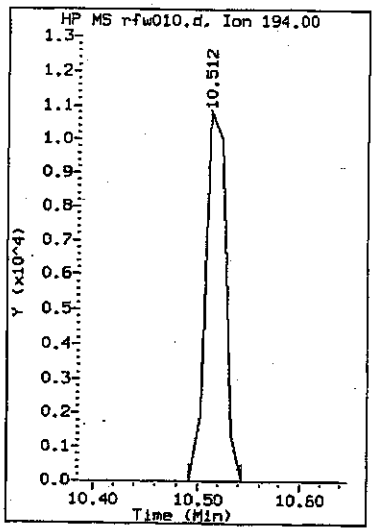


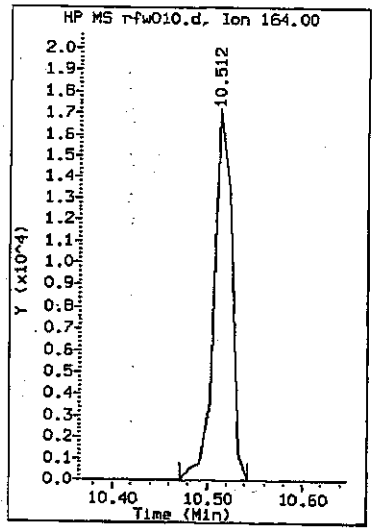


Original Integrations:

Area = 208841 Area = 14933 Area = 525705







Final Integrations:

Area = 208841 Area = 14933 Area = 22793

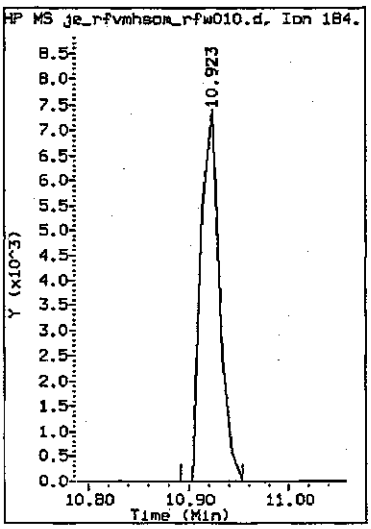
Manual Integration Reason: MI3 - Mis-identification of peak

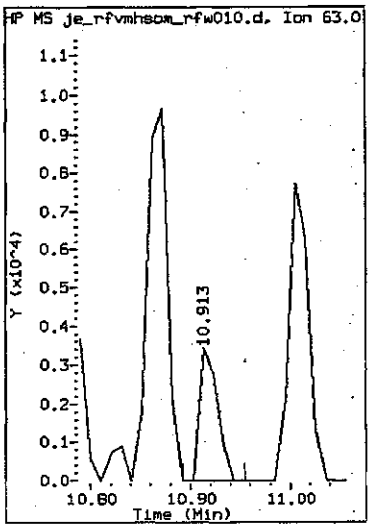
MANUAL INTEGRATION REPORT

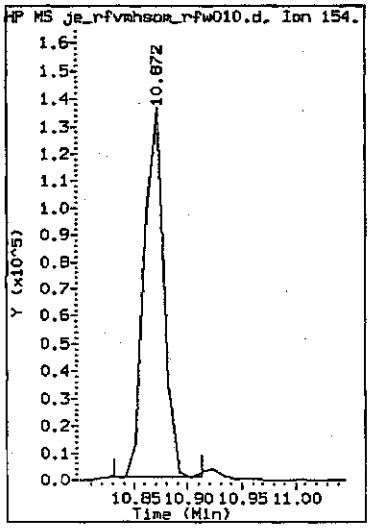
Data File Name: rfw010.d
Client Sample ID: SSTD005FW
Compound Name: 2,4-Dinitrophenol

Inj. Date and Time: 20-MAY-2009 14:58
Instrument ID: R.i
CAS #: 51-28-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/21/2009 09:29

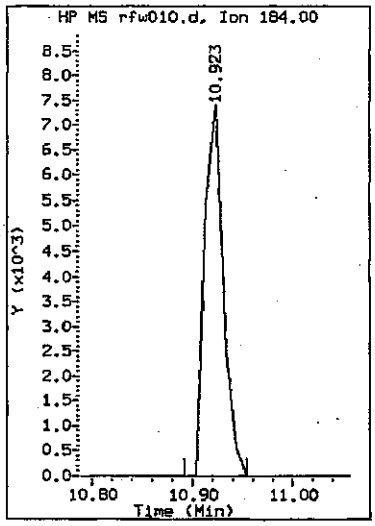


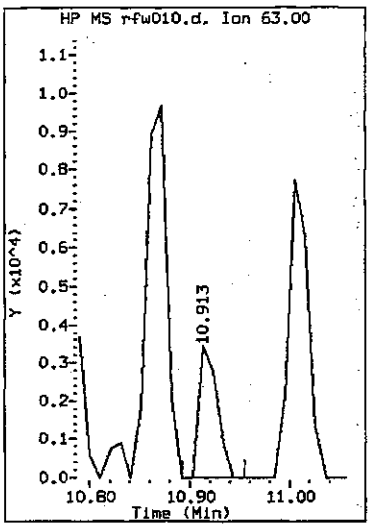


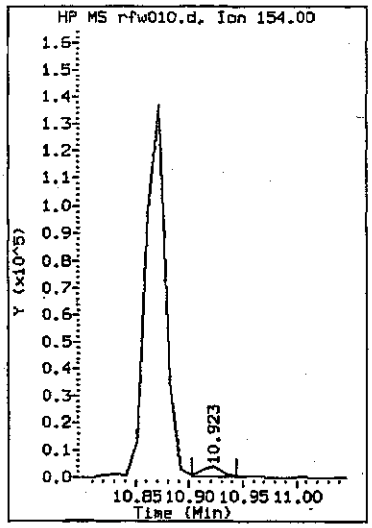


Original Integrations:

Area = 9797 Area = 4396 Area = 173649







Final Integrations:

Area = 9797 Area = 4396 Area = 4216

Manual Integration Reason: MI3 - Mis-identification of peak

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 0437

Lab File ID: RFW040ML Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020ML Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	1.021	0.010	2.3	40.0
Phenol	1.964	1.993	0.800	1.4	25.0
Bis(2-chloroethyl)ether	1.499	1.469	0.700	-2.0	25.0
2-Chlorophenol	1.509	1.491	0.800	-1.2	25.0
2-Methylphenol	1.284	1.273	0.700	-0.9	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.743	0.010	-1.0	40.0
Acetophenone	1.782	1.722	0.010	-3.4	40.0
4-Methylphenol	1.369	1.353	0.600	-1.1	25.0
N-Nitroso-di-n-propylamine	1.045	1.046	0.500	0.2	25.0
Hexachloroethane	0.600	0.599	0.300	-0.2	25.0
Nitrobenzene	0.386	0.382	0.200	-1.1	25.0
Isophorone	0.809	0.794	0.400	-1.8	25.0
2-Nitrophenol	0.229	0.229	0.100	-0.1	25.0
2,4-Dimethylphenol	0.358	0.360	0.200	0.6	25.0
Bis(2-chloroethoxy)methane	0.460	0.446	0.300	-3.2	25.0
2,4-Dichlorophenol	0.318	0.325	0.200	2.2	25.0
Naphthalene	1.091	1.068	0.700	-2.2	25.0
4-Chloroaniline	0.503	0.504	0.010	0.2	40.0
Hexachlorobutadiene	0.184	0.181	0.010	-1.8	40.0
Caprolactam	0.126	0.128	0.010	2.0	40.0
4-Chloro-3-methylphenol	0.307	0.310	0.200	1.0	25.0
2-Methylnaphthalene	0.686	0.675	0.400	-1.5	25.0
Hexachlorocyclopentadiene	0.261	0.250	0.010	-4.3	40.0
2,4,6-Trichlorophenol	0.416	0.413	0.200	-0.7	25.0
2,4,5-Trichlorophenol	0.434	0.428	0.200	-1.5	25.0
1,1'-Biphenyl	1.503	1.428	0.010	-4.9	40.0
2-Chloronaphthalene	1.291	1.241	0.800	-3.9	25.0
2-Nitroaniline	0.352	0.352	0.010	0.0	40.0
Dimethylphthalate	1.470	1.448	0.010	-1.5	40.0
2,6-Dinitrotoluene	0.364	0.362	0.200	-0.4	25.0
Acenaphthylene	2.094	2.007	0.900	-4.2	25.0
3-Nitroaniline	0.410	0.409	0.010	-0.1	40.0
Acenaphthene	1.266	1.227	0.900	-3.1	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 0437

Lab File ID: RFW040ML Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020ML Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.151	0.010	-10.1	40.0
4-Nitrophenol	0.183	0.186	0.010	1.7	40.0
Dibenzofuran	1.764	1.713	0.800	-2.9	25.0
2,4-Dinitrotoluene	0.475	0.483	0.200	1.6	25.0
Diethylphthalate	1.499	1.449	0.010	-3.3	40.0
Fluorene	1.464	1.415	0.900	-3.3	25.0
4-Chlorophenyl-phenylether	0.682	0.666	0.400	-2.4	25.0
4-Nitroaniline	0.401	0.417	0.010	4.0	40.0
4,6-Dinitro-2-methylphenol	0.151	0.151	0.010	0.3	40.0
N-Nitrosodiphenylamine (1)	0.734	0.721	0.010	-1.8	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.566	0.010	-6.2	40.0
4-Bromophenyl-phenylether	0.247	0.246	0.100	-0.6	25.0
Hexachlorobenzene	0.278	0.272	0.100	-2.4	25.0
Atrazine	0.207	0.208	0.010	0.7	40.0
Pentachlorophenol	0.162	0.167	0.050	3.2	25.0
Phenanthrene	1.199	1.204	0.700	0.3	25.0
Anthracene	1.203	1.202	0.700	-0.1	25.0
Carbazole	1.156	1.151	0.010	-0.4	40.0
Di-n-butylphthalate	1.538	1.525	0.010	-0.8	40.0
Fluoranthene	1.157	1.185	0.600	2.4	25.0
Pyrene	1.402	1.336	0.600	-4.7	25.0
Butylbenzylphthalate	0.705	0.698	0.010	-1.1	40.0
3,3'-Dichlorobenzidine	0.412	0.384	0.010	-6.6	40.0
Benzo(a)anthracene	1.159	1.150	0.800	-0.8	25.0
Chrysene	1.088	1.042	0.700	-4.2	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.942	0.010	0.9	40.0
Di-n-octylphthalate	1.711	1.814	0.010	6.0	40.0
Benzo(b)fluoranthene	1.169	1.298	0.700	11.1	25.0
Benzo(k)fluoranthene	1.481	1.369	0.700	-7.6	25.0
Benzo(a)pyrene	1.141	1.141	0.700	0.0	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.302	0.500	-3.5	25.0
Dibenzo(a,h)anthracene	1.119	1.096	0.400	-2.1	25.0
Benzo(g,h,i)perylene	1.188	1.062	0.500	-10.6	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.372	0.100	-0.5	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 0437

Lab File ID: RFW040ML Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020ML Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.576	0.010	-1.9	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.189	0.010	-2.9	25.0
2-Chlorophenol-d4	1.556	1.500	0.010	-3.6	25.0
4-Methylphenol-d8	1.223	1.211	0.010	-1.0	25.0
Nitrobenzene-d5	0.207	0.200	0.010	-3.6	25.0
2-Nitrophenol-d4	0.226	0.222	0.010	-1.8	25.0
2,4-Dichlorophenol-d3	0.350	0.340	0.010	-3.0	25.0
4-Chloroaniline-d4	0.511	0.498	0.010	-2.7	40.0
Dimethylphthalate-d6	1.476	1.404	0.010	-4.8	40.0
Acenaphthylene-d8	2.082	1.972	0.010	-5.3	25.0
4-Nitrophenol-d4	0.372	0.354	0.010	-5.0	40.0
Fluorene-d10	1.265	1.278	0.010	1.0	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.153	0.010	-2.4	40.0
Anthracene-d10	1.168	1.131	0.010	-3.2	25.0
Pyrene-d10	1.114	1.033	0.010	-7.3	25.0
Benzo(a)pyrene-d12	0.970	0.956	0.010	-1.5	25.0

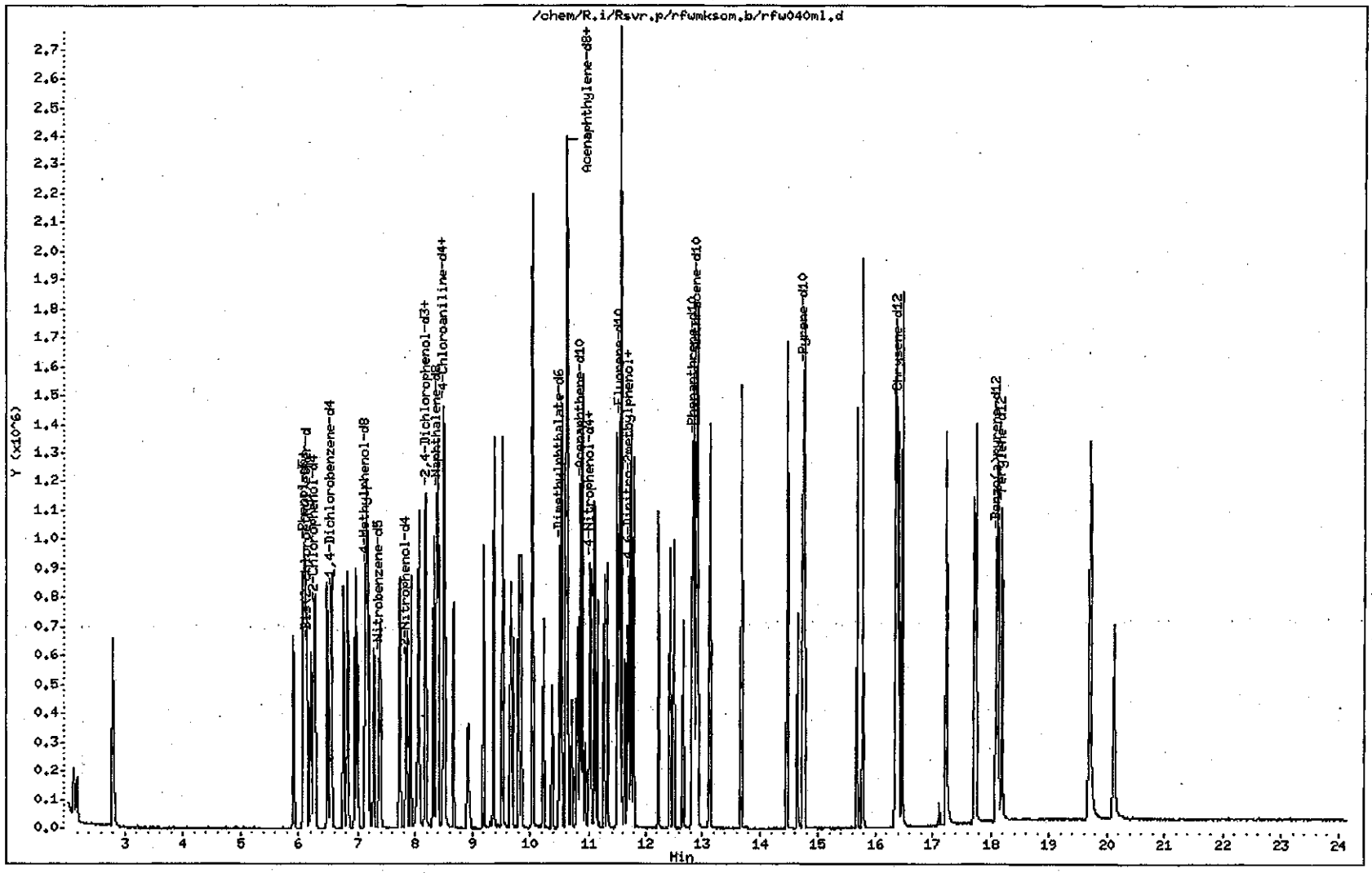
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040ml.d
Date : 21-MAY-2009 04:37
Client ID: SSTD020ML
Sample Info: SSTD020ML
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040ml.d
Report Date: 26-May-2009 16:24

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmksom.b/rfw040ml.d
Lab Smp Id: SSTD020ML Client Smp ID: SSTD020ML
Inj Date : 21-MAY-2009 04:37
Operator : djb Inst ID: R.i
Smp Info : SSTD020ML
Misc Info : SSTD020ML
Comment :
Method : /chem/R.i/Rsvr.p/rfwmksom.b/fsom12.m
Meth Date : 26-May-2009 16:24 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.916	5.916	(0.906)	217912	40.0000	41
$ 5 Phenol-d5	71	6.080	6.080	(0.931)	122972	40.0000	39
6 Phenol	94	6.101	6.101	(0.934)	425457	40.0000	41
$ 7 Bis(2-chloroethyl)ether-d8	67	6.142	6.142	(0.940)	253925	40.0000	39
8 Bis(2-chloroethyl)ether	93	6.203	6.203	(0.950)	313717	40.0000	39
$ 9 2-Chlorophenol-d4	132	6.255	6.255	(0.958)	320322	40.0000	39
10 2-Chlorophenol	128	6.275	6.275	(0.961)	318414	40.0000	40
* 11 1,4-Dichlorobenzene-d4	152	6.532	6.532	(1.000)	213499	40.0000	
13 2-Methylphenol	108	6.953	6.953	(1.064)	271704	40.0000	40
14 2,2'-Oxybis(1-chloropropane)	45	6.994	6.994	(1.071)	372099	40.0000	40
$ 15 4-Methylphenol-d8	113	7.128	7.128	(1.091)	258484	40.0000	40
16 Acetophenone	105	7.148	7.148	(1.094)	367549	40.0000	39
17 4-Methylphenol	108	7.169	7.169	(1.097)	288920	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040ml.d
Report Date: 26-May-2009 16:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.189	7.189	(1.101)	223411	40.0000	40
	20 Hexachloroethane	117	7.271	7.271	(1.113)	127812	40.0000	40
$	21 Nitrobenzene-d5	128	7.374	7.374	(0.881)	160959	40.0000	39
	22 Nitrobenzene	77	7.395	7.395	(0.883)	307749	40.0000	40
	23 Isophorone	82	7.734	7.734	(0.924)	640725	40.0000	39
$	24 2-Nitrophenol-d4	143	7.836	7.836	(0.936)	179149	40.0000	39
	25 2-Nitrophenol	139	7.857	7.857	(0.939)	184585	40.0000	40
	26 2,4-Dimethylphenol	107	7.929	7.929	(0.947)	290404	40.0000	40
	27 Bis(2-chloroethoxy)methane	93	8.062	8.062	(0.963)	359492	40.0000	39
$	28 2,4-Dichlorophenol-d3	165	8.175	8.175	(0.977)	274078	40.0000	39
	29 2,4-Dichlorophenol	162	8.196	8.196	(0.979)	262241	40.0000	41
*	30 Naphthalene-d8	136	8.370	8.370	(1.000)	806571	40.0000	
	31 Naphthalene	128	8.401	8.401	(1.004)	861044	40.0000	39
$	32 4-Chloroaniline-d4	131	8.494	8.494	(1.015)	401441	40.0000	39
	33 4-Chloroaniline	127	8.504	8.504	(1.016)	406532	40.0000	40
	34 Hexachlorobutadiene	225	8.678	8.678	(1.037)	145775	40.0000	39
	35 Caprolactam	113	8.935	8.935	(1.067)	103298	40.0000	41
	36 4-Chloro-3-methylphenol	107	9.202	9.202	(1.099)	249943	40.0000	40
	37 2-Methylnaphthalene	142	9.377	9.377	(1.120)	544764	40.0000	39
	38 1,2,4,5-Tetrachlorobenzene	216	9.675	9.675	(0.892)	253840	40.0000	38
	39 Hexachlorocyclopentadiene	237	9.705	9.705	(0.895)	111958	40.0000	38
	40 2,4,6-Trichlorophenol	196	9.808	9.808	(0.904)	185225	40.0000	40
	41 2,4,5-Trichlorophenol	196	9.859	9.859	(0.909)	191764	40.0000	39
	42 1,1'-Biphenyl	154	10.034	10.034	(0.925)	640399	40.0000	38
	43 2-Chloronaphthalene	162	10.044	10.044	(0.926)	556253	40.0000	38
	44 2-Nitroaniline	65	10.229	10.229	(0.943)	157843	40.0000	40
$	45 Dimethylphthalate-d6	166	10.507	10.507	(0.969)	629682	40.0000	38
	46 Dimethylphthalate	163	10.527	10.527	(0.971)	649084	40.0000	39
$	47 Acenaphthylene-d8	160	10.609	10.609	(0.978)	884121	40.0000	38
	48 Acenaphthylene	152	10.630	10.630	(0.980)	899705	40.0000	38
	49 2,6-Dinitrotoluene	165	10.620	10.620	(0.979)	162503	40.0000	40
	50 3-Nitroaniline	138	10.794	10.794	(0.995)	183444	40.0000	40
*	51 Acenaphthene-d10	164	10.845	10.845	(1.000)	448365	40.0000	
	52 Acenaphthene	153	10.887	10.887	(1.004)	550129	40.0000	39
	53 2,4-Dinitrophenol	184	10.938	10.938	(1.009)	67684	40.0000	36
$	54 4-Nitrophenol-d4	143	11.020	11.020	(1.016)	158575	40.0000	38
	55 4-Nitrophenol	109	11.030	11.030	(1.017)	83374	40.0000	41
	56 Dibenzofuran	168	11.102	11.102	(1.024)	768147	40.0000	39
	57 2,4-Dinitrotoluene	165	11.143	11.143	(1.027)	216348	40.0000	41
	58 2,3,4,6-Tetrachlorophenol	232	11.328	11.328	(1.044)	166671	40.0000	40
	59 Diethylphthalate	149	11.492	11.492	(1.060)	649853	40.0000	39
$	60 Fluorene-d10	176	11.523	11.523	(1.062)	573193	40.0000	40
	61 Fluorene	166	11.564	11.564	(1.066)	634438	40.0000	39
	62 4-Chlorophenyl-phenylether	204	11.575	11.575	(1.067)	298632	40.0000	39
	63 4-Nitroaniline	138	11.636	11.636	(1.073)	187135	40.0000	42
$	64 4,6-Dinitro-2methylphenol-d2	200	11.688	11.688	(0.912)	114880	40.0000	39
	65 4,6-Dinitro-2-methylphenol	198	11.698	11.698	(0.913)	113650	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040ml.d
Report Date: 26-May-2009 16:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.739	11.739	(0.916)	542122	40.0000	39
	67 4-Bromophenyl-phenylether	248	12.222	12.222	(0.954)	184891	40.0000	40
	68 Hexachlorobenzene	284	12.427	12.427	(0.970)	204291	40.0000	39
	69 Atrazine	200	12.499	12.499	(0.975)	156692	40.0000	40
	70 Pentachlorophenol	266	12.653	12.653	(0.987)	125598	40.0000	41
*	71 Phenanthrene-d10	188	12.817	12.817	(1.000)	752037	40.0000	
	72 Phenanthrene	178	12.848	12.848	(1.002)	905137	40.0000	40
$	73 Anthracene-d10	188	12.889	12.889	(1.006)	850810	40.0000	39
	74 Anthracene	178	12.910	12.910	(1.007)	903788	40.0000	40
	75 Carbazole	167	13.125	13.125	(1.024)	865853	40.0000	40
	76 Di-n-butylphthalate	149	13.680	13.680	(1.067)	1147076	40.0000	40
	77 Fluoranthene	202	14.450	14.450	(1.127)	891206	40.0000	41
$	78 Pyrene-d10	212	14.728	14.728	(0.900)	727693	40.0000	37
	79 Pyrene	202	14.748	14.748	(0.901)	941615	40.0000	38
	80 Butylbenzylphthalate	149	15.673	15.673	(0.957)	491652	40.0000	40
	81 3,3'-Dichlorobenzidine	252	16.340	16.340	(0.998)	270832	40.0000	37
	82 Benzo(a)anthracene	228	16.350	16.350	(0.999)	810537	40.0000	40
*	83 Chrysene-d12	240	16.371	16.371	(1.000)	704755	40.0000	
	84 Chrysene	228	16.412	16.412	(1.002)	734416	40.0000	38
	85 Bis(2-ethylhexyl)phthalate	149	16.463	16.463	(1.006)	663946	40.0000	40
	86 Di-n-octylphthalate	149	17.234	17.234	(0.948)	1087247	40.0000	42
	87 Benzo(b)fluoranthene	252	17.706	17.706	(0.974)	778187	40.0000	44
	88 Benzo(k)fluoranthene	252	17.737	17.737	(0.976)	820620	40.0000	37
$	89 Benzo(a)pyrene-d12	264	18.076	18.076	(0.994)	572993	40.0000	39
	90 Benzo(a)pyrene	252	18.107	18.107	(0.996)	684223	40.0000	40
*	91 Perylene-d12	264	18.179	18.179	(1.000)	599511	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.688	19.688	(1.083)	780639	40.0000	39
	93 Dibenzo(a,h)anthracene	278	19.709	19.709	(1.084)	657135	40.0000	39
	94 Benzo(g,h,i)perylene	276	20.120	20.120	(1.107)	636660	40.0000	36

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 1017

Lab File ID: RFW040MM Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MM Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	1.007	0.010	1.0	40.0
Phenol	1.964	1.904	0.800	-3.1	25.0
Bis(2-chloroethyl)ether	1.499	1.433	0.700	-4.4	25.0
2-Chlorophenol	1.509	1.474	0.800	-2.3	25.0
2-Methylphenol	1.284	1.253	0.700	-2.4	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.698	0.010	-3.6	40.0
Acetophenone	1.782	1.712	0.010	-3.9	40.0
4-Methylphenol	1.369	1.291	0.600	-5.7	25.0
N-Nitroso-di-n-propylamine	1.045	0.995	0.500	-4.8	25.0
Hexachloroethane	0.600	0.578	0.300	-3.7	25.0
Nitrobenzene	0.386	0.374	0.200	-3.0	25.0
Isophorone	0.809	0.770	0.400	-4.8	25.0
2-Nitrophenol	0.229	0.222	0.100	-3.0	25.0
2,4-Dimethylphenol	0.358	0.347	0.200	-3.2	25.0
Bis(2-chloroethoxy)methane	0.460	0.434	0.300	-5.7	25.0
2,4-Dichlorophenol	0.318	0.315	0.200	-1.1	25.0
Naphthalene	1.091	1.060	0.700	-2.9	25.0
4-Chloroaniline	0.503	0.495	0.010	-1.5	40.0
Hexachlorobutadiene	0.184	0.178	0.010	-3.1	40.0
Caprolactam	0.126	0.131	0.010	4.3	40.0
4-Chloro-3-methylphenol	0.307	0.304	0.200	-1.0	25.0
2-Methylnaphthalene	0.686	0.664	0.400	-3.2	25.0
Hexachlorocyclopentadiene	0.261	0.244	0.010	-6.4	40.0
2,4,6-Trichlorophenol	0.416	0.405	0.200	-2.6	25.0
2,4,5-Trichlorophenol	0.434	0.440	0.200	1.3	25.0
1,1'-Biphenyl	1.503	1.460	0.010	-2.8	40.0
2-Chloronaphthalene	1.291	1.248	0.800	-3.3	25.0
2-Nitroaniline	0.352	0.350	0.010	-0.4	40.0
Dimethylphthalate	1.470	1.438	0.010	-2.2	40.0
2,6-Dinitrotoluene	0.364	0.368	0.200	1.1	25.0
Acenaphthylene	2.094	2.024	0.900	-3.3	25.0
3-Nitroaniline	0.410	0.421	0.010	2.8	40.0
Acenaphthene	1.266	1.221	0.900	-3.6	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 1017

Lab File ID: RFW040MM Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MM Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.164	0.010	-2.6	40.0
4-Nitrophenol	0.183	0.188	0.010	2.8	40.0
Dibenzofuran	1.764	1.711	0.800	-3.0	25.0
2,4-Dinitrotoluene	0.475	0.476	0.200	0.2	25.0
Diethylphthalate	1.499	1.465	0.010	-2.3	40.0
Fluorene	1.464	1.438	0.900	-1.7	25.0
4-Chlorophenyl-phenylether	0.682	0.652	0.400	-4.4	25.0
4-Nitroaniline	0.401	0.434	0.010	8.0	40.0
4,6-Dinitro-2-methylphenol	0.151	0.151	0.010	0.1	40.0
N-Nitrosodiphenylamine (1)	0.734	0.689	0.010	-6.0	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.571	0.010	-5.4	40.0
4-Bromophenyl-phenylether	0.247	0.234	0.100	-5.5	25.0
Hexachlorobenzene	0.278	0.265	0.100	-4.9	25.0
Atrazine	0.207	0.204	0.010	-1.3	40.0
Pentachlorophenol	0.162	0.169	0.050	4.1	25.0
Phenanthrene	1.199	1.163	0.700	-3.0	25.0
Anthracene	1.203	1.154	0.700	-4.1	25.0
Carbazole	1.156	1.153	0.010	-0.3	40.0
Di-n-butylphthalate	1.538	1.510	0.010	-1.8	40.0
Fluoranthene	1.157	1.179	0.600	1.9	25.0
Pyrene	1.402	1.271	0.600	-9.3	25.0
Butylbenzylphthalate	0.705	0.662	0.010	-6.2	40.0
3,3'-Dichlorobenzidine	0.412	0.370	0.010	-10.1	40.0
Benzo(a)anthracene	1.159	1.100	0.800	-5.1	25.0
Chrysene	1.088	1.012	0.700	-6.9	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.919	0.010	-1.5	40.0
Di-n-octylphthalate	1.711	1.724	0.010	0.8	40.0
Benzo(b)fluoranthene	1.169	1.309	0.700	12.0	25.0
Benzo(k)fluoranthene	1.481	1.292	0.700	-12.7	25.0
Benzo(a)pyrene	1.141	1.101	0.700	-3.5	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.241	0.500	-8.1	25.0
Dibenzo(a,h)anthracene	1.119	1.057	0.400	-5.5	25.0
Benzo(g,h,i)perylene	1.188	1.056	0.500	-11.1	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.371	0.100	-0.6	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 1017

Lab File ID: RFW040MM Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MM Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

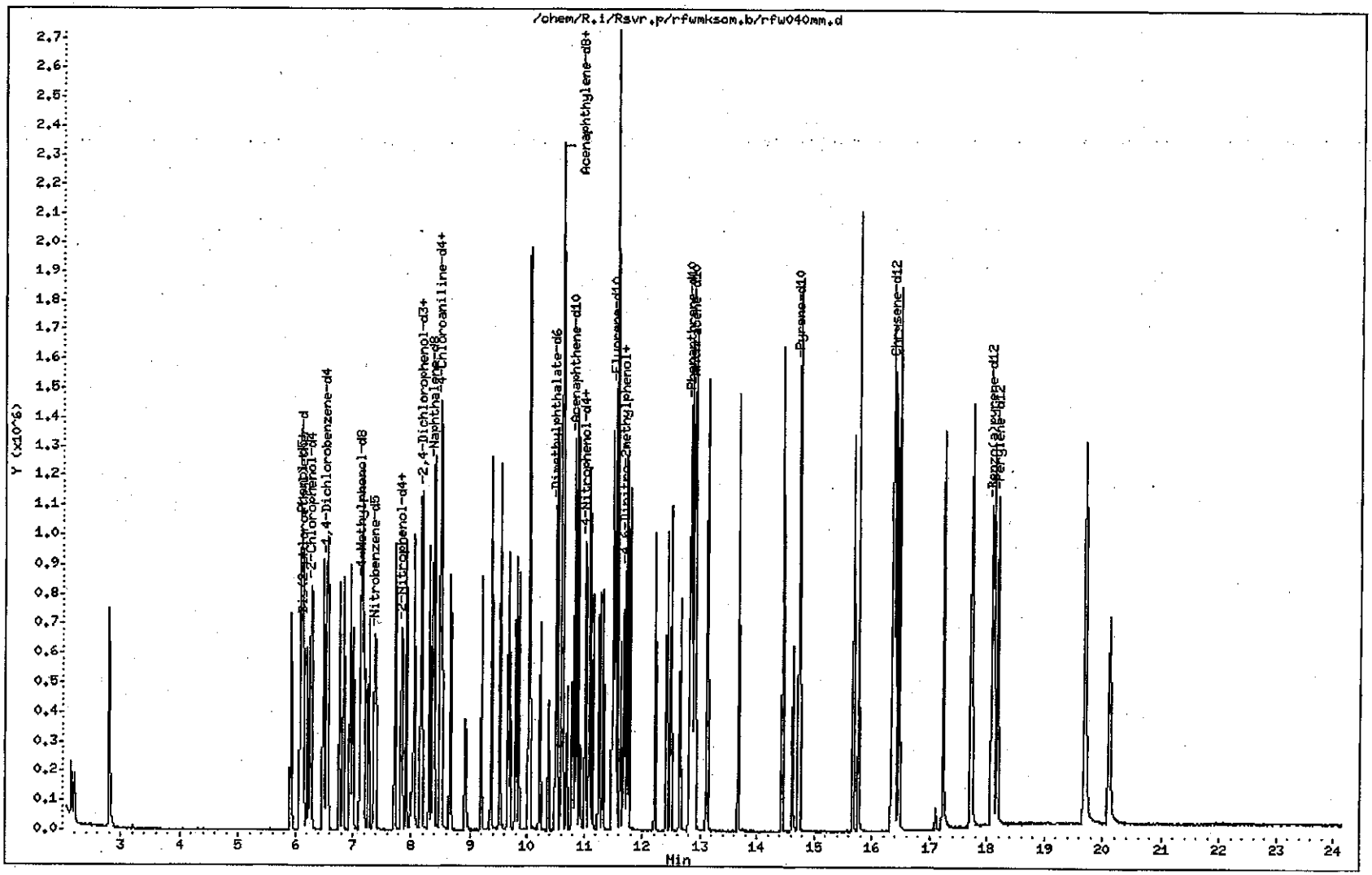
COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.560	0.010	-4.6	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.167	0.010	-4.7	25.0
2-Chlorophenol-d4	1.556	1.512	0.010	-2.8	25.0
4-Methylphenol-d8	1.223	1.143	0.010	-6.6	25.0
Nitrobenzene-d5	0.207	0.201	0.010	-2.6	25.0
2-Nitrophenol-d4	0.226	0.222	0.010	-1.8	25.0
2,4-Dichlorophenol-d3	0.350	0.345	0.010	-1.6	25.0
4-Chloroaniline-d4	0.511	0.489	0.010	-4.4	40.0
Dimethylphthalate-d6	1.476	1.425	0.010	-3.4	40.0
Acenaphthylene-d8	2.082	2.009	0.010	-3.5	25.0
4-Nitrophenol-d4	0.372	0.376	0.010	1.0	40.0
Fluorene-d10	1.265	1.192	0.010	-5.8	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.152	0.010	-2.9	40.0
Anthracene-d10	1.168	1.125	0.010	-3.7	25.0
Pyrene-d10	1.114	1.002	0.010	-10.1	25.0
Benzo(a)pyrene-d12	0.970	0.937	0.010	-3.5	25.0

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mm.d
Date : 21-MAY-2009 10:17
Client ID: SSTD020MM
Sample Info: SSTD020MM
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mm.d
Report Date: 26-May-2009 16:24

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mm.d
Lab Smp Id: SSTD020MM Client Smp ID: SSTD020MM
Inj Date : 21-MAY-2009 10:17
Operator : djb Inst ID: R.i
Smp Info : SSTD020MM
Misc Info : SSTD020MM
Comment :
Method : /chem/R.i/Rsvr.p/rfwmksom.b/fsom12.m
Meth Date : 26-May-2009 16:24 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.912	5.912	(0.906)	223383	40.0000	40
$ 5 Phenol-d5	71	6.077	6.077	(0.931)	124168	40.0000	38
6 Phenol	94	6.097	6.097	(0.934)	422349	40.0000	39
$ 7 Bis(2-chloroethyl)ether-d8	67	6.128	6.128	(0.939)	258896	40.0000	38
8 Bis(2-chloroethyl)ether	93	6.200	6.200	(0.950)	317907	40.0000	38
$ 9 2-Chlorophenol-d4	132	6.251	6.251	(0.958)	335358	40.0000	39
10 2-Chlorophenol	128	6.272	6.272	(0.961)	326909	40.0000	39
* 11 1,4-Dichlorobenzene-d4	152	6.528	6.528	(1.000)	221794	40.0000	
13 2-Methylphenol	108	6.950	6.950	(1.064)	277908	40.0000	39
14 2,2'-Oxybis(1-chloropropane)	45	6.991	6.991	(1.071)	376627	40.0000	39
$ 15 4-Methylphenol-d8	113	7.124	7.124	(1.091)	253441	40.0000	37
16 Acetophenone	105	7.145	7.145	(1.094)	379686	40.0000	38
17 4-Methylphenol	108	7.155	7.155	(1.096)	286337	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mm.d
Report Date: 26-May-2009 16:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
19 N-Nitroso-di-n-propylamine	70	7.186	7.186	(1.101)	220629	40.0000	38
20 Hexachloroethane	117	7.268	7.268	(1.113)	128130	40.0000	39
$ 21 Nitrobenzene-d5	128	7.360	7.360	(0.880)	163548	40.0000	39
22 Nitrobenzene	77	7.391	7.391	(0.883)	303982	40.0000	39
23 Isophorone	82	7.720	7.720	(0.923)	625123	40.0000	38
$ 24 2-Nitrophenol-d4	143	7.833	7.833	(0.936)	180400	40.0000	39
25 2-Nitrophenol	139	7.853	7.853	(0.939)	180292	40.0000	39
26 2,4-Dimethylphenol	107	7.915	7.915	(0.946)	281422	40.0000	39
27 Bis(2-chloroethoxy)methane	93	8.059	8.059	(0.963)	352319	40.0000	38
$ 28 2,4-Dichlorophenol-d3	165	8.172	8.172	(0.977)	279869	40.0000	39
29 2,4-Dichlorophenol	162	8.182	8.182	(0.978)	255464	40.0000	40
* 30 Naphthalene-d8	136	8.367	8.367	(1.000)	811775	40.0000	
31 Naphthalene	128	8.398	8.398	(1.004)	860361	40.0000	39
$ 32 4-Chloroaniline-d4	131	8.490	8.490	(1.015)	396971	40.0000	38
33 4-Chloroaniline	127	8.500	8.500	(1.016)	402148	40.0000	39
34 Hexachlorobutadiene	225	8.665	8.665	(1.036)	144809	40.0000	39
35 Caprolactam	113	8.921	8.921	(1.066)	106321	40.0000	42
36 4-Chloro-3-methylphenol	107	9.199	9.199	(1.099)	246555	40.0000	40
37 2-Methylnaphthalene	142	9.373	9.373	(1.120)	538898	40.0000	39
38 1,2,4,5-Tetrachlorobenzene	216	9.661	9.661	(0.892)	247630	40.0000	38
39 Hexachlorocyclopentadiene	237	9.702	9.702	(0.896)	105947	40.0000	37
40 2,4,6-Trichlorophenol	196	9.805	9.805	(0.905)	175790	40.0000	39
41 2,4,5-Trichlorophenol	196	9.856	9.856	(0.910)	190694	40.0000	41
42 1,1'-Biphenyl	154	10.031	10.031	(0.926)	633469	40.0000	39
43 2-Chloronaphthalene	162	10.041	10.041	(0.927)	541421	40.0000	39
44 2-Nitroaniline	65	10.226	10.226	(0.944)	152028	40.0000	40
$ 45 Dimethylphthalate-d6	166	10.493	10.493	(0.969)	618158	40.0000	39
46 Dimethylphthalate	163	10.524	10.524	(0.972)	623828	40.0000	39
$ 47 Acenaphthylene-d8	160	10.606	10.606	(0.979)	871562	40.0000	39
48 Acenaphthylene	152	10.626	10.626	(0.981)	878144	40.0000	39
49 2,6-Dinitrotoluene	165	10.616	10.616	(0.980)	159545	40.0000	40
50 3-Nitroaniline	138	10.791	10.791	(0.996)	182674	40.0000	41
* 51 Acenaphthene-d10	164	10.832	10.832	(1.000)	433803	40.0000	
52 Acenaphthene	153	10.873	10.873	(1.004)	529568	40.0000	39
53 2,4-Dinitrophenol	184	10.934	10.934	(1.009)	70927	40.0000	39
$ 54 4-Nitrophenol-d4	143	11.017	11.017	(1.017)	163147	40.0000	40
55 4-Nitrophenol	109	11.027	11.027	(1.018)	81520	40.0000	41
56 Dibenzofuran	168	11.089	11.089	(1.024)	742398	40.0000	39
57 2,4-Dinitrotoluene	165	11.140	11.140	(1.028)	206513	40.0000	40
58 2,3,4,6-Tetrachlorophenol	232	11.325	11.325	(1.046)	161083	40.0000	40
59 Diethylphthalate	149	11.489	11.489	(1.061)	635573	40.0000	39
$ 60 Fluorene-d10	176	11.520	11.520	(1.064)	516909	40.0000	38
61 Fluorene	166	11.561	11.561	(1.067)	623981	40.0000	39
62 4-Chlorophenyl-phenylether	204	11.561	11.561	(1.067)	282919	40.0000	38
63 4-Nitroaniline	138	11.623	11.623	(1.073)	188170	40.0000	43
$ 64 4,6-Dinitro-2methylphenol-d2	200	11.684	11.684	(0.912)	115157	40.0000	39
65 4,6-Dinitro-2-methylphenol	198	11.684	11.684	(0.912)	114366	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mm.d
Report Date: 26-May-2009 16:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 N-Nitrosodiphenylamine	169	11.736	11.736	(0.916)	522923	40.0000	38
67 4-Bromophenyl-phenylether	248	12.218	12.218	(0.954)	177281	40.0000	38
68 Hexachlorobenzene	284	12.413	12.413	(0.969)	200845	40.0000	38
69 Atrazine	200	12.485	12.485	(0.974)	154908	40.0000	39
70 Pentachlorophenol	266	12.650	12.650	(0.987)	127798	40.0000	42
* 71 Phenanthrene-d10	188	12.814	12.814	(1.000)	758445	40.0000	
72 Phenanthrene	178	12.845	12.845	(1.002)	882029	40.0000	39
$ 73 Anthracene-d10	188	12.886	12.886	(1.006)	853180	40.0000	39
74 Anthracene	178	12.906	12.906	(1.007)	875577	40.0000	38
75 Carbazole	167	13.122	13.122	(1.024)	874485	40.0000	40
76 Di-n-butylphthalate	149	13.666	13.666	(1.067)	1145269	40.0000	39
77 Fluoranthene	202	14.447	14.447	(1.127)	894043	40.0000	41
$ 78 Pyrene-d10	212	14.724	14.724	(0.900)	746635	40.0000	36
79 Pyrene	202	14.745	14.745	(0.901)	947266	40.0000	36
80 Butylbenzylphthalate	149	15.669	15.669	(0.957)	493152	40.0000	38
81 3,3'-Dichlorobenzidine	252	16.326	16.326	(0.997)	275827	40.0000	36
82 Benzo(a)anthracene	228	16.347	16.347	(0.999)	819767	40.0000	38
* 83 Chrysene-d12	240	16.368	16.368	(1.000)	745090	40.0000	
84 Chrysene	228	16.398	16.398	(1.002)	754359	40.0000	37
85 Bis(2-ethylhexyl)phthalate	149	16.460	16.460	(1.006)	685071	40.0000	39
86 Di-n-octylphthalate	149	17.230	17.230	(0.948)	1102067	40.0000	40
87 Benzo(b)fluoranthene	252	17.703	17.703	(0.974)	836784	40.0000	45
88 Benzo(k)fluoranthene	252	17.733	17.733	(0.976)	826211	40.0000	35
$ 89 Benzo(a)pyrene-d12	264	18.072	18.072	(0.994)	598950	40.0000	39
90 Benzo(a)pyrene	252	18.103	18.103	(0.996)	704035	40.0000	39
* 91 Perylene-d12	264	18.175	18.175	(1.000)	639393	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	19.685	19.685	(1.083)	793269	40.0000	37
93 Dibenzo(a,h)anthracene	278	19.695	19.695	(1.084)	676037	40.0000	38
94 Benzo(g,h,i)perylene	276	20.106	20.106	(1.106)	675498	40.0000	36

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 2121

Lab File ID: RFW040MN Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MN Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Benzaldehyde	0.997	0.983	0.010	-1.5	50.0	
Phenol	1.964	1.961	0.010	-0.2	50.0	
Bis(2-chloroethyl)ether	1.499	1.467	0.010	-2.1	50.0	
2-Chlorophenol	1.509	1.499	0.010	-0.7	50.0	
2-Methylphenol	1.284	1.283	0.010	-0.0	50.0	
2,2'-Oxybis(1-chloropropane)	1.761	1.804	0.010	2.4	50.0	
Acetophenone	1.782	1.769	0.010	-0.7	50.0	
4-Methylphenol	1.369	1.389	0.010	1.5	50.0	
N-Nitroso-di-n-propylamine	1.045	1.038	0.010	-0.7	50.0	
Hexachloroethane	0.600	0.475	0.010	-20.9	50.0	
Nitrobenzene	0.386	0.379	0.010	-1.7	50.0	
Isophorone	0.809	0.777	0.010	-3.9	50.0	
2-Nitrophenol	0.229	0.216	0.010	-5.7	50.0	
2,4-Dimethylphenol	0.358	0.339	0.010	-5.3	50.0	
Bis(2-chloroethoxy)methane	0.460	0.450	0.010	-2.3	50.0	
2,4-Dichlorophenol	0.318	0.310	0.010	-2.6	50.0	
Naphthalene	1.091	1.058	0.010	-3.1	50.0	
4-Chloroaniline	0.503	0.475	0.010	-5.6	50.0	
Hexachlorobutadiene	0.184	0.174	0.010	-5.3	50.0	
Caprolactam	0.126	0.125	0.010	-0.7	50.0	
4-Chloro-3-methylphenol	0.307	0.302	0.010	-1.6	50.0	
2-Methylnaphthalene	0.686	0.665	0.010	-3.1	50.0	
Hexachlorocyclopentadiene	0.261	0.019	0.010	-92.7	50.0	<-
2,4,6-Trichlorophenol	0.416	0.411	0.010	-1.3	50.0	
2,4,5-Trichlorophenol	0.434	0.418	0.010	-3.6	50.0	
1,1'-Biphenyl	1.503	1.488	0.010	-0.9	50.0	
2-Chloronaphthalene	1.291	1.264	0.010	-2.1	50.0	
2-Nitroaniline	0.352	0.372	0.010	5.8	50.0	
Dimethylphthalate	1.470	1.427	0.010	-2.9	50.0	
2,6-Dinitrotoluene	0.364	0.355	0.010	-2.3	50.0	
Acenaphthylene	2.094	2.034	0.010	-2.9	50.0	
3-Nitroaniline	0.410	0.411	0.010	0.4	50.0	
Acenaphthene	1.266	1.235	0.010	-2.4	50.0	

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 2121

Lab File ID: RFW040MN Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MN Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
2,4-Dinitrophenol	0.168	0.052	0.010	-68.8	50.0	<-
4-Nitrophenol	0.183	0.175	0.010	-4.0	50.0	
Dibenzofuran	1.764	1.722	0.010	-2.4	50.0	
2,4-Dinitrotoluene	0.475	0.457	0.010	-3.9	50.0	
Diethylphthalate	1.499	1.465	0.010	-2.3	50.0	
Fluorene	1.464	1.414	0.010	-3.4	50.0	
4-Chlorophenyl-phenylether	0.682	0.667	0.010	-2.2	50.0	
4-Nitroaniline	0.401	0.390	0.010	-3.0	50.0	
4,6-Dinitro-2-methylphenol	0.151	0.068	0.010	-55.0	50.0	<-
N-Nitrosodiphenylamine (1)	0.734	0.741	0.010	0.9	50.0	
1,2,4,5-Tetrachlorobenzene	0.604	0.580	0.010	-4.0	50.0	
4-Bromophenyl-phenylether	0.247	0.252	0.010	1.8	50.0	
Hexachlorobenzene	0.278	0.264	0.010	-5.3	50.0	
Atrazine	0.207	0.209	0.010	0.8	50.0	
Pentachlorophenol	0.162	0.155	0.010	-4.4	50.0	
Phenanthrene	1.199	1.133	0.010	-5.6	50.0	
Anthracene	1.203	1.115	0.010	-7.4	50.0	
Carbazole	1.156	1.074	0.010	-7.1	50.0	
Di-n-butylphthalate	1.538	1.548	0.010	0.7	50.0	
Fluoranthene	1.157	1.063	0.010	-8.1	50.0	
Pyrene	1.402	1.007	0.010	-28.2	50.0	
Butylbenzylphthalate	0.705	0.563	0.010	-20.1	50.0	
3,3'-Dichlorobenzidine	0.412	0.402	0.010	-2.4	50.0	
Benzo(a)anthracene	1.159	1.130	0.010	-2.5	50.0	
Chrysene	1.088	1.042	0.010	-4.2	50.0	
Bis(2-ethylhexyl)phthalate	0.934	0.792	0.010	-15.1	50.0	
Di-n-octylphthalate	1.711	2.086	0.010	21.9	50.0	
Benzo(b)fluoranthene	1.169	1.742	0.010	49.0	50.0	
Benzo(k)fluoranthene	1.481	1.402	0.010	-5.3	50.0	
Benzo(a)pyrene	1.141	1.158	0.010	1.5	50.0	
Indeno(1,2,3-cd)pyrene	1.350	0.615	0.010	-54.4	50.0	<-
Dibenzo(a,h)anthracene	1.119	0.554	0.010	-50.5	50.0	<-
Benzo(g,h,i)perylene	1.188	0.446	0.010	-62.5	50.0	<-
2,3,4,6-Tetrachlorophenol	0.374	0.347	0.010	-7.1	50.0	

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/21/2009 Time: 2121

Lab File ID: RFW040MN Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MN Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Phenol-d5	0.587	0.584	0.010	-0.6	50.0	
Bis(2-chloroethyl)ether-d8	1.225	1.224	0.010	-0.1	50.0	
2-Chlorophenol-d4	1.556	1.528	0.010	-1.8	50.0	
4-Methylphenol-d8	1.223	1.200	0.010	-1.9	50.0	
Nitrobenzene-d5	0.207	0.204	0.010	-1.4	50.0	
2-Nitrophenol-d4	0.226	0.220	0.010	-2.7	50.0	
2,4-Dichlorophenol-d3	0.350	0.343	0.010	-2.1	50.0	
4-Chloroaniline-d4	0.511	0.487	0.010	-4.7	50.0	
Dimethylphthalate-d6	1.476	1.443	0.010	-2.2	50.0	
Acenaphthylene-d8	2.082	2.015	0.010	-3.2	50.0	
4-Nitrophenol-d4	0.372	0.348	0.010	-6.6	50.0	
Fluorene-d10	1.265	1.130	0.010	-10.7	50.0	
4,6-Dinitro-2methylphenol-d2	0.156	0.070	0.010	-55.3	50.0	<-
Anthracene-d10	1.168	1.087	0.010	-6.9	50.0	
Pyrene-d10	1.114	0.811	0.010	-27.2	50.0	
Benzo(a)pyrene-d12	0.970	1.011	0.010	4.2	50.0	

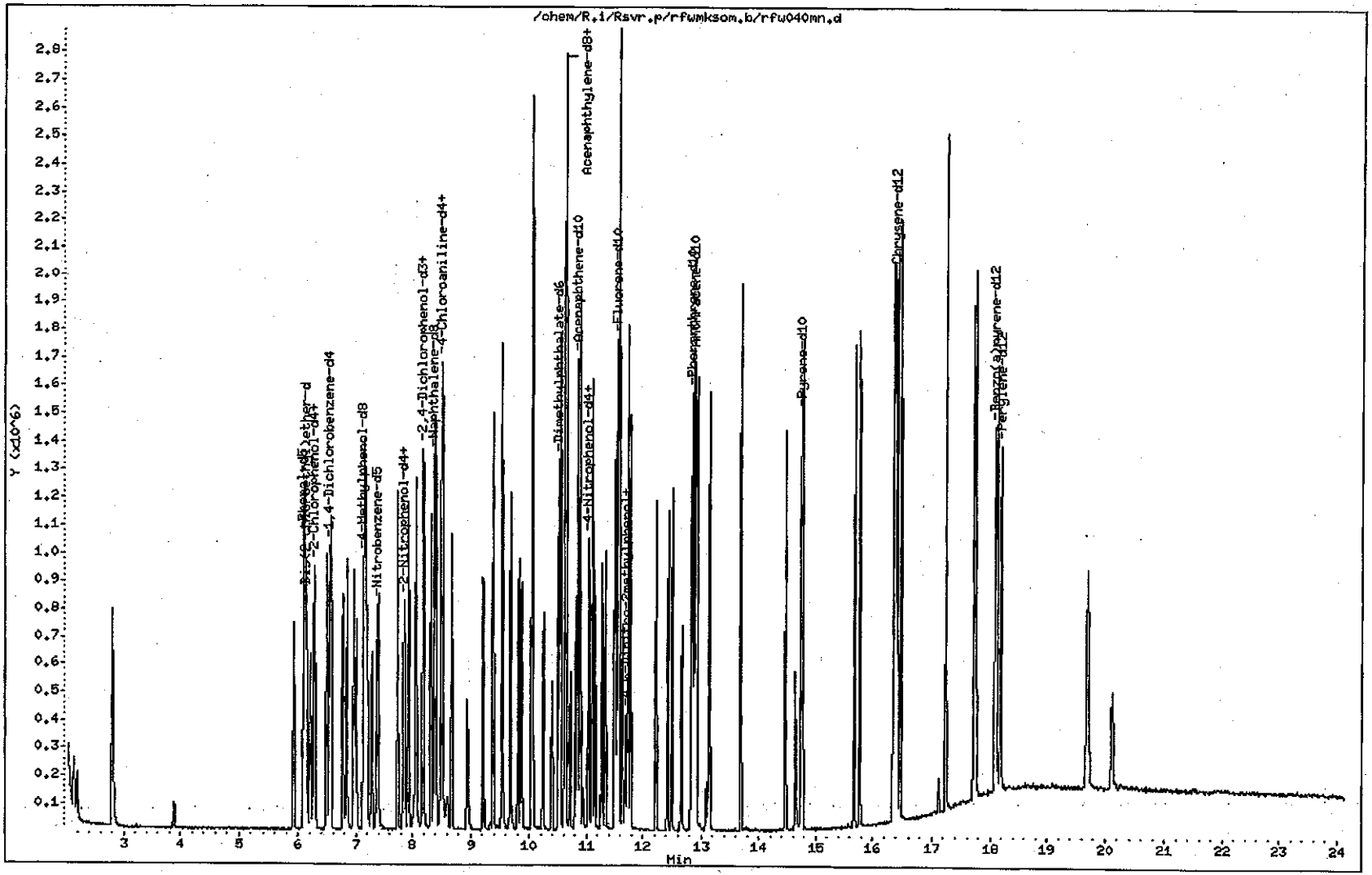
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mn.d
Date : 21-MAY-2009 21:21
Client ID: SSTD020MN
Sample Info:
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mn.d
Report Date: 26-May-2009 16:25

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mn.d
Lab Smp Id: SSTD020MN
Client Smp ID: SSTD020MN
Inj Date : 21-MAY-2009 21:21
Operator : djb
Inst ID: R.i
Smp Info :
Misc Info : SSTD020MN
Comment :
Method : /chem/R.i/Rsvr.p/rfwmksom.b/fRFWf7.m
Meth Date : 26-May-2009 16:25 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 14:58
Cal File: rfw010.d
Als bottle: 20
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable — Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	4 Benzaldehyde	77	5.926	5.926	(0.906)	245865	40.0000	39
$	5 Phenol-d5	71	6.091	6.091	(0.931)	145797	40.0000	40
	6 Phenol	94	6.101	6.101	(0.932)	489914	40.0000	40
$	7 Bis(2-chloroethyl)ether-d8	67	6.142	6.142	(0.939)	305894	40.0000	40
	8 Bis(2-chloroethyl)ether	93	6.214	6.214	(0.950)	366499	40.0000	39
$	9 2-Chlorophenol-d4	132	6.265	6.265	(0.958)	381790	40.0000	39
	10 2-Chlorophenol	128	6.286	6.286	(0.961)	374410	40.0000	40
*	11 1,4-Dichlorobenzene-d4	152	6.543	6.543	(1.000)	249845	40.0000	
	13 2-Methylphenol	108	6.964	6.964	(1.064)	320664	40.0000	40
	14 2,2'-Oxybis(1-chloropropane)	45	6.995	6.995	(1.069)	450598	40.0000	41
$	15 4-Methylphenol-d8	113	7.128	7.128	(1.089)	299889	40.0000	39
	16 Acetophenone	105	7.159	7.159	(1.094)	441948	40.0000	40
	17 4-Methylphenol	108	7.169	7.169	(1.096)	346964	40.0000	41

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mn.d
Report Date: 26-May-2009 16:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.200	7.200	(1.100)	259327	40.0000	40
	20 Hexachloroethane	117	7.282	7.282	(1.113)	118577	40.0000	32
$	21 Nitrobenzene-d5	128	7.375	7.375	(0.880)	197660	40.0000	39
	22 Nitrobenzene	77	7.395	7.395	(0.882)	367753	40.0000	39
	23 Isophorone	82	7.734	7.734	(0.923)	753565	40.0000	38
$	24 2-Nitrophenol-d4	143	7.847	7.847	(0.936)	213276	40.0000	39
	25 2-Nitrophenol	139	7.868	7.868	(0.939)	209324	40.0000	38
	26 2,4-Dimethylphenol	107	7.929	7.929	(0.946)	328492	40.0000	38
	27 Bis(2-chloroethoxy)methane	93	8.063	8.063	(0.962)	435990	40.0000	39
$	28 2,4-Dichlorophenol-d3	165	8.186	8.186	(0.977)	332585	40.0000	39
	29 2,4-Dichlorophenol	162	8.196	8.196	(0.978)	300517	40.0000	39
*	30 Naphthalene-d8	136	8.381	8.381	(1.000)	969222	40.0000	
	31 Naphthalene	128	8.402	8.402	(1.002)	1024973	40.0000	39
$	32 4-Chloroaniline-d4	131	8.504	8.504	(1.015)	472485	40.0000	38
	33 4-Chloroaniline	127	8.515	8.515	(1.016)	460012	40.0000	38
	34 Hexachlorobutadiene	225	8.679	8.679	(1.036)	168889	40.0000	38
	35 Caprolactam	113	8.946	8.946	(1.067)	120858	40.0000	40
	36 4-Chloro-3-methylphenol	107	9.213	9.213	(1.099)	292654	40.0000	39
	37 2-Methylnaphthalene	142	9.377	9.377	(1.119)	644064	40.0000	39
	38 1,2,4,5-Tetrachlorobenzene	216	9.675	9.675	(0.892)	294055	40.0000	38
	39 Hexachlorocyclopentadiene	237	9.706	9.706	(0.895)	9685	40.0000	2.9(a)
	40 2,4,6-Trichlorophenol	196	9.819	9.819	(0.905)	208289	40.0000	39
	41 2,4,5-Trichlorophenol	196	9.870	9.870	(0.910)	212281	40.0000	39
	42 1,1'-Biphenyl	154	10.045	10.045	(0.926)	755096	40.0000	40
	43 2-Chloronaphthalene	162	10.055	10.055	(0.927)	641244	40.0000	39
	44 2-Nitroaniline	65	10.240	10.240	(0.944)	188971	40.0000	42
$	45 Dimethylphthalate-d6	166	10.507	10.507	(0.969)	732149	40.0000	39
	46 Dimethylphthalate	163	10.538	10.538	(0.972)	723809	40.0000	39
$	47 Acenaphthylene-d8	160	10.620	10.620	(0.979)	1022178	40.0000	39
	48 Acenaphthylene	152	10.630	10.630	(0.980)	1031887	40.0000	39
	49 2,6-Dinitrotoluene	165	10.620	10.620	(0.979)	180311	40.0000	39
	50 3-Nitroaniline	138	10.805	10.805	(0.996)	208517	40.0000	40
*	51 Acenaphthene-d10	164	10.846	10.846	(1.000)	507360	40.0000	
	52 Acenaphthene	153	10.887	10.887	(1.004)	626587	40.0000	39
	53 2,4-Dinitrophenol	184	10.938	10.938	(1.009)	26541	40.0000	12(Q)
$	54 4-Nitrophenol-d4	143	11.031	11.031	(1.017)	176361	40.0000	37
	55 4-Nitrophenol	109	11.041	11.041	(1.018)	89032	40.0000	38
	56 Dibenzofuran	168	11.103	11.103	(1.024)	873530	40.0000	39
	57 2,4-Dinitrotoluene	165	11.154	11.154	(1.028)	231621	40.0000	38
	58 2,3,4,6-Tetrachlorophenol	232	11.329	11.329	(1.044)	176117	40.0000	37
	59 Diethylphthalate	149	11.493	11.493	(1.060)	743399	40.0000	39
$	60 Fluorene-d10	176	11.534	11.534	(1.063)	573142	40.0000	36
	61 Fluorene	166	11.575	11.575	(1.067)	717541	40.0000	39
	62 4-Chlorophenyl-phenylether	204	11.575	11.575	(1.067)	338414	40.0000	39
	63 4-Nitroaniline	138	11.637	11.637	(1.073)	197658	40.0000	39
$	64 4,6-Dinitro-2methylphenol-d2	200	11.688	11.688	(0.911)	56211	40.0000	18
	65 4,6-Dinitro-2-methylphenol	198	11.698	11.698	(0.912)	54482	40.0000	18(Q)

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfw040mn.d
Report Date: 26-May-2009 16:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.740	11.740	(0.915)	594786	40.0000	40
	67 4-Bromophenyl-phenylether	248	12.222	12.222	(0.953)	202173	40.0000	41
	68 Hexachlorobenzene	284	12.428	12.428	(0.969)	211711	40.0000	38
	69 Atrazine	200	12.500	12.500	(0.974)	167555	40.0000	40
	70 Pentachlorophenol	266	12.664	12.664	(0.987)	124267	40.0000	38
*	71 Phenanthrene-d10	188	12.828	12.828	(1.000)	803019	40.0000	
	72 Phenanthrene	178	12.859	12.859	(1.002)	909430	40.0000	38
$	73 Anthracene-d10	188	12.890	12.890	(1.005)	873091	40.0000	37
	74 Anthracene	178	12.921	12.921	(1.007)	894976	40.0000	37
	75 Carbazole	167	13.136	13.136	(1.024)	862488	40.0000	37
	76 Di-n-butylphthalate	149	13.681	13.681	(1.066)	1242839	40.0000	40
	77 Fluoranthene	202	14.461	14.461	(1.127)	853861	40.0000	37
$	78 Pyrene-d10	212	14.738	14.738	(0.900)	730554	40.0000	29
	79 Pyrene	202	14.759	14.759	(0.901)	907712	40.0000	29
	80 Butylbenzylphthalate	149	15.673	15.673	(0.957)	507702	40.0000	32
	81 3,3'-Dichlorobenzidine	252	16.341	16.341	(0.997)	362040	40.0000	39
	82 Benzo(a)anthracene	228	16.361	16.361	(0.999)	1018311	40.0000	39
*	83 Chrysene-d12	240	16.382	16.382	(1.000)	901065	40.0000	
	84 Chrysene	228	16.413	16.413	(1.002)	939279	40.0000	38
	85 Bis(2-ethylhexyl)phthalate	149	16.464	16.464	(1.005)	713914	40.0000	34
	86 Di-n-octylphthalate	149	17.234	17.234	(0.947)	1405529	40.0000	49
	87 Benzo(b)fluoranthene	252	17.717	17.717	(0.974)	1173675	40.0000	60
	88 Benzo(k)fluoranthene	252	17.748	17.748	(0.976)	944639	40.0000	38
$	89 Benzo(a)pyrene-d12	264	18.087	18.087	(0.994)	681573	40.0000	42
	90 Benzo(a)pyrene	252	18.117	18.117	(0.996)	780271	40.0000	41
*	91 Perylene-d12	264	18.189	18.189	(1.000)	673837	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.699	19.699	(1.083)	414493	40.0000	18
	93 Dibenzo(a,h)anthracene	278	19.709	19.709	(1.084)	373579	40.0000	20
	94 Benzo(g,h,i)perylene	276	20.120	20.120	(1.106)	300582	40.0000	15

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0625

Lab File ID: RFV040MQ Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MQ Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	1.080	0.010	8.3	40.0
Phenol	1.964	1.917	0.800	-2.4	25.0
Bis(2-chloroethyl)ether	1.499	1.426	0.700	-4.9	25.0
2-Chlorophenol	1.509	1.464	0.800	-3.0	25.0
2-Methylphenol	1.284	1.201	0.700	-6.5	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.772	0.010	0.6	40.0
Acetophenone	1.782	1.793	0.010	0.6	40.0
4-Methylphenol	1.369	1.306	0.600	-4.6	25.0
N-Nitroso-di-n-propylamine	1.045	1.008	0.500	-3.6	25.0
Hexachloroethane	0.600	0.591	0.300	-1.5	25.0
Nitrobenzene	0.386	0.372	0.200	-3.6	25.0
Isophorone	0.809	0.750	0.400	-7.3	25.0
2-Nitrophenol	0.229	0.220	0.100	-3.8	25.0
2,4-Dimethylphenol	0.358	0.330	0.200	-7.9	25.0
Bis(2-chloroethoxy)methane	0.460	0.429	0.300	-6.8	25.0
2,4-Dichlorophenol	0.318	0.295	0.200	-7.2	25.0
Naphthalene	1.091	1.026	0.700	-6.0	25.0
4-Chloroaniline	0.503	0.464	0.010	-7.7	40.0
Hexachlorobutadiene	0.184	0.173	0.010	-6.1	40.0
Caprolactam	0.126	0.127	0.010	0.9	40.0
4-Chloro-3-methylphenol	0.307	0.283	0.200	-7.7	25.0
2-Methylnaphthalene	0.686	0.631	0.400	-8.0	25.0
Hexachlorocyclopentadiene	0.261	0.243	0.010	-6.6	40.0
2,4,6-Trichlorophenol	0.416	0.397	0.200	-4.6	25.0
2,4,5-Trichlorophenol	0.434	0.399	0.200	-8.0	25.0
1,1'-Biphenyl	1.503	1.514	0.010	0.8	40.0
2-Chloronaphthalene	1.291	1.218	0.800	-5.6	25.0
2-Nitroaniline	0.352	0.349	0.010	-0.8	40.0
Dimethylphthalate	1.470	1.354	0.010	-7.8	40.0
2,6-Dinitrotoluene	0.364	0.338	0.200	-7.0	25.0
Acenaphthylene	2.094	1.946	0.900	-7.1	25.0
3-Nitroaniline	0.410	0.390	0.010	-4.7	40.0
Acenaphthene	1.266	1.173	0.900	-7.3	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0625

Lab File ID: RFV040MQ Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MQ Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.133	0.010	-20.8	40.0
4-Nitrophenol	0.183	0.177	0.010	-3.2	40.0
Dibenzofuran	1.764	1.603	0.800	-9.1	25.0
2,4-Dinitrotoluene	0.475	0.436	0.200	-8.1	25.0
Diethylphthalate	1.499	1.343	0.010	-10.4	40.0
Fluorene	1.464	1.318	0.900	-9.9	25.0
4-Chlorophenyl-phenylether	0.682	0.625	0.400	-8.4	25.0
4-Nitroaniline	0.401	0.393	0.010	-2.2	40.0
4,6-Dinitro-2-methylphenol	0.151	0.138	0.010	-8.1	40.0
N-Nitrosodiphenylamine (1)	0.734	0.709	0.010	-3.4	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.561	0.010	-7.0	40.0
4-Bromophenyl-phenylether	0.247	0.230	0.100	-7.1	25.0
Hexachlorobenzene	0.278	0.254	0.100	-8.7	25.0
Atrazine	0.207	0.207	0.010	0.1	40.0
Pentachlorophenol	0.162	0.152	0.050	-6.2	25.0
Phenanthrene	1.199	1.146	0.700	-4.5	25.0
Anthracene	1.203	1.154	0.700	-4.1	25.0
Carbazole	1.156	1.110	0.010	-4.0	40.0
Di-n-butylphthalate	1.538	1.477	0.010	-3.9	40.0
Fluoranthene	1.157	1.107	0.600	-4.3	25.0
Pyrene	1.402	1.312	0.600	-6.4	25.0
Butylbenzylphthalate	0.705	0.684	0.010	-3.1	40.0
3,3'-Dichlorobenzidine	0.412	0.411	0.010	-0.1	40.0
Benzo(a)anthracene	1.159	1.130	0.800	-2.5	25.0
Chrysene	1.088	1.035	0.700	-4.9	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.899	0.010	-3.7	40.0
Di-n-octylphthalate	1.711	1.805	0.010	5.6	40.0
Benzo(b)fluoranthene	1.169	1.379	0.700	18.0	25.0
Benzo(k)fluoranthene	1.481	1.225	0.700	-17.3	25.0
Benzo(a)pyrene	1.141	1.122	0.700	-1.6	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.191	0.500	-11.8	25.0
Dibenzo(a,h)anthracene	1.119	0.985	0.400	-12.0	25.0
Benzo(g,h,i)perylene	1.188	0.998	0.500	-16.0	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.333	0.100	-10.9	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0625

Lab File ID: RFV040MQ Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MQ Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.613	0.010	4.4	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.268	0.010	3.5	25.0
2-Chlorophenol-d4	1.556	1.614	0.010	3.8	25.0
4-Methylphenol-d8	1.223	1.204	0.010	-1.6	25.0
Nitrobenzene-d5	0.207	0.215	0.010	4.0	25.0
2-Nitrophenol-d4	0.226	0.229	0.010	1.3	25.0
2,4-Dichlorophenol-d3	0.350	0.344	0.010	-1.7	25.0
4-Chloroaniline-d4	0.511	0.504	0.010	-1.5	40.0
Dimethylphthalate-d6	1.476	1.435	0.010	-2.8	40.0
Acenaphthylene-d8	2.082	2.049	0.010	-1.6	25.0
4-Nitrophenol-d4	0.372	0.366	0.010	-1.6	40.0
Fluorene-d10	1.265	1.301	0.010	2.8	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.150	0.010	-4.1	40.0
Anthracene-d10	1.168	1.167	0.010	-0.1	25.0
Pyrene-d10	1.114	1.096	0.010	-1.7	25.0
Benzo(a)pyrene-d12	0.970	1.015	0.010	4.6	25.0

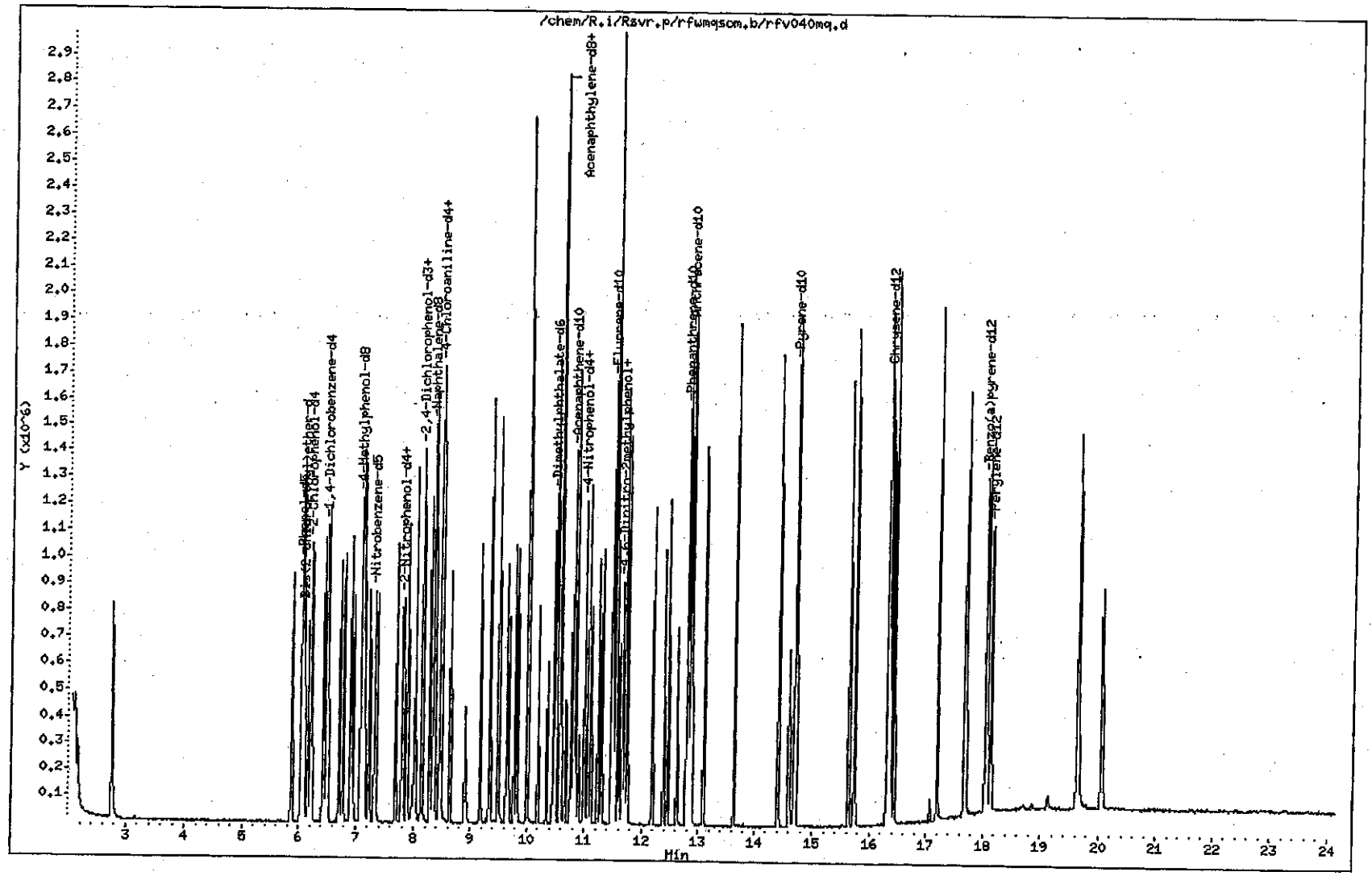
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfumqsom.b/rfv040mq.d
Date : 22-MAY-2009 06:25
Client ID: SSTD020MQ
Sample Info: SSTD020MQ
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040mq.d
Report Date: 26-May-2009 16:41

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040mq.d
Lab Smp Id: SSTD020MQ Client Smp ID: SSTD020MQ
Inj Date : 22-MAY-2009 06:25
Operator : djb Inst ID: R.i
Smp Info : SSTD020MQ
Misc Info : SSTD020MQ
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:41 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.876	5.876	(0.905)	291300	40.0000	43
$ 5 Phenol-d5	71	6.040	6.040	(0.930)	165228	40.0000	42
6 Phenol	94	6.060	6.060	(0.934)	517022	40.0000	39
$ 7 Bis(2-chloroethyl)ether-d8	67	6.102	6.102	(0.940)	341978	40.0000	41
8 Bis(2-chloroethyl)ether	93	6.163	6.163	(0.949)	384503	40.0000	38
$ 9 2-Chlorophenol-d4	132	6.215	6.215	(0.957)	435333	40.0000	42
10 2-Chlorophenol	128	6.235	6.235	(0.960)	394795	40.0000	39
* 11 1,4-Dichlorobenzene-d4	152	6.492	6.492	(1.000)	269725	40.0000	
13 2-Methylphenol	108	6.913	6.913	(1.065)	323970	40.0000	37
14 2,2'-Oxybis(1-chloropropane)	45	6.954	6.954	(1.071)	477936	40.0000	40
$ 15 4-Methylphenol-d8	113	7.088	7.088	(1.092)	324822	40.0000	39
16 Acetophenone	105	7.108	7.108	(1.095)	483648	40.0000	40
17 4-Methylphenol	108	7.129	7.129	(1.098)	352148	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040mq.d
Report Date: 26-May-2009 16:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.149	7.149	(1.101)	271782	40.0000	39
	20 Hexachloroethane	117	7.231	7.231	(1.114)	159387	40.0000	39
$	21 Nitrobenzene-d5	128	7.324	7.324	(0.879)	217832	40.0000	42
	22 Nitrobenzene	77	7.355	7.355	(0.883)	376390	40.0000	39
	23 Isophorone	82	7.693	7.693	(0.924)	759014	40.0000	37
$	24 2-Nitrophenol-d4	143	7.796	7.796	(0.936)	231854	40.0000	41
	25 2-Nitrophenol	139	7.817	7.817	(0.938)	223001	40.0000	38
	26 2,4-Dimethylphenol	107	7.889	7.889	(0.947)	333634	40.0000	37
	27 Bis(2-chloroethoxy)methane	93	8.022	8.022	(0.963)	434105	40.0000	37
$	28 2,4-Dichlorophenol-d3	165	8.135	8.135	(0.977)	348441	40.0000	39
	29 2,4-Dichlorophenol	162	8.156	8.156	(0.979)	298963	40.0000	37
*	30 Naphthalene-d8	136	8.330	8.330	(1.000)	1011895	40.0000	
	31 Naphthalene	128	8.361	8.361	(1.004)	1037720	40.0000	38
$	32 4-Chloroaniline-d4	131	8.453	8.453	(1.015)	509835	40.0000	39
	33 4-Chloroaniline	127	8.474	8.474	(1.017)	469705	40.0000	37
	34 Hexachlorobutadiene	225	8.638	8.638	(1.037)	174803	40.0000	38
	35 Caprolactam	113	8.895	8.895	(1.068)	128198	40.0000	40
	36 4-Chloro-3-methylphenol	107	9.162	9.162	(1.100)	286402	40.0000	37
	37 2-Methylnaphthalene	142	9.337	9.337	(1.121)	638179	40.0000	37
	38 1,2,4,5-Tetrachlorobenzene	216	9.635	9.635	(0.892)	294010	40.0000	37
	39 Hexachlorocyclopentadiene	237	9.665	9.665	(0.894)	127499	40.0000	37
	40 2,4,6-Trichlorophenol	196	9.768	9.768	(0.904)	207964	40.0000	38
	41 2,4,5-Trichlorophenol	196	9.819	9.819	(0.909)	209124	40.0000	37
	42 1,1'-Biphenyl	154	9.994	9.994	(0.925)	792743	40.0000	40
	43 2-Chloronaphthalene	162	10.004	10.004	(0.926)	637932	40.0000	38
	44 2-Nitroaniline	65	10.189	10.189	(0.943)	182883	40.0000	40
$	45 Dimethylphthalate-d6	166	10.466	10.466	(0.969)	751361	40.0000	39
	46 Dimethylphthalate	163	10.497	10.497	(0.971)	709254	40.0000	37
$	47 Acenaphthylene-d8	160	10.569	10.569	(0.978)	1073218	40.0000	39
	48 Acenaphthylene	152	10.590	10.590	(0.980)	1019291	40.0000	37
	49 2,6-Dinitrotoluene	165	10.579	10.579	(0.979)	177222	40.0000	37
	50 3-Nitroaniline	138	10.764	10.764	(0.996)	204358	40.0000	38
*	51 Acenaphthene-d10	164	10.805	10.805	(1.000)	523663	40.0000	
	52 Acenaphthene	153	10.846	10.846	(1.004)	614444	40.0000	37
	53 2,4-Dinitrophenol	184	10.898	10.898	(1.009)	69615	40.0000	32
$	54 4-Nitrophenol-d4	143	10.990	10.990	(1.017)	191850	40.0000	39
	55 4-Nitrophenol	109	10.990	10.990	(1.017)	92663	40.0000	39
	56 Dibenzofuran	168	11.062	11.062	(1.024)	839416	40.0000	36
	57 2,4-Dinitrotoluene	165	11.103	11.103	(1.028)	228467	40.0000	37
	58 2,3,4,6-Tetrachlorophenol	232	11.288	11.288	(1.045)	174343	40.0000	36
	59 Diethylphthalate	149	11.452	11.452	(1.060)	703168	40.0000	36
$	60 Fluorene-d10	176	11.483	11.483	(1.063)	681178	40.0000	41
	61 Fluorene	166	11.524	11.524	(1.067)	690290	40.0000	36
	62 4-Chlorophenyl-phenylether	204	11.535	11.535	(1.067)	327148	40.0000	37
	63 4-Nitroaniline	138	11.596	11.596	(1.073)	205716	40.0000	39
$	64 4,6-Dinitro-2methylphenol-d2	200	11.648	11.648	(0.906)	126070	40.0000	38
	65 4,6-Dinitro-2-methylphenol	198	11.658	11.658	(0.907)	116319	40.0000	37

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040mq.d
Report Date: 26-May-2009 16:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.699	11.699	(0.910)	595198	40.0000	39
	67 4-Bromophenyl-phenylether	248	12.182	12.182	(0.948)	193155	40.0000	37
	68 Hexachlorobenzene	284	12.387	12.387	(0.964)	213392	40.0000	37
	69 Atrazine	200	12.459	12.459	(0.970)	174042	40.0000	40
	70 Pentachlorophenol	266	12.613	12.613	(0.982)	127483	40.0000	38
*	71 Phenanthrene-d10	188	12.777	12.777	(1.000)	839983	40.0000	(H)
	72 Phenanthrene	178	12.808	12.808	(0.997)	962616	40.0000	38(H)
$	73 Anthracene-d10	188	12.849	12.849	(1.000)	980664	40.0000	40
	74 Anthracene	178	12.870	12.870	(1.002)	969254	40.0000	38
	75 Carbazole	167	13.096	13.096	(1.019)	932185	40.0000	38
	76 Di-n-butylphthalate	149	13.640	13.640	(1.062)	1240731	40.0000	38
	77 Fluoranthene	202	14.410	14.410	(1.121)	930022	40.0000	38
$	78 Pyrene-d10	212	14.688	14.688	(0.899)	826807	40.0000	39
	79 Pyrene	202	14.708	14.708	(0.901)	990102	40.0000	37
	80 Butylbenzylphthalate	149	15.633	15.633	(0.957)	515934	40.0000	39
	81 3,3'-Dichlorobenzidine	252	16.300	16.300	(0.998)	310475	40.0000	40
	82 Benzo(a)anthracene	228	16.310	16.310	(0.999)	852612	40.0000	39
*	83 Chrysene-d12	240	16.331	16.331	(1.000)	754678	40.0000	
	84 Chrysene	228	16.362	16.362	(1.002)	780902	40.0000	38
	85 Bis(2-ethylhexyl)phthalate	149	16.423	16.423	(1.006)	678713	40.0000	39
	86 Di-n-octylphthalate	149	17.194	17.194	(0.948)	1161835	40.0000	42
	87 Benzo(b)fluoranthene	252	17.666	17.666	(0.974)	887181	40.0000	47
	88 Benzo(k)fluoranthene	252	17.697	17.697	(0.976)	788151	40.0000	33
$	89 Benzo(a)pyrene-d12	264	18.036	18.036	(0.994)	653311	40.0000	42
	90 Benzo(a)pyrene	252	18.067	18.067	(0.996)	722115	40.0000	39
*	91 Perylene-d12	264	18.138	18.138	(1.000)	643511	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.628	19.628	(1.082)	766499	40.0000	35
	93 Dibenzo(a,h)anthracene	278	19.638	19.638	(1.083)	633905	40.0000	35
	94 Benzo(g,h,i)perylene	276	20.049	20.049	(1.105)	642087	40.0000	34

QC Flag Legend

H - Operator selected an alternate compound hit.

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0918

Lab File ID: RFW040MR Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MR Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	1.101	0.010	10.4	40.0
Phenol	1.964	1.903	0.800	-3.1	25.0
Bis(2-chloroethyl)ether	1.499	1.454	0.700	-3.0	25.0
2-Chlorophenol	1.509	1.465	0.800	-2.9	25.0
2-Methylphenol	1.284	1.233	0.700	-3.9	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.744	0.010	-1.0	40.0
Acetophenone	1.782	1.754	0.010	-1.6	40.0
4-Methylphenol	1.369	1.314	0.600	-4.0	25.0
N-Nitroso-di-n-propylamine	1.045	0.965	0.500	-7.7	25.0
Hexachloroethane	0.600	0.581	0.300	-3.1	25.0
Nitrobenzene	0.386	0.368	0.200	-4.7	25.0
Isophorone	0.809	0.752	0.400	-7.0	25.0
2-Nitrophenol	0.229	0.216	0.100	-5.5	25.0
2,4-Dimethylphenol	0.358	0.335	0.200	-6.5	25.0
Bis(2-chloroethoxy)methane	0.460	0.436	0.300	-5.2	25.0
2,4-Dichlorophenol	0.318	0.296	0.200	-6.9	25.0
Naphthalene	1.091	1.017	0.700	-6.8	25.0
4-Chloroaniline	0.503	0.472	0.010	-6.3	40.0
Hexachlorobutadiene	0.184	0.169	0.010	-8.2	40.0
Caprolactam	0.126	0.128	0.010	2.3	40.0
4-Chloro-3-methylphenol	0.307	0.282	0.200	-8.0	25.0
2-Methylnaphthalene	0.686	0.630	0.400	-8.2	25.0
Hexachlorocyclopentadiene	0.261	0.234	0.010	-10.3	40.0
2,4,6-Trichlorophenol	0.416	0.392	0.200	-5.8	25.0
2,4,5-Trichlorophenol	0.434	0.410	0.200	-5.6	25.0
1,1'-Biphenyl	1.503	1.506	0.010	0.3	40.0
2-Chloronaphthalene	1.291	1.206	0.800	-6.6	25.0
2-Nitroaniline	0.352	0.351	0.010	-0.4	40.0
Dimethylphthalate	1.470	1.349	0.010	-8.2	40.0
2,6-Dinitrotoluene	0.364	0.346	0.200	-4.9	25.0
Acenaphthylene	2.094	1.952	0.900	-6.8	25.0
3-Nitroaniline	0.410	0.391	0.010	-4.6	40.0
Acenaphthene	1.266	1.150	0.900	-9.1	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0918

Lab File ID: RFW040MR Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MR Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.120	0.010	-28.5	40.0
4-Nitrophenol	0.183	0.178	0.010	-2.4	40.0
Dibenzofuran	1.764	1.629	0.800	-7.7	25.0
2,4-Dinitrotoluene	0.475	0.445	0.200	-6.2	25.0
Diethylphthalate	1.499	1.349	0.010	-10.0	40.0
Fluorene	1.464	1.339	0.900	-8.5	25.0
4-Chlorophenyl-phenylether	0.682	0.619	0.400	-9.2	25.0
4-Nitroaniline	0.401	0.400	0.010	-0.5	40.0
4,6-Dinitro-2-methylphenol	0.151	0.128	0.010	-15.2	40.0
N-Nitrosodiphenylamine (1)	0.734	0.686	0.010	-6.4	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.566	0.010	-6.3	40.0
4-Bromophenyl-phenylether	0.247	0.227	0.100	-8.4	25.0
Hexachlorobenzene	0.278	0.251	0.100	-9.8	25.0
Atrazine	0.207	0.204	0.010	-1.3	40.0
Pentachlorophenol	0.162	0.147	0.050	-9.3	25.0
Phenanthrene	1.199	1.126	0.700	-6.1	25.0
Anthracene	1.203	1.113	0.700	-7.5	25.0
Carbazole	1.156	1.095	0.010	-5.3	40.0
Di-n-butylphthalate	1.538	1.417	0.010	-7.8	40.0
Fluoranthene	1.157	1.099	0.600	-5.0	25.0
Pyrene	1.402	1.235	0.600	-11.9	25.0
Butylbenzylphthalate	0.705	0.646	0.010	-8.5	40.0
3,3'-Dichlorobenzidine	0.412	0.400	0.010	-2.9	40.0
Benzo(a)anthracene	1.159	1.101	0.800	-5.0	25.0
Chrysene	1.088	1.001	0.700	-8.0	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.845	0.010	-9.5	40.0
Di-n-octylphthalate	1.711	1.684	0.010	-1.6	40.0
Benzo(b)fluoranthene	1.169	1.280	0.700	9.5	25.0
Benzo(k)fluoranthene	1.481	1.308	0.700	-11.7	25.0
Benzo(a)pyrene	1.141	1.102	0.700	-3.4	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.210	0.500	-10.4	25.0
Dibenzo(a,h)anthracene	1.119	1.022	0.400	-8.6	25.0
Benzo(g,h,i)perylene	1.188	1.036	0.500	-12.8	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.335	0.100	-10.3	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 0918

Lab File ID: RFW040MR Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MR Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.608	0.010	3.5	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.269	0.010	3.6	25.0
2-Chlorophenol-d4	1.556	1.602	0.010	3.0	25.0
4-Methylphenol-d8	1.223	1.220	0.010	-0.3	25.0
Nitrobenzene-d5	0.207	0.212	0.010	2.5	25.0
2-Nitrophenol-d4	0.226	0.237	0.010	4.9	25.0
2,4-Dichlorophenol-d3	0.350	0.350	0.010	-0.0	25.0
4-Chloroaniline-d4	0.511	0.506	0.010	-1.1	40.0
Dimethylphthalate-d6	1.476	1.442	0.010	-2.3	40.0
Acenaphthylene-d8	2.082	2.086	0.010	0.2	25.0
4-Nitrophenol-d4	0.372	0.390	0.010	4.8	40.0
Fluorene-d10	1.265	1.212	0.010	-4.2	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.139	0.010	-10.9	40.0
Anthracene-d10	1.168	1.157	0.010	-1.0	25.0
Pyrene-d10	1.114	1.041	0.010	-6.5	25.0
Benzo(a)pyrene-d12	0.970	1.024	0.010	5.5	25.0

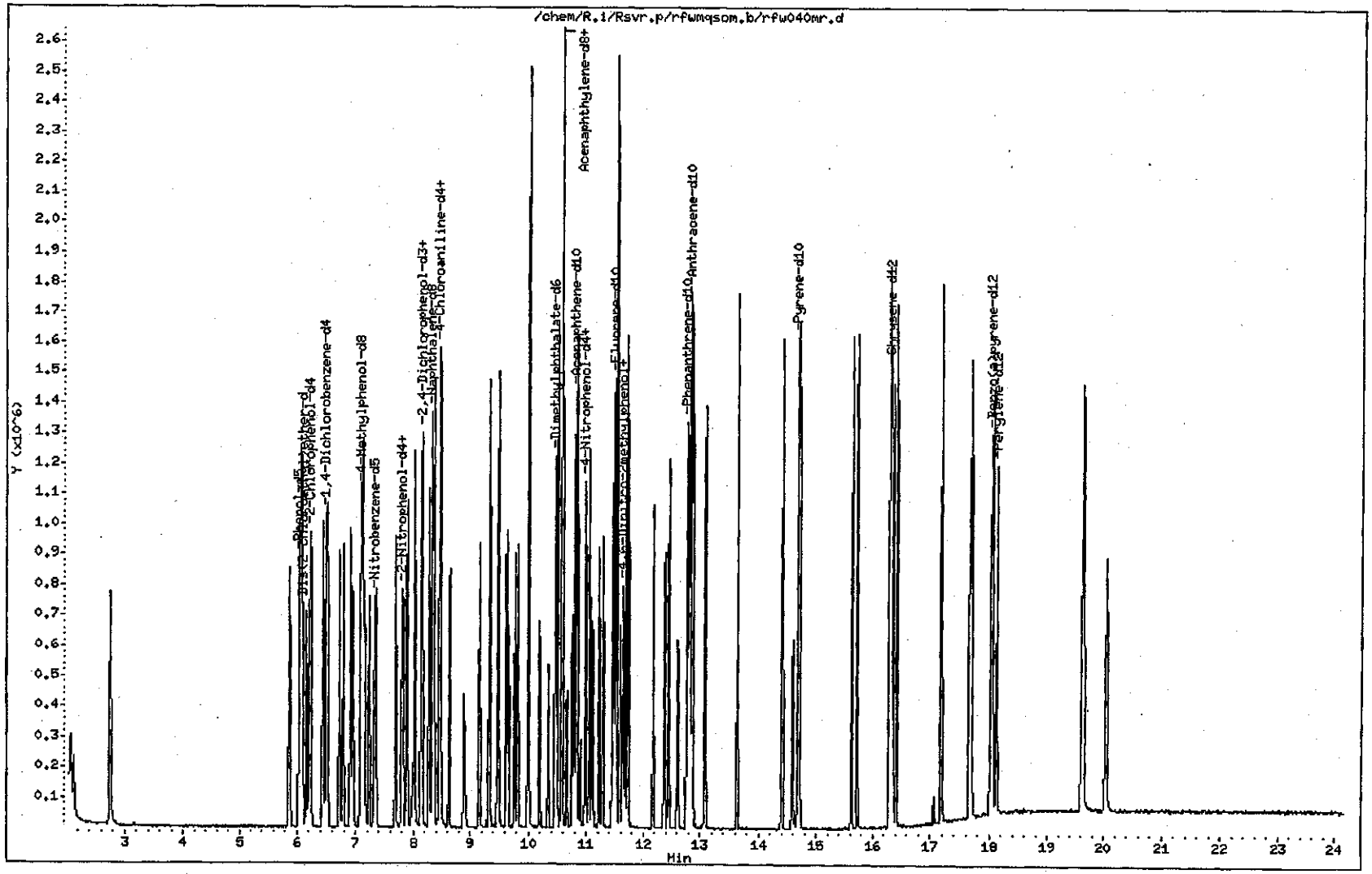
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfw040mr.d
Date : 22-MAY-2009 09:18
Client ID: SSTD020HR
Sample Info: SSTD020HR
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfw040mr.d
Report Date: 26-May-2009 16:41

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/rfw040mr.d
Lab Smp Id: SSTD020MR Client Smp ID: SSTD020MR
Inj Date : 22-MAY-2009 09:18
Operator : djb Inst ID: R.i
Smp Info : SSTD020MR
Misc Info : SSTD020MR
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:41 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.865	5.865	(0.905)	269936	40.0000	44
$ 5 Phenol-d5	71	6.030	6.030	(0.930)	149010	40.0000	41
6 Phenol	94	6.050	6.050	(0.933)	466664	40.0000	39
$ 7 Bis(2-chloroethyl)ether-d8	67	6.091	6.091	(0.940)	311210	40.0000	41
8 Bis(2-chloroethyl)ether	93	6.153	6.153	(0.949)	356532	40.0000	39
$ 9 2-Chlorophenol-d4	132	6.204	6.204	(0.957)	392878	40.0000	41
10 2-Chlorophenol	128	6.225	6.225	(0.960)	359305	40.0000	39
* 11 1,4-Dichlorobenzene-d4	152	6.481	6.481	(1.000)	245189	40.0000	
13 2-Methylphenol	108	6.903	6.903	(1.065)	302401	40.0000	38
14 2,2'-Oxybis(1-chloropropane)	45	6.944	6.944	(1.071)	427659	40.0000	40
$ 15 4-Methylphenol-d8	113	7.077	7.077	(1.092)	299081	40.0000	40
16 Acetophenone	105	7.098	7.098	(1.095)	430119	40.0000	39
17 4-Methylphenol	108	7.118	7.118	(1.098)	322131	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfw040mr.d
Report Date: 26-May-2009 16:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.139	7.139	(1.101)	236491	40.0000	37
	20 Hexachloroethane	117	7.221	7.221	(1.114)	142526	40.0000	39
$	21 Nitrobenzene-d5	128	7.313	7.313	(0.879)	194767	40.0000	41
	22 Nitrobenzene	77	7.344	7.344	(0.883)	337848	40.0000	38
	23 Isophorone	82	7.683	7.683	(0.923)	691006	40.0000	37
$	24 2-Nitrophenol-d4	143	7.786	7.786	(0.936)	217933	40.0000	42
	25 2-Nitrophenol	139	7.806	7.806	(0.938)	198779	40.0000	38
	26 2,4-Dimethylphenol	107	7.878	7.878	(0.947)	307441	40.0000	37
	27 Bis(2-chloroethoxy)methane	93	8.012	8.012	(0.963)	400935	40.0000	38
$	28 2,4-Dichlorophenol-d3	165	8.125	8.125	(0.977)	321723	40.0000	40
	29 2,4-Dichlorophenol	162	8.145	8.145	(0.979)	272097	40.0000	37
*	30 Naphthalene-d8	136	8.320	8.320	(1.000)	918633	40.0000	
	31 Naphthalene	128	8.351	8.351	(1.004)	934589	40.0000	37
$	32 4-Chloroaniline-d4	131	8.443	8.443	(1.015)	464590	40.0000	40
	33 4-Chloroaniline	127	8.464	8.464	(1.017)	433143	40.0000	37
	34 Hexachlorobutadiene	225	8.628	8.628	(1.037)	155209	40.0000	37
	35 Caprolactam	113	8.885	8.885	(1.068)	117947	40.0000	41
	36 4-Chloro-3-methylphenol	107	9.152	9.152	(1.100)	259270	40.0000	37
	37 2-Methylnaphthalene	142	9.326	9.326	(1.121)	578576	40.0000	37
	38 1,2,4,5-Tetrachlorobenzene	216	9.624	9.624	(0.892)	268948	40.0000	37
	39 Hexachlorocyclopentadiene	237	9.655	9.655	(0.894)	111271	40.0000	36
	40 2,4,6-Trichlorophenol	196	9.758	9.758	(0.904)	186307	40.0000	38
	41 2,4,5-Trichlorophenol	196	9.809	9.809	(0.909)	194915	40.0000	38
	42 1,1'-Biphenyl	154	9.994	9.994	(0.926)	716219	40.0000	40
	43 2-Chloronaphthalene	162	10.004	10.004	(0.927)	573280	40.0000	37
	44 2-Nitroaniline	65	10.179	10.179	(0.943)	166727	40.0000	40
$	45 Dimethylphthalate-d6	166	10.456	10.456	(0.969)	685725	40.0000	39
	46 Dimethylphthalate	163	10.487	10.487	(0.971)	641250	40.0000	37
$	47 Acenaphthylene-d8	160	10.559	10.559	(0.978)	991723	40.0000	40
	48 Acenaphthylene	152	10.579	10.579	(0.980)	928052	40.0000	37
	49 2,6-Dinitrotoluene	165	10.569	10.569	(0.979)	164483	40.0000	38
	50 3-Nitroaniline	138	10.754	10.754	(0.996)	185848	40.0000	38
*	51 Acenaphthene-d10	164	10.795	10.795	(1.000)	475469	40.0000	
	52 Acenaphthene	153	10.836	10.836	(1.004)	546984	40.0000	36
	53 2,4-Dinitrophenol	184	10.887	10.887	(1.009)	57076	40.0000	29
$	54 4-Nitrophenol-d4	143	10.980	10.980	(1.017)	185453	40.0000	42
	55 4-Nitrophenol	109	10.990	10.990	(1.018)	84800	40.0000	39
	56 Dibenzofuran	168	11.052	11.052	(1.024)	774400	40.0000	37
	57 2,4-Dinitrotoluene	165	11.103	11.103	(1.029)	211812	40.0000	38
	58 2,3,4,6-Tetrachlorophenol	232	11.278	11.278	(1.045)	159402	40.0000	36
	59 Diethylphthalate	149	11.442	11.442	(1.060)	641637	40.0000	36
$	60 Fluorene-d10	176	11.483	11.483	(1.064)	576426	40.0000	38
	61 Fluorene	166	11.514	11.514	(1.067)	636728	40.0000	37
	62 4-Chlorophenyl-phenylether	204	11.524	11.524	(1.068)	294333	40.0000	36
	63 4-Nitroaniline	138	11.586	11.586	(1.073)	190025	40.0000	40
$	64 4,6-Dinitro-2methylphenol-d2	200	11.637	11.637	(0.912)	109111	40.0000	36
	65 4,6-Dinitro-2-methylphenol	198	11.647	11.647	(0.912)	100051	40.0000	34

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfw040mr.d
Report Date: 26-May-2009 16:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.689	11.689	(0.916)	537210	40.0000	37
	67 4-Bromophenyl-phenylether	248	12.171	12.171	(0.953)	177325	40.0000	37
	68 Hexachlorobenzene	284	12.377	12.377	(0.969)	196408	40.0000	36
	69 Atrazine	200	12.449	12.449	(0.975)	159805	40.0000	39
	70 Pentachlorophenol	266	12.613	12.613	(0.988)	114886	40.0000	36
*	71 Phenanthrene-d10	188	12.767	12.767	(1.000)	782612	40.0000	
	72 Phenanthrene	178	12.798	12.798	(1.002)	881281	40.0000	38
$	73 Anthracene-d10	188	12.839	12.839	(1.006)	905543	40.0000	40
	74 Anthracene	178	12.859	12.859	(1.007)	871063	40.0000	37
	75 Carbazole	167	13.085	13.085	(1.025)	857035	40.0000	38
	76 Di-n-butylphthalate	149	13.630	13.630	(1.068)	1109314	40.0000	37
	77 Fluoranthene	202	14.400	14.400	(1.128)	860348	40.0000	38
$	78 Pyrene-d10	212	14.677	14.677	(0.899)	760607	40.0000	37
	79 Pyrene	202	14.698	14.698	(0.901)	901898	40.0000	35
	80 Butylbenzylphthalate	149	15.622	15.622	(0.957)	471495	40.0000	37
	81 3,3'-Dichlorobenzidine	252	16.290	16.290	(0.998)	291793	40.0000	39
	82 Benzo(a)anthracene	228	16.300	16.300	(0.999)	803854	40.0000	38
*	83 Chrysene-d12	240	16.320	16.320	(1.000)	730360	40.0000	
	84 Chrysene	228	16.362	16.362	(1.003)	730915	40.0000	37
	85 Bis(2-ethylhexyl)phthalate	149	16.413	16.413	(1.006)	617180	40.0000	36
	86 Di-n-octylphthalate	149	17.183	17.183	(0.948)	1067562	40.0000	39
	87 Benzo(b)fluoranthene	252	17.666	17.666	(0.974)	811757	40.0000	44
	88 Benzo(k)fluoranthene	252	17.686	17.686	(0.976)	829257	40.0000	35
$	89 Benzo(a)pyrene-d12	264	18.025	18.025	(0.994)	649251	40.0000	42
	90 Benzo(a)pyrene	252	18.056	18.056	(0.996)	698630	40.0000	39
*	91 Perylene-d12	264	18.128	18.128	(1.000)	634079	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.617	19.617	(1.082)	767278	40.0000	36
	93 Dibenzo(a,h)anthracene	278	19.628	19.628	(1.083)	648343	40.0000	37
	94 Benzo(g,h,i)perylene	276	20.038	20.038	(1.105)	657026	40.0000	35

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 2000

Lab File ID: RFV040MS Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MS Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Benzaldehyde	0.997	0.978	0.010	-1.9	50.0	
Phenol	1.964	1.832	0.010	-6.7	50.0	
Bis(2-chloroethyl)ether	1.499	1.412	0.010	-5.8	50.0	
2-Chlorophenol	1.509	1.420	0.010	-5.9	50.0	
2-Methylphenol	1.284	1.140	0.010	-11.2	50.0	
2,2'-Oxybis(1-chloropropane)	1.761	1.704	0.010	-3.2	50.0	
Acetophenone	1.782	1.665	0.010	-6.6	50.0	
4-Methylphenol	1.369	1.197	0.010	-12.5	50.0	
N-Nitroso-di-n-propylamine	1.045	0.913	0.010	-12.6	50.0	
Hexachloroethane	0.600	0.406	0.010	-32.2	50.0	
Nitrobenzene	0.386	0.372	0.010	-3.6	50.0	
Isophorone	0.809	0.744	0.010	-8.0	50.0	
2-Nitrophenol	0.229	0.199	0.010	-13.0	50.0	
2,4-Dimethylphenol	0.358	0.333	0.010	-7.0	50.0	
Bis(2-chloroethoxy)methane	0.460	0.451	0.010	-2.0	50.0	
2,4-Dichlorophenol	0.318	0.286	0.010	-10.0	50.0	
Naphthalene	1.091	1.017	0.010	-6.8	50.0	
4-Chloroaniline	0.503	0.446	0.010	-11.4	50.0	
Hexachlorobutadiene	0.184	0.179	0.010	-2.7	50.0	
Caprolactam	0.126	0.113	0.010	-10.3	50.0	
4-Chloro-3-methylphenol	0.307	0.274	0.010	-10.8	50.0	
2-Methylnaphthalene	0.686	0.631	0.010	-8.0	50.0	
Hexachlorocyclopentadiene	0.261	0.008	0.010	-96.9	50.0	<-
2,4,6-Trichlorophenol	0.416	0.387	0.010	-7.1	50.0	
2,4,5-Trichlorophenol	0.434	0.410	0.010	-5.6	50.0	
1,1'-Biphenyl	1.503	1.537	0.010	2.3	50.0	
2-Chloronaphthalene	1.291	1.236	0.010	-4.3	50.0	
2-Nitroaniline	0.352	0.345	0.010	-1.9	50.0	
Dimethylphthalate	1.470	1.321	0.010	-10.1	50.0	
2,6-Dinitrotoluene	0.364	0.330	0.010	-9.3	50.0	
Acenaphthylene	2.094	1.945	0.010	-7.1	50.0	
3-Nitroaniline	0.410	0.381	0.010	-7.0	50.0	
Acenaphthene	1.266	1.156	0.010	-8.7	50.0	

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 2000

Lab File ID: RFV040MS Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MS Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
2,4-Dinitrophenol	0.168	0.014	0.010	-91.9	50.0	<-
4-Nitrophenol	0.183	0.173	0.010	-5.5	50.0	
Dibenzofuran	1.764	1.605	0.010	-9.0	50.0	
2,4-Dinitrotoluene	0.475	0.413	0.010	-13.0	50.0	
Diethylphthalate	1.499	1.352	0.010	-9.8	50.0	
Fluorene	1.464	1.303	0.010	-11.0	50.0	
4-Chlorophenyl-phenylether	0.682	0.615	0.010	-9.9	50.0	
4-Nitroaniline	0.401	0.377	0.010	-6.0	50.0	
4,6-Dinitro-2-methylphenol	0.151	0.024	0.010	-84.0	50.0	<-
N-Nitrosodiphenylamine (1)	0.734	0.707	0.010	-3.7	50.0	
1,2,4,5-Tetrachlorobenzene	0.604	0.594	0.010	-1.6	50.0	
4-Bromophenyl-phenylether	0.247	0.234	0.010	-5.3	50.0	
Hexachlorobenzene	0.278	0.256	0.010	-8.1	50.0	
Atrazine	0.207	0.206	0.010	-0.4	50.0	
Pentachlorophenol	0.162	0.178	0.010	9.9	50.0	
Phenanthrene	1.199	1.106	0.010	-7.8	50.0	
Anthracene	1.203	1.110	0.010	-7.8	50.0	
Carbazole	1.156	1.085	0.010	-6.1	50.0	
Di-n-butylphthalate	1.538	1.485	0.010	-3.4	50.0	
Fluoranthene	1.157	1.111	0.010	-4.0	50.0	
Pyrene	1.402	1.021	0.010	-27.2	50.0	
Butylbenzylphthalate	0.705	0.584	0.010	-17.2	50.0	
3,3'-Dichlorobenzidine	0.412	0.402	0.010	-2.3	50.0	
Benzo(a)anthracene	1.159	1.085	0.010	-6.4	50.0	
Chrysene	1.088	1.019	0.010	-6.3	50.0	
Bis(2-ethylhexyl)phthalate	0.934	0.796	0.010	-14.8	50.0	
Di-n-octylphthalate	1.711	1.793	0.010	4.8	50.0	
Benzo(b)fluoranthene	1.169	1.450	0.010	24.1	50.0	
Benzo(k)fluoranthene	1.481	1.417	0.010	-4.3	50.0	
Benzo(a)pyrene	1.141	1.154	0.010	1.2	50.0	
Indeno(1,2,3-cd)pyrene	1.350	0.580	0.010	-57.0	50.0	<-
Dibenzo(a,h)anthracene	1.119	0.517	0.010	-53.8	50.0	<-
Benzo(g,h,i)perylene	1.188	0.398	0.010	-66.5	50.0	<-
2,3,4,6-Tetrachlorophenol	0.374	0.330	0.010	-11.6	50.0	

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/22/2009 Time: 2000

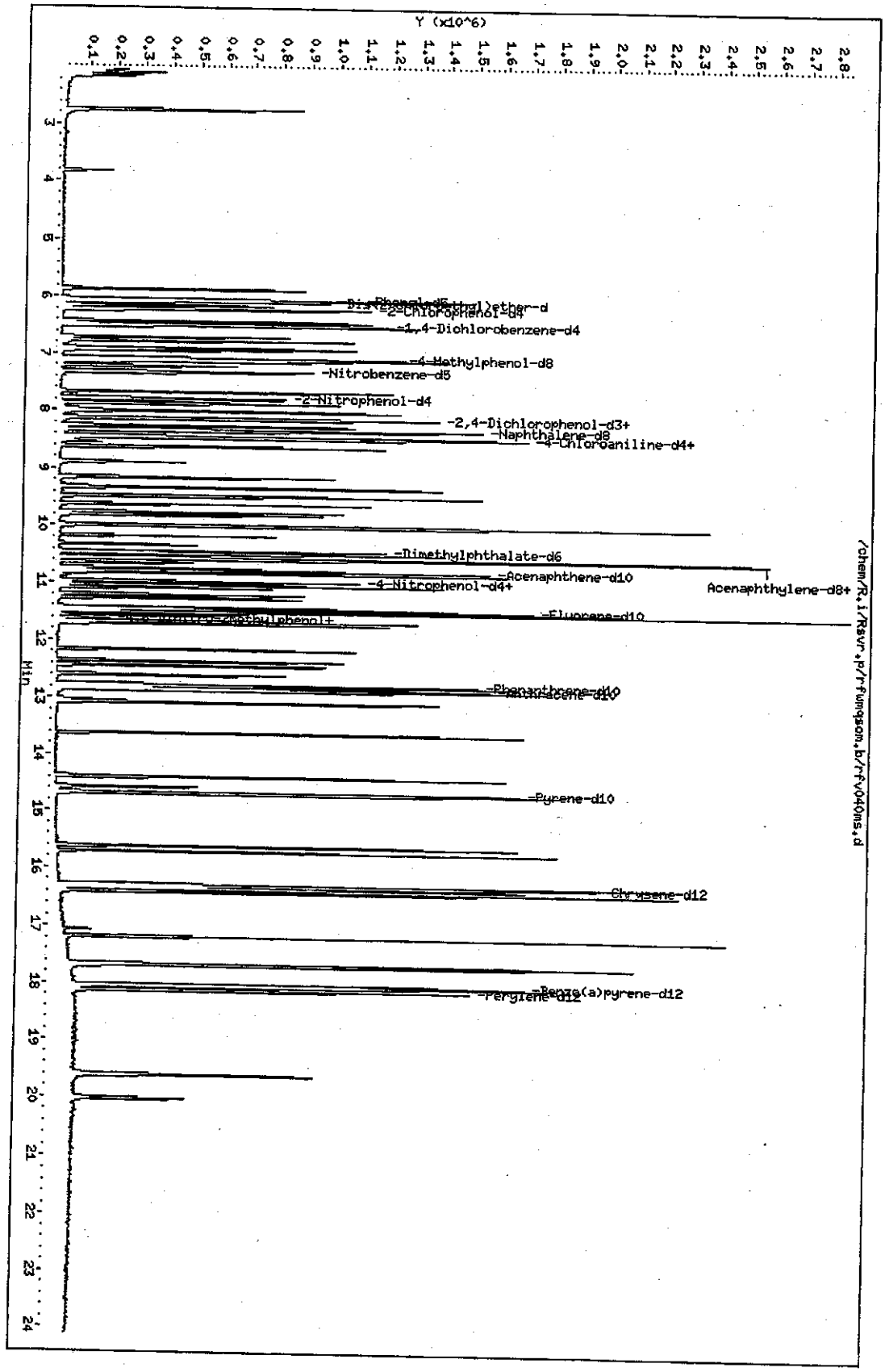
Lab File ID: RFV040MS Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MS Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Phenol-d5	0.587	0.571	0.010	-2.7	50.0	
Bis(2-chloroethyl)ether-d8	1.225	1.241	0.010	1.3	50.0	
2-Chlorophenol-d4	1.556	1.578	0.010	1.4	50.0	
4-Methylphenol-d8	1.223	1.138	0.010	-7.0	50.0	
Nitrobenzene-d5	0.207	0.219	0.010	6.0	50.0	
2-Nitrophenol-d4	0.226	0.216	0.010	-4.4	50.0	
2,4-Dichlorophenol-d3	0.350	0.348	0.010	-0.6	50.0	
4-Chloroaniline-d4	0.511	0.491	0.010	-3.9	50.0	
Dimethylphthalate-d6	1.476	1.441	0.010	-2.4	50.0	
Acenaphthylene-d8	2.082	2.063	0.010	-0.9	50.0	
4-Nitrophenol-d4	0.372	0.376	0.010	0.9	50.0	
Fluorene-d10	1.265	1.177	0.010	-7.0	50.0	
4,6-Dinitro-2methylphenol-d2	0.156	0.027	0.010	-82.6	50.0	<-
Anthracene-d10	1.168	1.140	0.010	-2.4	50.0	
Pyrene-d10	1.114	0.882	0.010	-20.8	50.0	
Benzo(a)pyrene-d12	0.970	1.076	0.010	10.9	50.0	

SOM01.2


Data File: /chem/R.i/Rsvr.p/rfwmqscm.b/rfv040ms.d
Date : 22-MAY-2009 20:00
Client ID: SSTD020HS
Sample Info: SSTD020HS
Volume Injected (uL): 2.0
Column phase: Rxi-5ms
Instrument: R.i
Operator: djb
Column diameter: 0.25
Page 4
Y (x10^6)
Min
2-Chlorophenol-d4
1,4-Dichlorobenzene-d4
4-Methylphenol-d8
Nitrobenzene-d5
2-Nitrophenol-d4
2,4-Dichlorophenol-d3+
Naphthalene-d8
4-Chloroaniline-d4+
Dimethylphthalate-d6
Acenaphthene-d10
4-Nitrophenol-d4+
Acenaphthylene-d8+
Fluorene-d10
Phenanthrene-d10
Anthracene-d10
Pyrene-d10
Chrysene-d12
Perylene-d12
Benzo(a)pyrene-d12
/chem/R.i/Rsvr.p/rfwmqscm.b/rfv040ms.d

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040ms.d
Report Date: 26-May-2009 16:43

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040ms.d
Lab Smp Id: SSTD020MS
Client Smp ID: SSTD020MS
Inj Date : 22-MAY-2009 20:00
Operator : djb
Inst ID: R.i
Smp Info : SSTD020MS
Misc Info : SSTD020MS
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fRFWf7.m
Meth Date : 26-May-2009 16:43 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 14:58
Cal File: rfw010.d
Als bottle: 20
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	4 Benzaldehyde	77	5.864	5.864	(0.905)	281190	40.0000	39
$	5 Phenol-d5	71	6.029	6.029	(0.930)	164199	40.0000	39
	6 Phenol	94	6.049	6.049	(0.933)	526626	40.0000	37
$	7 Bis(2-chloroethyl)ether-d8	67	6.080	6.080	(0.938)	356847	40.0000	41
	8 Bis(2-chloroethyl)ether	93	6.152	6.152	(0.949)	405845	40.0000	38
$	9 2-Chlorophenol-d4	132	6.203	6.203	(0.957)	453572	40.0000	41
	10 2-Chlorophenol	128	6.224	6.224	(0.960)	408102	40.0000	38
*	11 1,4-Dichlorobenzene-d4	152	6.480	6.480	(1.000)	287457	40.0000	
	13 2-Methylphenol	108	6.902	6.902	(1.065)	327614	40.0000	36
	14 2,2'-Oxybis(1-chloropropane)	45	6.943	6.943	(1.071)	489881	40.0000	39
$	15 4-Methylphenol-d8	113	7.076	7.076	(1.092)	327069	40.0000	37
	16 Acetophenone	105	7.097	7.097	(1.095)	478639	40.0000	37
	17 4-Methylphenol	108	7.117	7.117	(1.098)	344145	40.0000	35

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040ms.d
Report Date: 26-May-2009 16:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.138	7.138	(1.101)	262350	40.0000	35
	20 Hexachloroethane	117	7.220	7.220	(1.114)	116839	40.0000	27
$	21 Nitrobenzene-d5	128	7.312	7.312	(0.879)	219663	40.0000	42
	22 Nitrobenzene	77	7.333	7.333	(0.881)	372541	40.0000	39
	23 Isophorone	82	7.672	7.672	(0.922)	745247	40.0000	37
$	24 2-Nitrophenol-d4	143	7.785	7.785	(0.936)	216480	40.0000	38
	25 2-Nitrophenol	139	7.805	7.805	(0.938)	199425	40.0000	35
	26 2,4-Dimethylphenol	107	7.867	7.867	(0.946)	333382	40.0000	37
	27 Bis(2-chloroethoxy)methane	93	8.011	8.011	(0.963)	451709	40.0000	39
$	28 2,4-Dichlorophenol-d3	165	8.124	8.124	(0.977)	348622	40.0000	40
	29 2,4-Dichlorophenol	162	8.134	8.134	(0.978)	286716	40.0000	36
*	30 Naphthalene-d8	136	8.319	8.319	(1.000)	1001321	40.0000	
	31 Naphthalene	128	8.350	8.350	(1.004)	1018742	40.0000	37
$	32 4-Chloroaniline-d4	131	8.442	8.442	(1.015)	492091	40.0000	38
	33 4-Chloroaniline	127	8.452	8.452	(1.016)	446373	40.0000	35
	34 Hexachlorobutadiene	225	8.617	8.617	(1.036)	179264	40.0000	39
	35 Caprolactam	113	8.884	8.884	(1.068)	112774	40.0000	36
	36 4-Chloro-3-methylphenol	107	9.151	9.151	(1.100)	273941	40.0000	36
	37 2-Methylnaphthalene	142	9.325	9.325	(1.121)	631579	40.0000	37
	38 1,2,4,5-Tetrachlorobenzene	216	9.613	9.613	(0.891)	289818	40.0000	39
	39 Hexachlorocyclopentadiene	237	9.654	9.654	(0.895)	3989	40.0000	1.3(aM)
	40 2,4,6-Trichlorophenol	196	9.757	9.757	(0.905)	188676	40.0000	37
	41 2,4,5-Trichlorophenol	196	9.808	9.808	(0.910)	199892	40.0000	38
	42 1,1'-Biphenyl	154	9.983	9.983	(0.926)	750302	40.0000	41
	43 2-Chloronaphthalene	162	9.993	9.993	(0.927)	603013	40.0000	38
	44 2-Nitroaniline	65	10.178	10.178	(0.944)	168576	40.0000	39
$	45 Dimethylphthalate-d6	166	10.445	10.445	(0.969)	703232	40.0000	39
	46 Dimethylphthalate	163	10.476	10.476	(0.971)	644865	40.0000	36
$	47 Acenaphthylene-d8	160	10.558	10.558	(0.979)	1006892	40.0000	40
	48 Acenaphthylene	152	10.578	10.578	(0.981)	949325	40.0000	37
	49 2,6-Dinitrotoluene	165	10.568	10.568	(0.980)	161102	40.0000	36
	50 3-Nitroaniline	138	10.743	10.743	(0.996)	185819	40.0000	37
*	51 Acenaphthene-d10	164	10.784	10.784	(1.000)	488050	40.0000	
	52 Acenaphthene	153	10.825	10.825	(1.004)	564218	40.0000	37
	53 2,4-Dinitrophenol	184	10.886	10.886	(1.010)	6629	40.0000	3.2(aQM)
$	54 4-Nitrophenol-d4	143	10.979	10.979	(1.018)	183280	40.0000	40
	55 4-Nitrophenol	109	10.979	10.979	(1.018)	84258	40.0000	38
	56 Dibenzofuran	168	11.041	11.041	(1.024)	783522	40.0000	36
	57 2,4-Dinitrotoluene	165	11.092	11.092	(1.029)	201728	40.0000	35
	58 2,3,4,6-Tetrachlorophenol	232	11.277	11.277	(1.046)	161200	40.0000	35
	59 Diethylphthalate	149	11.441	11.441	(1.061)	659881	40.0000	36
$	60 Fluorene-d10	176	11.472	11.472	(1.064)	574310	40.0000	37
	61 Fluorene	166	11.513	11.513	(1.068)	635863	40.0000	36
	62 4-Chlorophenyl-phenylether	204	11.513	11.513	(1.068)	299924	40.0000	36
	63 4-Nitroaniline	138	11.575	11.575	(1.073)	184101	40.0000	38
$	64 4,6-Dinitro-2methylphenol-d2	200	11.636	11.636	(0.912)	20899	40.0000	6.9(a)
	65 4,6-Dinitro-2-methylphenol	198	11.636	11.636	(0.912)	18614	40.0000	6.4(aQ)

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfv040ms.d
Report Date: 26-May-2009 16:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.688	11.688	(0.916)	544264	40.0000	39
	67 4-Bromophenyl-phenylether	248	12.170	12.170	(0.953)	180379	40.0000	38
	68 Hexachlorobenzene	284	12.365	12.365	(0.969)	196963	40.0000	37
	69 Atrazine	200	12.448	12.448	(0.975)	158661	40.0000	40
	70 Pentachlorophenol	266	12.602	12.602	(0.987)	137026	40.0000	44
*	71 Phenanthrene-d10	188	12.766	12.766	(1.000)	769905	40.0000	
	72 Phenanthrene	178	12.797	12.797	(1.002)	851553	40.0000	37
$	73 Anthracene-d10	188	12.838	12.838	(1.006)	877861	40.0000	39
	74 Anthracene	178	12.858	12.858	(1.007)	854506	40.0000	37
	75 Carbazole	167	13.074	13.074	(1.024)	835680	40.0000	38
	76 Di-n-butylphthalate	149	13.629	13.629	(1.068)	1143409	40.0000	39
	77 Fluoranthene	202	14.399	14.399	(1.128)	855151	40.0000	38
$	78 Pyrene-d10	212	14.676	14.676	(0.899)	788469	40.0000	32
	79 Pyrene	202	14.697	14.697	(0.901)	912443	40.0000	29
	80 Butylbenzylphthalate	149	15.621	15.621	(0.957)	522325	40.0000	33
	81 3,3'-Dichlorobenzidine	252	16.289	16.289	(0.998)	359648	40.0000	39
	82 Benzo(a)anthracene	228	16.299	16.299	(0.999)	969654	40.0000	37
*	83 Chrysene-d12	240	16.320	16.320	(1.000)	894052	40.0000	
	84 Chrysene	228	16.361	16.361	(1.003)	910985	40.0000	37
	85 Bis(2-ethylhexyl)phthalate	149	16.412	16.412	(1.006)	711441	40.0000	34
	86 Di-n-octylphthalate	149	17.182	17.182	(0.948)	1394698	40.0000	42
	87 Benzo(b)fluoranthene	252	17.665	17.665	(0.974)	1127623	40.0000	50
	88 Benzo(k)fluoranthene	252	17.685	17.685	(0.976)	1102068	40.0000	38
$	89 Benzo(a)pyrene-d12	264	18.024	18.024	(0.994)	836523	40.0000	44
	90 Benzo(a)pyrene	252	18.055	18.055	(0.996)	897813	40.0000	40
*	91 Perylene-d12	264	18.127	18.127	(1.000)	777678	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.606	19.606	(1.082)	451287	40.0000	17
	93 Dibenzo(a,h)anthracene	278	19.627	19.627	(1.083)	402268	40.0000	18
	94 Benzo(g,h,i)perylene	276	20.027	20.027	(1.105)	309283	40.0000	13

QC Flag Legend

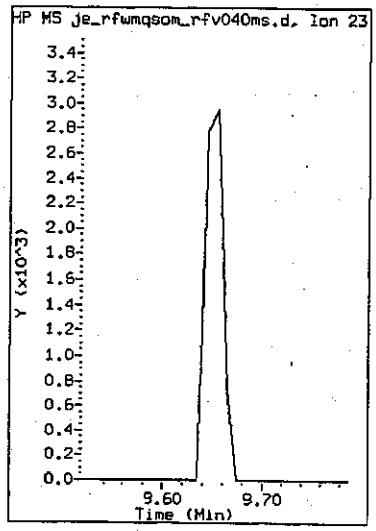
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

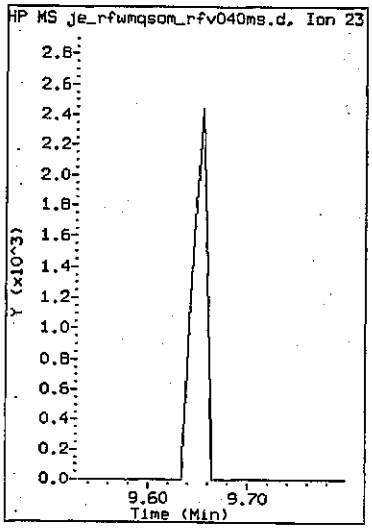
MANUAL INTEGRATION REPORT

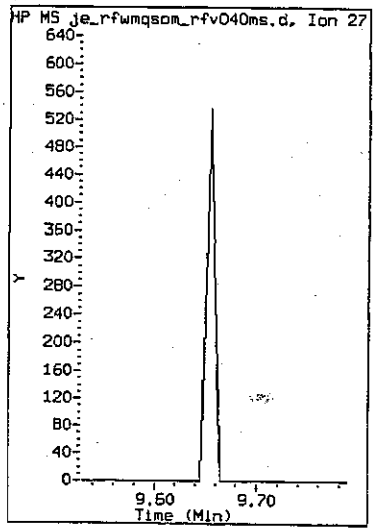
Data File Name: rfv040ms.d
Client Sample ID: SSTD020MS
Compound Name: HexachlorocyclopentadieneCAS #: 77-47-4

Inj. Date and Time: 22-MAY-2009 20:00
Instrument ID: R.i

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 16:43







Original Integrations:

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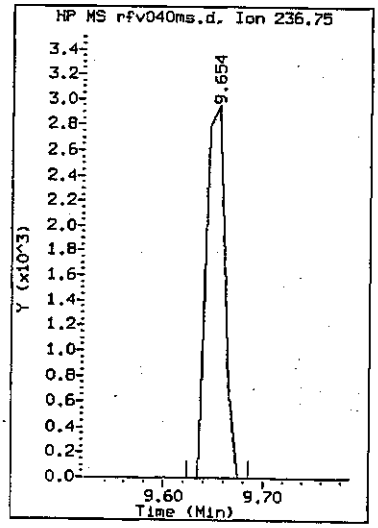
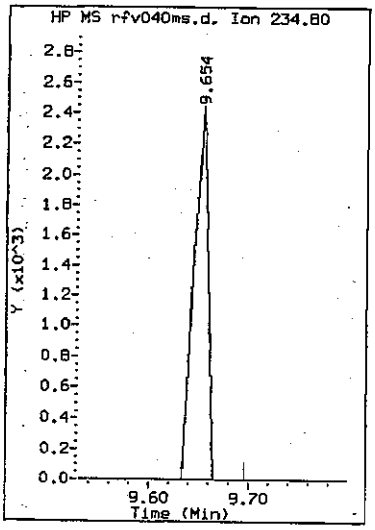
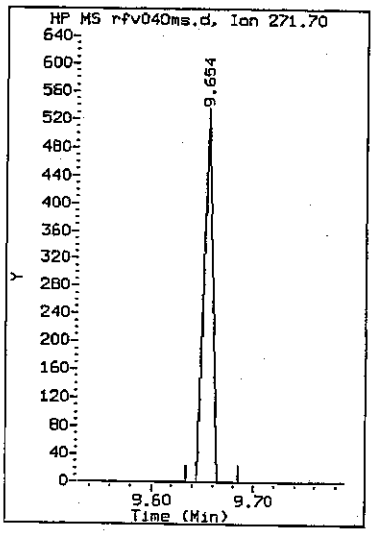






Final Integrations:

Area = 3989 Area = 2417 Area = 330

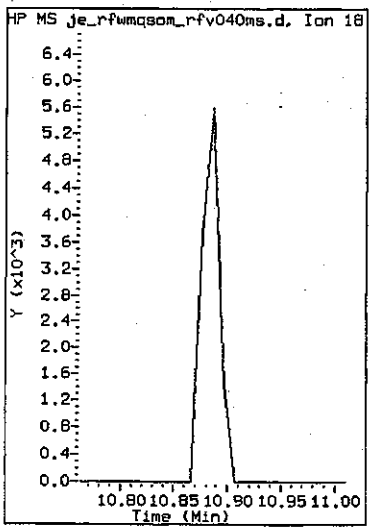
Manual Integration Reason: MI2 - Peak missed

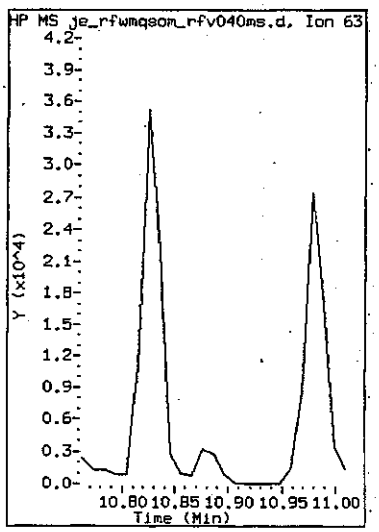
MANUAL INTEGRATION REPORT

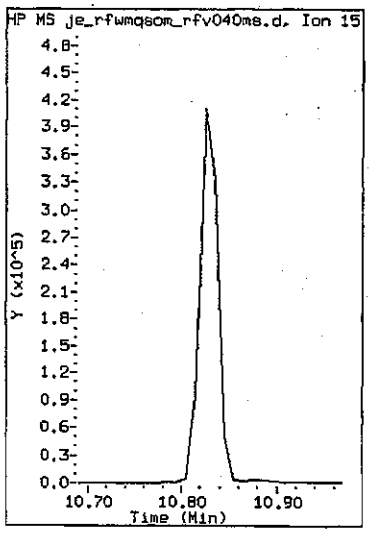
Data File Name: rfv040ms.d
Client Sample ID: SSTD020MS
Compound Name: 2,4-Dinitrophenol

Inj. Date and Time: 22-MAY-2009 20:00
Instrument ID: R.i
CAS #: 51-28-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 16:43

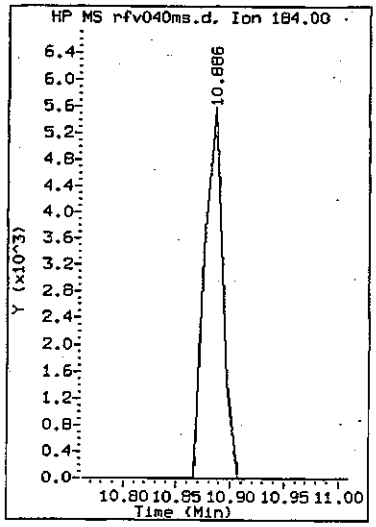


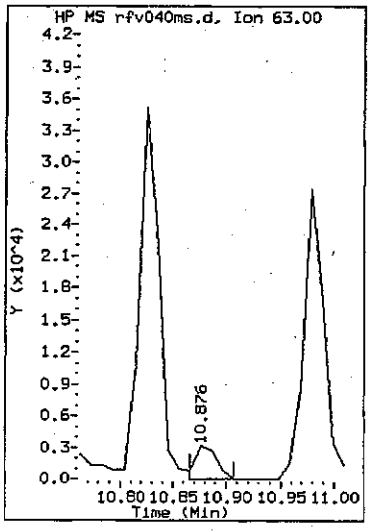


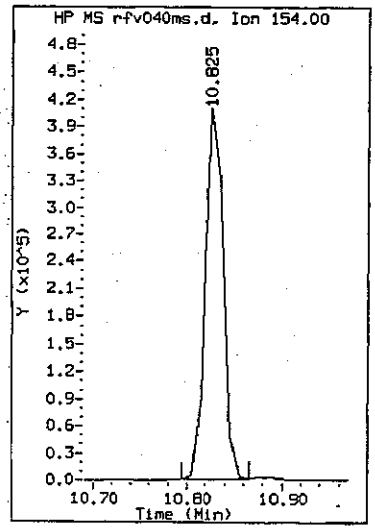


Original Integrations:

Area = 0 Area = 0 Area = 0







Final Integrations:

Area = 6629 Area = 4453 Area = 547191

Manual Integration Reason: MI2 - Peak missed

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 1807

Lab File ID: RFV040MU Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MU Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	0.930	0.010	-6.8	40.0
Phenol	1.964	1.834	0.800	-6.6	25.0
Bis(2-chloroethyl)ether	1.499	1.385	0.700	-7.6	25.0
2-Chlorophenol	1.509	1.416	0.800	-6.2	25.0
2-Methylphenol	1.284	1.132	0.700	-11.9	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.665	0.010	-5.5	40.0
Acetophenone	1.782	1.483	0.010	-16.8	40.0
4-Methylphenol	1.369	1.183	0.600	-13.6	25.0
N-Nitroso-di-n-propylamine	1.045	0.885	0.500	-15.3	25.0
Hexachloroethane	0.600	0.584	0.300	-2.7	25.0
Nitrobenzene	0.386	0.368	0.200	-4.6	25.0
Isophorone	0.809	0.728	0.400	-10.0	25.0
2-Nitrophenol	0.229	0.219	0.100	-4.4	25.0
2,4-Dimethylphenol	0.358	0.336	0.200	-6.0	25.0
Bis(2-chloroethoxy)methane	0.460	0.441	0.300	-4.2	25.0
2,4-Dichlorophenol	0.318	0.295	0.200	-7.2	25.0
Naphthalene	1.091	1.044	0.700	-4.3	25.0
4-Chloroaniline	0.503	0.450	0.010	-10.5	40.0
Hexachlorobutadiene	0.184	0.181	0.010	-1.8	40.0
Caprolactam	0.126	0.099	0.010	-21.5	40.0
4-Chloro-3-methylphenol	0.307	0.268	0.200	-12.6	25.0
2-Methylnaphthalene	0.686	0.625	0.400	-8.8	25.0
Hexachlorocyclopentadiene	0.261	0.259	0.010	-0.6	40.0
2,4,6-Trichlorophenol	0.416	0.403	0.200	-3.1	25.0
2,4,5-Trichlorophenol	0.434	0.431	0.200	-0.7	25.0
1,1'-Biphenyl	1.503	1.465	0.010	-2.5	40.0
2-Chloronaphthalene	1.291	1.282	0.800	-0.6	25.0
2-Nitroaniline	0.352	0.343	0.010	-2.4	40.0
Dimethylphthalate	1.470	1.304	0.010	-11.3	40.0
2,6-Dinitrotoluene	0.364	0.330	0.200	-9.2	25.0
Acenaphthylene	2.094	1.982	0.900	-5.4	25.0
3-Nitroaniline	0.410	0.384	0.010	-6.3	40.0
Acenaphthene	1.266	1.178	0.900	-7.0	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 1807

Lab File ID: RFV040MU Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MU Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.144	0.010	-14.4	40.0
4-Nitrophenol	0.183	0.156	0.010	-14.7	40.0
Dibenzofuran	1.764	1.632	0.800	-7.5	25.0
2,4-Dinitrotoluene	0.475	0.428	0.200	-9.9	25.0
Diethylphthalate	1.499	1.280	0.010	-14.6	40.0
Fluorene	1.464	1.305	0.900	-10.8	25.0
4-Chlorophenyl-phenylether	0.682	0.619	0.400	-9.2	25.0
4-Nitroaniline	0.401	0.359	0.010	-10.6	40.0
4,6-Dinitro-2-methylphenol	0.151	0.141	0.010	-6.2	40.0
N-Nitrosodiphenylamine (1)	0.734	0.731	0.010	-0.3	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.611	0.010	1.2	40.0
4-Bromophenyl-phenylether	0.247	0.248	0.100	0.2	25.0
Hexachlorobenzene	0.278	0.267	0.100	-4.2	25.0
Atrazine	0.207	0.184	0.010	-11.1	40.0
Pentachlorophenol	0.162	0.142	0.050	-12.1	25.0
Phenanthrene	1.199	1.160	0.700	-3.3	25.0
Anthracene	1.203	1.165	0.700	-3.2	25.0
Carbazole	1.156	1.085	0.010	-6.1	40.0
Di-n-butylphthalate	1.538	1.392	0.010	-9.5	40.0
Fluoranthene	1.157	1.063	0.600	-8.1	25.0
Pyrene	1.402	1.375	0.600	-1.9	25.0
Butylbenzylphthalate	0.705	0.677	0.010	-4.0	40.0
3,3'-Dichlorobenzidine	0.412	0.410	0.010	-0.5	40.0
Benzo(a)anthracene	1.159	1.149	0.800	-0.9	25.0
Chrysene	1.088	1.016	0.700	-6.6	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.870	0.010	-6.8	40.0
Di-n-octylphthalate	1.711	1.601	0.010	-6.4	40.0
Benzo(b)fluoranthene	1.169	1.074	0.700	-8.1	25.0
Benzo(k)fluoranthene	1.481	1.432	0.700	-3.3	25.0
Benzo(a)pyrene	1.141	1.088	0.700	-4.6	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.348	0.500	-0.2	25.0
Dibenzo(a,h)anthracene	1.119	1.117	0.400	-0.2	25.0
Benzo(g,h,i)perylene	1.188	1.174	0.500	-1.2	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.315	0.100	-15.7	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 1807

Lab File ID: RFV040MU Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MU Init. Calib. Time(s): 1032 1458

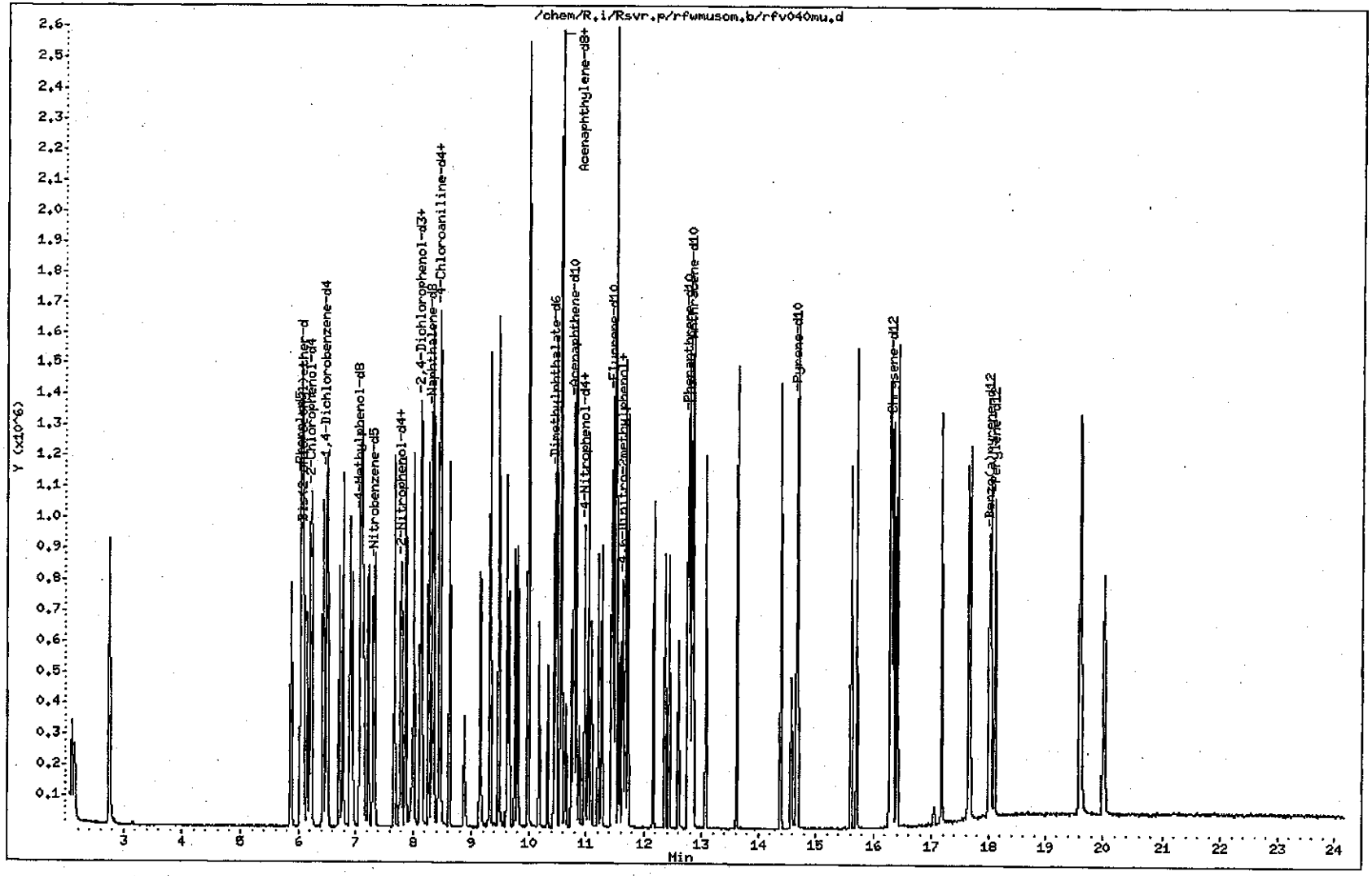
GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.540	0.010	-8.0	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.175	0.010	-4.1	25.0
2-Chlorophenol-d4	1.556	1.511	0.010	-2.9	25.0
4-Methylphenol-d8	1.223	1.101	0.010	-10.0	25.0
Nitrobenzene-d5	0.207	0.213	0.010	3.0	25.0
2-Nitrophenol-d4	0.226	0.230	0.010	1.4	25.0
2,4-Dichlorophenol-d3	0.350	0.335	0.010	-4.4	25.0
4-Chloroaniline-d4	0.511	0.474	0.010	-7.3	40.0
Dimethylphthalate-d6	1.476	1.381	0.010	-6.4	40.0
Acenaphthylene-d8	2.082	2.050	0.010	-1.5	25.0
4-Nitrophenol-d4	0.372	0.330	0.010	-11.4	40.0
Fluorene-d10	1.265	1.162	0.010	-8.2	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.154	0.010	-1.8	40.0
Anthracene-d10	1.168	1.147	0.010	-1.8	25.0
Pyrene-d10	1.114	1.133	0.010	1.7	25.0
Benzo(a)pyrene-d12	0.970	0.985	0.010	1.5	25.0

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mu.d
Date : 24-MAY-2009 18:07
Client ID: SSTD020MU
Sample Info: SSTD020MU
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: mtw
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mu.d
Report Date: 27-May-2009 08:32

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mu.d
Lab Smp Id: SSTD020MU
Client Smp ID: SSTD020MU
Inj Date : 24-MAY-2009 18:07
Operator : mtw
Inst ID: R.i
Smp Info : SSTD020MU
Misc Info : SSTD020MU
Comment :
Method : /chem/R.i/Rsvr.p/rfwmusom.b/fsom12.m
Meth Date : 27-May-2009 08:32 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37
Cal File: rfw160.d
Als bottle: 20
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.865	5.865	(0.905)	275021	40.0000	37
$ 5 Phenol-d5	71	6.030	6.030	(0.930)	159850	40.0000	37
6 Phenol	94	6.050	6.050	(0.933)	542666	40.0000	37
$ 7 Bis(2-chloroethyl)ether-d8	67	6.081	6.081	(0.938)	347546	40.0000	38
8 Bis(2-chloroethyl)ether	93	6.153	6.153	(0.949)	409704	40.0000	37
$ 9 2-Chlorophenol-d4	132	6.204	6.204	(0.957)	447020	40.0000	39
10 2-Chlorophenol	128	6.225	6.225	(0.960)	418893	40.0000	38
* 11 1,4-Dichlorobenzene-d4	152	6.482	6.482	(1.000)	295876	40.0000	
13 2-Methylphenol	108	6.903	6.903	(1.065)	334835	40.0000	35
14 2,2'-Oxybis(1-chloropropane)	45	6.934	6.934	(1.070)	492636	40.0000	38
$ 15 4-Methylphenol-d8	113	7.067	7.067	(1.090)	325856	40.0000	36
16 Acetophenone	105	7.098	7.098	(1.095)	438845	40.0000	33
17 4-Methylphenol	108	7.108	7.108	(1.097)	349879	40.0000	35

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mu.d
Report Date: 27-May-2009 08:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.139	7.139	(1.101)	261903	40.0000	34
	20 Hexachloroethane	117	7.221	7.221	(1.114)	172728	40.0000	39
$	21 Nitrobenzene-d5	128	7.314	7.314	(0.879)	216138	40.0000	41
	22 Nitrobenzene	77	7.334	7.334	(0.881)	373311	40.0000	38
	23 Isophorone	82	7.673	7.673	(0.922)	738194	40.0000	36
$	24 2-Nitrophenol-d4	143	7.786	7.786	(0.936)	232739	40.0000	41
	25 2-Nitrophenol	139	7.796	7.796	(0.937)	222135	40.0000	38
	26 2,4-Dimethylphenol	107	7.868	7.868	(0.946)	341052	40.0000	38
	27 Bis(2-chloroethoxy)methane	93	8.002	8.002	(0.962)	447125	40.0000	38
$	28 2,4-Dichlorophenol-d3	165	8.125	8.125	(0.977)	339626	40.0000	38
	29 2,4-Dichlorophenol	162	8.135	8.135	(0.978)	299522	40.0000	37
*	30 Naphthalene-d8	136	8.320	8.320	(1.000)	1014040	40.0000	
	31 Naphthalene	128	8.341	8.341	(1.002)	1059045	40.0000	38
$	32 4-Chloroaniline-d4	131	8.443	8.443	(1.015)	480680	40.0000	37
	33 4-Chloroaniline	127	8.454	8.454	(1.016)	456424	40.0000	36
	34 Hexachlorobutadiene	225	8.618	8.618	(1.036)	183194	40.0000	39
	35 Caprolactam	113	8.875	8.875	(1.067)	99961	40.0000	31
	36 4-Chloro-3-methylphenol	107	9.142	9.142	(1.099)	271889	40.0000	35
	37 2-Methylnaphthalene	142	9.316	9.316	(1.120)	634272	40.0000	36
	38 1,2,4,5-Tetrachlorobenzene	216	9.614	9.614	(0.891)	292114	40.0000	40
	39 Hexachlorocyclopentadiene	237	9.645	9.645	(0.894)	123991	40.0000	40
	40 2,4,6-Trichlorophenol	196	9.758	9.758	(0.905)	192925	40.0000	39
	41 2,4,5-Trichlorophenol	196	9.799	9.799	(0.909)	206258	40.0000	40
	42 1,1'-Biphenyl	154	9.984	9.984	(0.926)	700985	40.0000	39
	43 2-Chloronaphthalene	162	9.994	9.994	(0.927)	613443	40.0000	40
	44 2-Nitroaniline	65	10.169	10.169	(0.943)	164282	40.0000	39
$	45 Dimethylphthalate-d6	166	10.446	10.446	(0.969)	660603	40.0000	37
	46 Dimethylphthalate	163	10.477	10.477	(0.971)	623858	40.0000	35
$	47 Acenaphthylene-d8	160	10.549	10.549	(0.978)	980371	40.0000	39
	48 Acenaphthylene	152	10.569	10.569	(0.980)	948183	40.0000	38
	49 2,6-Dinitrotoluene	165	10.559	10.559	(0.979)	157951	40.0000	36
	50 3-Nitroaniline	138	10.744	10.744	(0.996)	183575	40.0000	37
*	51 Acenaphthene-d10	164	10.785	10.785	(1.000)	478338	40.0000	
	52 Acenaphthene	153	10.826	10.826	(1.004)	563326	40.0000	37
	53 2,4-Dinitrophenol	184	10.877	10.877	(1.009)	68781	40.0000	34
$	54 4-Nitrophenol-d4	143	10.970	10.970	(1.017)	157816	40.0000	35
	55 4-Nitrophenol	109	10.980	10.980	(1.018)	74608	40.0000	34
	56 Dibenzofuran	168	11.042	11.042	(1.024)	780661	40.0000	37
	57 2,4-Dinitrotoluene	165	11.093	11.093	(1.029)	204681	40.0000	36
	58 2,3,4,6-Tetrachlorophenol	232	11.268	11.268	(1.045)	150640	40.0000	34
	59 Diethylphthalate	149	11.432	11.432	(1.060)	612414	40.0000	34
$	60 Fluorene-d10	176	11.463	11.463	(1.063)	555657	40.0000	37
	61 Fluorene	166	11.504	11.504	(1.067)	624269	40.0000	36
	62 4-Chlorophenyl-phenylether	204	11.514	11.514	(1.068)	296284	40.0000	36
	63 4-Nitroaniline	138	11.576	11.576	(1.073)	171641	40.0000	36
$	64 4,6-Dinitro-2methylphenol-d2	200	11.627	11.627	(0.911)	109837	40.0000	39
	65 4,6-Dinitro-2-methylphenol	198	11.637	11.637	(0.912)	101060	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mu.d
Report Date: 27-May-2009 08:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.678	11.678	(0.915)	523013	40.0000	40
	67 4-Bromophenyl-phenylether	248	12.161	12.161	(0.953)	177292	40.0000	40
	68 Hexachlorobenzene	284	12.367	12.367	(0.969)	190670	40.0000	38
	69 Atrazine	200	12.438	12.438	(0.975)	131658	40.0000	36
	70 Pentachlorophenol	266	12.593	12.593	(0.987)	101772	40.0000	35
*	71 Phenanthrene-d10	188	12.757	12.757	(1.000)	715254	40.0000	
	72 Phenanthrene	178	12.788	12.788	(1.002)	829721	40.0000	39
$	73 Anthracene-d10	188	12.829	12.829	(1.006)	820490	40.0000	39
	74 Anthracene	178	12.849	12.849	(1.007)	833276	40.0000	39
	75 Carbazole	167	13.075	13.075	(1.025)	776395	40.0000	38
	76 Di-n-butylphthalate	149	13.620	13.620	(1.068)	995363	40.0000	36
	77 Fluoranthene	202	14.390	14.390	(1.128)	760129	40.0000	37
$	78 Pyrene-d10	212	14.667	14.667	(0.899)	654406	40.0000	41
	79 Pyrene	202	14.688	14.688	(0.900)	793697	40.0000	39
	80 Butylbenzylphthalate	149	15.612	15.612	(0.957)	391119	40.0000	38
	81 3,3'-Dichlorobenzidine	252	16.280	16.280	(0.998)	236487	40.0000	40
	82 Benzo(a)anthracene	228	16.290	16.290	(0.999)	663273	40.0000	40
*	83 Chrysene-d12	240	16.310	16.310	(1.000)	577337	40.0000	
	84 Chrysene	228	16.341	16.341	(1.002)	586809	40.0000	37
	85 Bis(2-ethylhexyl)phthalate	149	16.403	16.403	(1.006)	502217	40.0000	37
	86 Di-n-octylphthalate	149	17.173	17.173	(0.948)	864465	40.0000	37
	87 Benzo(b)fluoranthene	252	17.646	17.646	(0.974)	579851	40.0000	37
	88 Benzo(k)fluoranthene	252	17.676	17.676	(0.976)	773398	40.0000	39
$	89 Benzo(a)pyrene-d12	264	18.015	18.015	(0.995)	531815	40.0000	41
	90 Benzo(a)pyrene	252	18.036	18.036	(0.996)	587714	40.0000	38
*	91 Perylene-d12	264	18.108	18.108	(1.000)	540024	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.597	19.597	(1.082)	727840	40.0000	40
	93 Dibenzo(a,h)anthracene	278	19.607	19.607	(1.083)	602988	40.0000	40
	94 Benzo(g,h,i)perylene	276	20.018	20.018	(1.105)	634006	40.0000	40

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 2358

Lab File ID: RFV040MW Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MW Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	0.992	0.010	-0.5	50.0
Phenol	1.964	1.914	0.010	-2.6	50.0
Bis(2-chloroethyl)ether	1.499	1.457	0.010	-2.8	50.0
2-Chlorophenol	1.509	1.494	0.010	-1.0	50.0
2-Methylphenol	1.284	1.237	0.010	-3.7	50.0
2,2'-Oxybis(1-chloropropane)	1.761	1.787	0.010	1.5	50.0
Acetophenone	1.782	1.633	0.010	-8.3	50.0
4-Methylphenol	1.369	1.311	0.010	-4.2	50.0
N-Nitroso-di-n-propylamine	1.045	1.030	0.010	-1.4	50.0
Hexachloroethane	0.600	0.573	0.010	-4.5	50.0
Nitrobenzene	0.386	0.369	0.010	-4.3	50.0
Isophorone	0.809	0.771	0.010	-4.7	50.0
2-Nitrophenol	0.229	0.214	0.010	-6.4	50.0
2,4-Dimethylphenol	0.358	0.351	0.010	-1.9	50.0
Bis(2-chloroethoxy)methane	0.460	0.457	0.010	-0.8	50.0
2,4-Dichlorophenol	0.318	0.303	0.010	-4.7	50.0
Naphthalene	1.091	1.041	0.010	-4.6	50.0
4-Chloroaniline	0.503	0.472	0.010	-6.1	50.0
Hexachlorobutadiene	0.184	0.176	0.010	-4.5	50.0
Caprolactam	0.126	0.115	0.010	-8.0	50.0
4-Chloro-3-methylphenol	0.307	0.298	0.010	-2.8	50.0
2-Methylnaphthalene	0.686	0.652	0.010	-4.9	50.0
Hexachlorocyclopentadiene	0.261	0.133	0.010	-49.2	50.0
2,4,6-Trichlorophenol	0.416	0.399	0.010	-4.1	50.0
2,4,5-Trichlorophenol	0.434	0.415	0.010	-4.5	50.0
1,1'-Biphenyl	1.503	1.434	0.010	-4.6	50.0
2-Chloronaphthalene	1.291	1.252	0.010	-3.0	50.0
2-Nitroaniline	0.352	0.361	0.010	2.5	50.0
Dimethylphthalate	1.470	1.397	0.010	-5.0	50.0
2,6-Dinitrotoluene	0.364	0.350	0.010	-3.7	50.0
Acenaphthylene	2.094	2.004	0.010	-4.3	50.0
3-Nitroaniline	0.410	0.407	0.010	-0.6	50.0
Acenaphthene	1.266	1.184	0.010	-6.5	50.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 2358

Lab File ID: RFV040MW Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MW Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.126	0.010	-24.7	50.0
4-Nitrophenol	0.183	0.191	0.010	4.4	50.0
Dibenzofuran	1.764	1.695	0.010	-3.9	50.0
2,4-Dinitrotoluene	0.475	0.458	0.010	-3.5	50.0
Diethylphthalate	1.499	1.440	0.010	-3.9	50.0
Fluorene	1.464	1.427	0.010	-2.5	50.0
4-Chlorophenyl-phenylether	0.682	0.654	0.010	-4.1	50.0
4-Nitroaniline	0.401	0.418	0.010	4.1	50.0
4,6-Dinitro-2-methylphenol	0.151	0.130	0.010	-13.6	50.0
N-Nitrosodiphenylamine (1)	0.734	0.714	0.010	-2.7	50.0
1,2,4,5-Tetrachlorobenzene	0.604	0.583	0.010	-3.5	50.0
4-Bromophenyl-phenylether	0.247	0.236	0.010	-4.5	50.0
Hexachlorobenzene	0.278	0.259	0.010	-7.1	50.0
Atrazine	0.207	0.188	0.010	-9.1	50.0
Pentachlorophenol	0.162	0.159	0.010	-1.7	50.0
Phenanthrene	1.199	1.165	0.010	-2.8	50.0
Anthracene	1.203	1.155	0.010	-4.0	50.0
Carbazole	1.156	1.167	0.010	1.0	50.0
Di-n-butylphthalate	1.538	1.523	0.010	-0.9	50.0
Fluoranthene	1.157	1.176	0.010	1.7	50.0
Pyrene	1.402	1.114	0.010	-20.5	50.0
Butylbenzylphthalate	0.705	0.608	0.010	-13.8	50.0
3,3'-Dichlorobenzidine	0.412	0.430	0.010	4.4	50.0
Benzo(a)anthracene	1.159	1.133	0.010	-2.2	50.0
Chrysene	1.088	1.036	0.010	-4.7	50.0
Bis(2-ethylhexyl)phthalate	0.934	0.818	0.010	-12.4	50.0
Di-n-octylphthalate	1.711	1.404	0.010	-17.9	50.0
Benzo(b)fluoranthene	1.169	1.285	0.010	10.0	50.0
Benzo(k)fluoranthene	1.481	1.322	0.010	-10.7	50.0
Benzo(a)pyrene	1.141	1.155	0.010	1.3	50.0
Indeno(1,2,3-cd)pyrene	1.350	0.899	0.010	-33.4	50.0
Dibenzo(a,h)anthracene	1.119	0.793	0.010	-29.1	50.0
Benzo(g,h,i)perylene	1.188	0.654	0.010	-44.9	50.0
2,3,4,6-Tetrachlorophenol	0.374	0.348	0.010	-7.0	50.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/24/2009 Time: 2358

Lab File ID: RFV040MW Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MW Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.603	0.010	2.7	50.0
Bis(2-chloroethyl)ether-d8	1.225	1.250	0.010	2.0	50.0
2-Chlorophenol-d4	1.556	1.615	0.010	3.8	50.0
4-Methylphenol-d8	1.223	1.207	0.010	-1.4	50.0
Nitrobenzene-d5	0.207	0.212	0.010	2.7	50.0
2-Nitrophenol-d4	0.226	0.226	0.010	-0.2	50.0
2,4-Dichlorophenol-d3	0.350	0.352	0.010	0.4	50.0
4-Chloroaniline-d4	0.511	0.498	0.010	-2.5	50.0
Dimethylphthalate-d6	1.476	1.441	0.010	-2.3	50.0
Acenaphthylene-d8	2.082	2.075	0.010	-0.3	50.0
4-Nitrophenol-d4	0.372	0.390	0.010	4.6	50.0
Fluorene-d10	1.265	1.243	0.010	-1.8	50.0
4,6-Dinitro-2methylphenol-d2	0.156	0.135	0.010	-13.8	50.0
Anthracene-d10	1.168	1.149	0.010	-1.6	50.0
Pyrene-d10	1.114	0.911	0.010	-18.2	50.0
Benzo(a)pyrene-d12	0.970	1.033	0.010	6.5	50.0

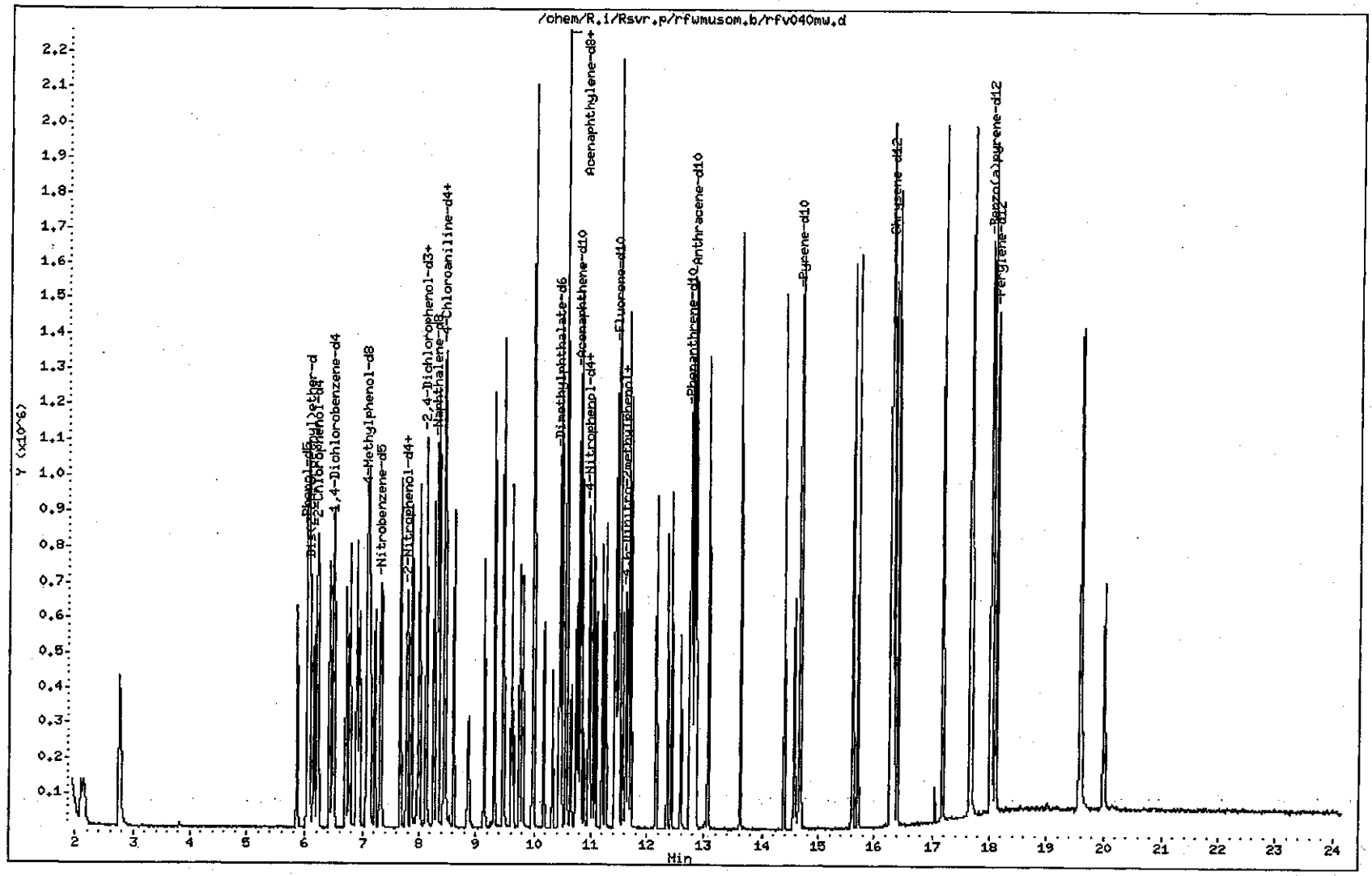
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mw.d
Date : 24-MAY-2009 23:58
Client ID: SSTD020MW
Sample Info: SSTD020MW
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: mtw
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mw.d
Report Date: 27-May-2009 08:33

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mw.d
Lab Smp Id: SSTD020MW Client Smp ID: SSTD020MW
Inj Date : 24-MAY-2009 23:58
Operator : mtw Inst ID: R.i
Smp Info : SSTD020MW
Misc Info : SSTD020MW
Comment :
Method : /chem/R.i/Rsvr.p/rfwmusom.b/fRFWf7.m
Meth Date : 27-May-2009 08:33 je Quant Type: ISTD
Cal Date : 20-MAY-2009 14:58 Cal File: rfw010.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.858	5.858	(0.905)	210277	40.0000	40
$ 5 Phenol-d5	71	6.023	6.023	(0.930)	127747	40.0000	41
6 Phenol	94	6.043	6.043	(0.933)	405802	40.0000	39
$ 7 Bis(2-chloroethyl)ether-d8	67	6.074	6.074	(0.938)	264911	40.0000	41
8 Bis(2-chloroethyl)ether	93	6.146	6.146	(0.949)	308821	40.0000	39
$ 9 2-Chlorophenol-d4	132	6.197	6.197	(0.957)	342465	40.0000	42
10 2-Chlorophenol	128	6.218	6.218	(0.960)	316806	40.0000	40
* 11 1,4-Dichlorobenzene-d4	152	6.475	6.475	(1.000)	211993	40.0000	
13 2-Methylphenol	108	6.896	6.896	(1.065)	262174	40.0000	39
14 2,2'-Oxybis(1-chloropropane)	45	6.937	6.937	(1.071)	378861	40.0000	41
$ 15 4-Methylphenol-d8	113	7.070	7.070	(1.092)	255785	40.0000	39
16 Acetophenone	105	7.091	7.091	(1.095)	346270	40.0000	37
17 4-Methylphenol	108	7.101	7.101	(1.097)	277950	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mw.d
Report Date: 27-May-2009 08:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.132	7.132	(1.102)	218448	40.0000	39
	20 Hexachloroethane	117	7.214	7.214	(1.114)	121451	40.0000	38
$	21 Nitrobenzene-d5	128	7.307	7.307	(0.879)	168422	40.0000	41
	22 Nitrobenzene	77	7.327	7.327	(0.881)	292588	40.0000	38
	23 Isophorone	82	7.666	7.666	(0.922)	611278	40.0000	38
$	24 2-Nitrophenol-d4	143	7.779	7.779	(0.936)	178912	40.0000	40
	25 2-Nitrophenol	139	7.789	7.789	(0.937)	169943	40.0000	37
	26 2,4-Dimethylphenol	107	7.861	7.861	(0.946)	278333	40.0000	39
	27 Bis(2-chloroethoxy)methane	93	7.995	7.995	(0.962)	362205	40.0000	40
$	28 2,4-Dichlorophenol-d3	165	8.118	8.118	(0.977)	278702	40.0000	40
	29 2,4-Dichlorophenol	162	8.128	8.128	(0.978)	240498	40.0000	38
*	30 Naphthalene-d8	136	8.313	8.313	(1.000)	792714	40.0000	
	31 Naphthalene	128	8.334	8.334	(1.002)	825347	40.0000	38
$	32 4-Chloroaniline-d4	131	8.436	8.436	(1.015)	395110	40.0000	39
	33 4-Chloroaniline	127	8.447	8.447	(1.016)	374460	40.0000	38
	34 Hexachlorobutadiene	225	8.611	8.611	(1.036)	139298	40.0000	38
	35 Caprolactam	113	8.868	8.868	(1.067)	91519	40.0000	37
	36 4-Chloro-3-methylphenol	107	9.145	9.145	(1.100)	236344	40.0000	39
	37 2-Methylnaphthalene	142	9.309	9.309	(1.120)	516752	40.0000	38
	38 1,2,4,5-Tetrachlorobenzene	216	9.607	9.607	(0.891)	237442	40.0000	39
	39 Hexachlorocyclopentadiene	237	9.638	9.638	(0.894)	54014	40.0000	20
	40 2,4,6-Trichlorophenol	196	9.751	9.751	(0.905)	162675	40.0000	38
	41 2,4,5-Trichlorophenol	196	9.802	9.802	(0.909)	169028	40.0000	38
	42 1,1'-Biphenyl	154	9.977	9.977	(0.926)	584476	40.0000	38
	43 2-Chloronaphthalene	162	9.987	9.987	(0.927)	510302	40.0000	39
	44 2-Nitroaniline	65	10.162	10.162	(0.943)	147022	40.0000	41
$	45 Dimethylphthalate-d6	166	10.439	10.439	(0.969)	587381	40.0000	39
	46 Dimethylphthalate	163	10.470	10.470	(0.971)	569218	40.0000	38
$	47 Acenaphthylene-d8	160	10.542	10.542	(0.978)	845870	40.0000	40
	48 Acenaphthylene	152	10.562	10.562	(0.980)	817023	40.0000	38
	49 2,6-Dinitrotoluene	165	10.552	10.552	(0.979)	142858	40.0000	39
	50 3-Nitroaniline	138	10.737	10.737	(0.996)	165982	40.0000	40
*	51 Acenaphthene-d10	164	10.778	10.778	(1.000)	407602	40.0000	
	52 Acenaphthene	153	10.819	10.819	(1.004)	482590	40.0000	37
	53 2,4-Dinitrophenol	184	10.870	10.870	(1.009)	51516	40.0000	30(Q)
$	54 4-Nitrophenol-d4	143	10.963	10.963	(1.017)	158776	40.0000	42
	55 4-Nitrophenol	109	10.973	10.973	(1.018)	77809	40.0000	42
	56 Dibenzofuran	168	11.035	11.035	(1.024)	691003	40.0000	38
	57 2,4-Dinitrotoluene	165	11.086	11.086	(1.029)	186804	40.0000	39
	58 2,3,4,6-Tetrachlorophenol	232	11.261	11.261	(1.045)	141698	40.0000	37
	59 Diethylphthalate	149	11.435	11.435	(1.061)	586928	40.0000	38
$	60 Fluorene-d10	176	11.466	11.466	(1.064)	506605	40.0000	39
	61 Fluorene	166	11.497	11.497	(1.067)	581656	40.0000	39
	62 4-Chlorophenyl-phenylether	204	11.507	11.507	(1.068)	266532	40.0000	38
	63 4-Nitroaniline	138	11.569	11.569	(1.073)	170381	40.0000	42
$	64 4,6-Dinitro-2methylphenol-d2	200	11.620	11.620	(0.911)	92792	40.0000	34
	65 4,6-Dinitro-2-methylphenol	198	11.630	11.630	(0.911)	89580	40.0000	35

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfv040mw.d
Report Date: 27-May-2009 08:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 N-Nitrosodiphenylamine	169	11.671	11.671	(0.915)	491159	40.0000	39
67 4-Bromophenyl-phenylether	248	12.154	12.154	(0.952)	162496	40.0000	38
68 Hexachlorobenzene	284	12.360	12.360	(0.969)	177786	40.0000	37
69 Atrazine	200	12.431	12.431	(0.974)	129435	40.0000	36
70 Pentachlorophenol	266	12.596	12.596	(0.987)	109488	40.0000	39
* 71 Phenanthrene-d10	188	12.760	12.760	(1.000)	687745	40.0000	
72 Phenanthrene	178	12.791	12.791	(1.002)	801566	40.0000	39
$ 73 Anthracene-d10	188	12.822	12.822	(1.005)	790325	40.0000	39
74 Anthracene	178	12.842	12.842	(1.006)	794151	40.0000	38
75 Carbazole	167	13.068	13.068	(1.024)	802763	40.0000	40
76 Di-n-butylphthalate	149	13.613	13.613	(1.067)	1047648	40.0000	40
77 Fluoranthene	202	14.383	14.383	(1.127)	808902	40.0000	41
$ 78 Pyrene-d10	212	14.660	14.660	(0.899)	704628	40.0000	33
79 Pyrene	202	14.681	14.681	(0.900)	861451	40.0000	32
80 Butylbenzylphthalate	149	15.605	15.605	(0.957)	470261	40.0000	34
81 3,3'-Dichlorobenzidine	252	16.273	16.273	(0.998)	332080	40.0000	42
82 Benzo(a)anthracene	228	16.283	16.283	(0.999)	876077	40.0000	39
* 83 Chrysene-d12	240	16.303	16.303	(1.000)	773080	40.0000	
84 Chrysene	228	16.345	16.345	(1.003)	801012	40.0000	38
85 Bis(2-ethylhexyl)phthalate	149	16.396	16.396	(1.006)	632641	40.0000	35
86 Di-n-octylphthalate	149	17.166	17.166	(0.948)	1154937	40.0000	33
87 Benzo(b)fluoranthene	252	17.649	17.649	(0.974)	1057784	40.0000	44
88 Benzo(k)fluoranthene	252	17.669	17.669	(0.976)	1087739	40.0000	36
$ 89 Benzo(a)pyrene-d12	264	18.008	18.008	(0.994)	850375	40.0000	43
90 Benzo(a)pyrene	252	18.039	18.039	(0.996)	950747	40.0000	41
* 91 Perylene-d12	264	18.111	18.111	(1.000)	822891	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	19.590	19.590	(1.082)	739537	40.0000	27
93 Dibenzo(a,h)anthracene	278	19.600	19.600	(1.082)	652773	40.0000	28
94 Benzo(g,h,i)perylene	276	20.011	20.011	(1.105)	538399	40.0000	22

QC Flag Legend

Q - Qualifier signal failed the ratio test.

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 0717

Lab File ID: RFV040MY Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MY Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Benzaldehyde	0.997	1.048	0.010	5.1	40.0
Phenol	1.964	1.949	0.800	-0.8	25.0
Bis(2-chloroethyl)ether	1.499	1.492	0.700	-0.5	25.0
2-Chlorophenol	1.509	1.512	0.800	0.2	25.0
2-Methylphenol	1.284	1.197	0.700	-6.8	25.0
2,2'-Oxybis(1-chloropropane)	1.761	1.773	0.010	0.7	40.0
Acetophenone	1.782	1.660	0.010	-6.9	40.0
4-Methylphenol	1.369	1.257	0.600	-8.1	25.0
N-Nitroso-di-n-propylamine	1.045	0.974	0.500	-6.7	25.0
Hexachloroethane	0.600	0.655	0.300	9.3	25.0
Nitrobenzene	0.386	0.394	0.200	2.1	25.0
Isophorone	0.809	0.789	0.400	-2.5	25.0
2-Nitrophenol	0.229	0.233	0.100	1.6	25.0
2,4-Dimethylphenol	0.358	0.356	0.200	-0.6	25.0
Bis(2-chloroethoxy)methane	0.460	0.472	0.300	2.5	25.0
2,4-Dichlorophenol	0.318	0.314	0.200	-1.4	25.0
Naphthalene	1.091	1.113	0.700	2.0	25.0
4-Chloroaniline	0.503	0.488	0.010	-2.9	40.0
Hexachlorobutadiene	0.184	0.190	0.010	3.0	40.0
Caprolactam	0.126	0.117	0.010	-6.9	40.0
4-Chloro-3-methylphenol	0.307	0.290	0.200	-5.4	25.0
2-Methylnaphthalene	0.686	0.680	0.400	-0.8	25.0
Hexachlorocyclopentadiene	0.261	0.300	0.010	14.8	40.0
2,4,6-Trichlorophenol	0.416	0.415	0.200	-0.3	25.0
2,4,5-Trichlorophenol	0.434	0.414	0.200	-4.7	25.0
1,1'-Biphenyl	1.503	1.558	0.010	3.7	40.0
2-Chloronaphthalene	1.291	1.313	0.800	1.7	25.0
2-Nitroaniline	0.352	0.369	0.010	4.8	40.0
Dimethylphthalate	1.470	1.414	0.010	-3.8	40.0
2,6-Dinitrotoluene	0.364	0.359	0.200	-1.5	25.0
Acenaphthylene	2.094	2.111	0.900	0.8	25.0
3-Nitroaniline	0.410	0.406	0.010	-0.8	40.0
Acenaphthene	1.266	1.244	0.900	-1.7	25.0

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 0717

Lab File ID: RFV040MY Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MY Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
2,4-Dinitrophenol	0.168	0.154	0.010	-8.6	40.0
4-Nitrophenol	0.183	0.173	0.010	-5.3	40.0
Dibenzofuran	1.764	1.718	0.800	-2.6	25.0
2,4-Dinitrotoluene	0.475	0.464	0.200	-2.2	25.0
Diethylphthalate	1.499	1.414	0.010	-5.7	40.0
Fluorene	1.464	1.419	0.900	-3.0	25.0
4-Chlorophenyl-phenylether	0.682	0.672	0.400	-1.5	25.0
4-Nitroaniline	0.401	0.404	0.010	0.6	40.0
4,6-Dinitro-2-methylphenol	0.151	0.153	0.010	1.5	40.0
N-Nitrosodiphenylamine (1)	0.734	0.749	0.010	2.0	40.0
1,2,4,5-Tetrachlorobenzene	0.604	0.632	0.010	4.7	40.0
4-Bromophenyl-phenylether	0.247	0.259	0.100	4.5	25.0
Hexachlorobenzene	0.278	0.269	0.100	-3.5	25.0
Atrazine	0.207	0.206	0.010	-0.7	40.0
Pentachlorophenol	0.162	0.149	0.050	-7.9	25.0
Phenanthrene	1.199	1.206	0.700	0.5	25.0
Anthracene	1.203	1.214	0.700	0.9	25.0
Carbazole	1.156	1.152	0.010	-0.3	40.0
Di-n-butylphthalate	1.538	1.527	0.010	-0.7	40.0
Fluoranthene	1.157	1.152	0.600	-0.5	25.0
Pyrene	1.402	1.391	0.600	-0.8	25.0
Butylbenzylphthalate	0.705	0.721	0.010	2.2	40.0
3,3'-Dichlorobenzidine	0.412	0.429	0.010	4.1	40.0
Benzo(a)anthracene	1.159	1.217	0.800	5.0	25.0
Chrysene	1.088	1.099	0.700	1.1	25.0
Bis(2-ethylhexyl)phthalate	0.934	0.923	0.010	-1.1	40.0
Di-n-octylphthalate	1.711	1.716	0.010	0.3	40.0
Benzo(b)fluoranthene	1.169	1.167	0.700	-0.2	25.0
Benzo(k)fluoranthene	1.481	1.511	0.700	2.1	25.0
Benzo(a)pyrene	1.141	1.160	0.700	1.7	25.0
Indeno(1,2,3-cd)pyrene	1.350	1.376	0.500	2.0	25.0
Dibenzo(a,h)anthracene	1.119	1.140	0.400	1.8	25.0
Benzo(g,h,i)perylene	1.188	1.194	0.500	0.5	25.0
2,3,4,6-Tetrachlorophenol	0.374	0.346	0.100	-7.5	25.0

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 0717

Lab File ID: RFV040MY Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MY Init. Calib. Time(s): 1032 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

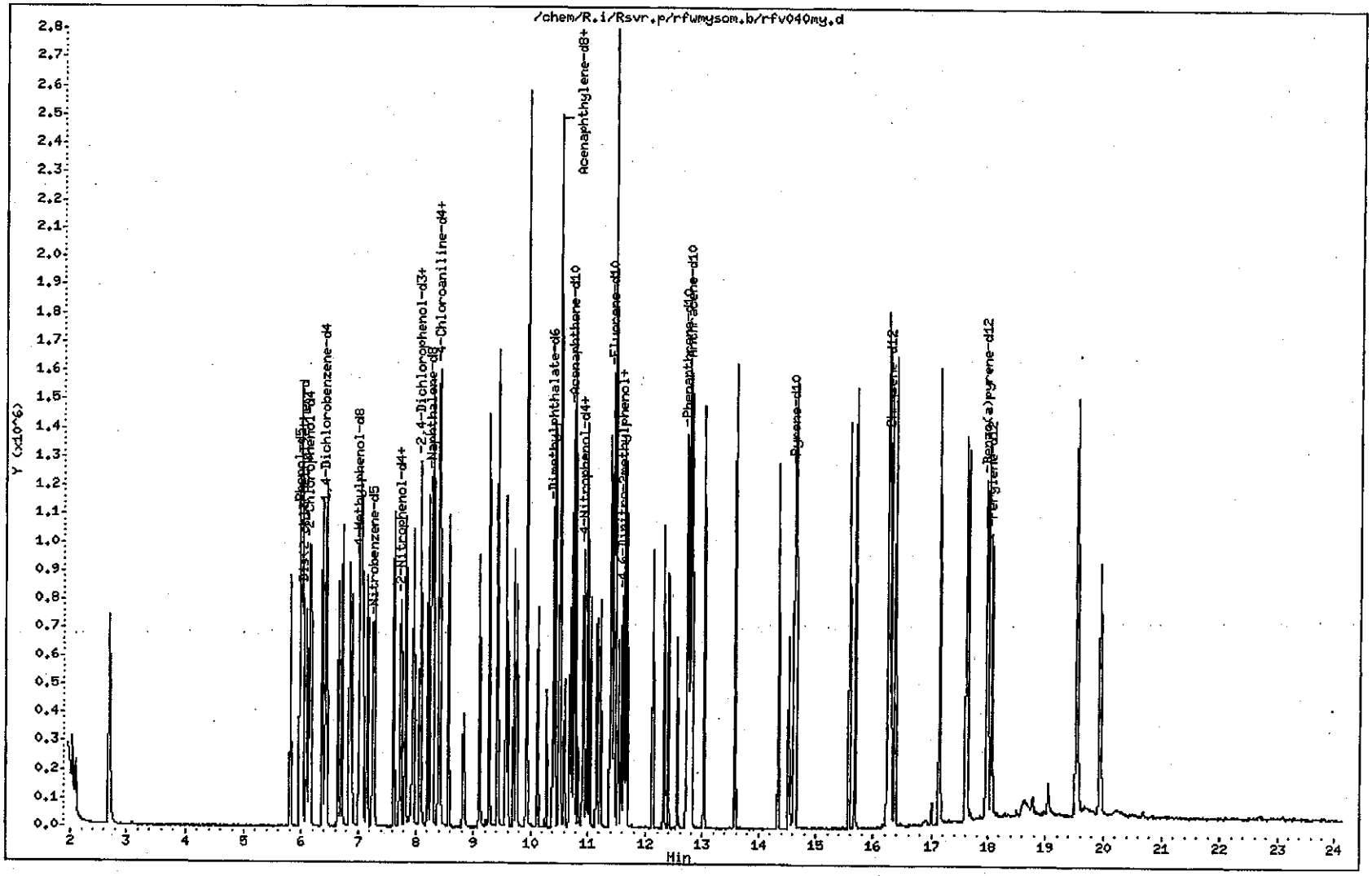
COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Phenol-d5	0.587	0.559	0.010	-4.8	25.0
Bis(2-chloroethyl)ether-d8	1.225	1.218	0.010	-0.6	25.0
2-Chlorophenol-d4	1.556	1.543	0.010	-0.8	25.0
4-Methylphenol-d8	1.223	1.135	0.010	-7.2	25.0
Nitrobenzene-d5	0.207	0.219	0.010	5.7	25.0
2-Nitrophenol-d4	0.226	0.240	0.010	6.0	25.0
2,4-Dichlorophenol-d3	0.350	0.344	0.010	-1.9	25.0
4-Chloroaniline-d4	0.511	0.504	0.010	-1.5	40.0
Dimethylphthalate-d6	1.476	1.419	0.010	-3.9	40.0
Acenaphthylene-d8	2.082	2.070	0.010	-0.5	25.0
4-Nitrophenol-d4	0.372	0.359	0.010	-3.6	40.0
Fluorene-d10	1.265	1.287	0.010	1.7	25.0
4,6-Dinitro-2methylphenol-d2	0.156	0.152	0.010	-2.8	40.0
Anthracene-d10	1.168	1.158	0.010	-0.9	25.0
Pyrene-d10	1.114	1.086	0.010	-2.5	25.0
Benzo(a)pyrene-d12	0.970	1.006	0.010	3.7	25.0

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfumysom.b/rfv040my.d
Date : 26-MAY-2009 07:17
Client ID: SSTD020MY
Sample Info: SSTD020MY
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040my.d
Report Date: 27-May-2009 09:04

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/rfv040my.d
Lab Smp Id: SSTD020MY
Client Smp ID: SSTD020MY
Inj Date : 26-MAY-2009 07:17
Operator : djb
Inst ID: R.i
Smp Info : SSTD020MY
Misc Info : SSTD020MY
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fsom12.m
Meth Date : 27-May-2009 09:04 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37
Cal File: rfw160.d
Als bottle: 20
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	4 Benzaldehyde	77	5.802	5.802	(0.904)	273580	40.0000	42
$	5 Phenol-d5	71	5.977	5.977	(0.931)	145819	40.0000	38
	6 Phenol	94	5.987	5.987	(0.933)	508871	40.0000	40
$	7 Bis(2-chloroethyl)ether-d8	67	6.028	6.028	(0.939)	317939	40.0000	40
	8 Bis(2-chloroethyl)ether	93	6.090	6.090	(0.949)	389472	40.0000	40
$	9 2-Chlorophenol-d4	132	6.141	6.141	(0.957)	402849	40.0000	40
	10 2-Chlorophenol	128	6.162	6.162	(0.960)	394567	40.0000	40
*	11 1,4-Dichlorobenzene-d4	152	6.418	6.418	(1.000)	261039	40.0000	
	13 2-Methylphenol	108	6.850	6.850	(1.067)	312507	40.0000	37
	14 2,2'-Oxybis(1-chloropropane)	45	6.881	6.881	(1.072)	462784	40.0000	40
$	15 4-Methylphenol-d8	113	7.014	7.014	(1.093)	296407	40.0000	37
	16 Acetophenone	105	7.035	7.035	(1.096)	433320	40.0000	37
	17 4-Methylphenol	108	7.055	7.055	(1.099)	328171	40.0000	37

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040my.d
Report Date: 27-May-2009 09:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.076	7.076	(1.102)	254338	40.0000	37
	20 Hexachloroethane	117	7.158	7.158	(1.115)	171043	40.0000	44
$	21 Nitrobenzene-d5	128	7.261	7.261	(0.879)	198031	40.0000	42
	22 Nitrobenzene	77	7.281	7.281	(0.882)	356901	40.0000	41
	23 Isophorone	82	7.620	7.620	(0.923)	714335	40.0000	39
$	24 2-Nitrophenol-d4	143	7.733	7.733	(0.937)	217307	40.0000	42
	25 2-Nitrophenol	139	7.743	7.743	(0.938)	210734	40.0000	41
	26 2,4-Dimethylphenol	107	7.815	7.815	(0.946)	322175	40.0000	40
	27 Bis(2-chloroethoxy)methane	93	7.959	7.959	(0.964)	427351	40.0000	41
$	28 2,4-Dichlorophenol-d3	165	8.072	8.072	(0.978)	311196	40.0000	39
	29 2,4-Dichlorophenol	162	8.082	8.082	(0.979)	284273	40.0000	39
*	30 Naphthalene-d8	136	8.257	8.257	(1.000)	905723	40.0000	
	31 Naphthalene	128	8.288	8.288	(1.004)	1008213	40.0000	41
$	32 4-Chloroaniline-d4	131	8.390	8.390	(1.016)	456114	40.0000	39
	33 4-Chloroaniline	127	8.401	8.401	(1.017)	442337	40.0000	39
	34 Hexachlorobutadiene	225	8.565	8.565	(1.037)	171690	40.0000	41
	35 Caprolactam	113	8.822	8.822	(1.068)	105819	40.0000	37
	36 4-Chloro-3-methylphenol	107	9.099	9.099	(1.102)	262776	40.0000	38
	37 2-Methylnaphthalene	142	9.263	9.263	(1.122)	616296	40.0000	40
	38 1,2,4,5-Tetrachlorobenzene	216	9.561	9.561	(0.891)	285461	40.0000	42
	39 Hexachlorocyclopentadiene	237	9.592	9.592	(0.894)	135235	40.0000	46
	40 2,4,6-Trichlorophenol	196	9.705	9.705	(0.904)	187281	40.0000	40
	41 2,4,5-Trichlorophenol	196	9.756	9.756	(0.909)	186702	40.0000	38
	42 1,1'-Biphenyl	154	9.931	9.931	(0.925)	703438	40.0000	41
	43 2-Chloronaphthalene	162	9.941	9.941	(0.926)	592913	40.0000	41
	44 2-Nitroaniline	65	10.126	10.126	(0.944)	166570	40.0000	42
$	45 Dimethylphthalate-d6	166	10.393	10.393	(0.968)	640635	40.0000	38
	46 Dimethylphthalate	163	10.424	10.424	(0.971)	638537	40.0000	38
$	47 Acenaphthylene-d8	160	10.506	10.506	(0.979)	934771	40.0000	40
	48 Acenaphthylene	152	10.516	10.516	(0.980)	953177	40.0000	40
	49 2,6-Dinitrotoluene	165	10.516	10.516	(0.980)	161902	40.0000	39
	50 3-Nitroaniline	138	10.691	10.691	(0.996)	183406	40.0000	40
*	51 Acenaphthene-d10	164	10.732	10.732	(1.000)	451499	40.0000	
	52 Acenaphthene	153	10.773	10.773	(1.004)	561728	40.0000	39
	53 2,4-Dinitrophenol	184	10.835	10.835	(1.010)	69332	40.0000	37
$	54 4-Nitrophenol-d4	143	10.927	10.927	(1.018)	162061	40.0000	39
	55 4-Nitrophenol	109	10.927	10.927	(1.018)	78166	40.0000	38
	56 Dibenzofuran	168	10.989	10.989	(1.024)	775692	40.0000	39
	57 2,4-Dinitrotoluene	165	11.040	11.040	(1.029)	209619	40.0000	39
	58 2,3,4,6-Tetrachlorophenol	232	11.225	11.225	(1.046)	156126	40.0000	37
	59 Diethylphthalate	149	11.389	11.389	(1.061)	638539	40.0000	38
$	60 Fluorene-d10	176	11.420	11.420	(1.064)	581259	40.0000	41
	61 Fluorene	166	11.461	11.461	(1.068)	640760	40.0000	39
	62 4-Chlorophenyl-phenylether	204	11.461	11.461	(1.068)	303348	40.0000	39
	63 4-Nitroaniline	138	11.523	11.523	(1.074)	182368	40.0000	40
$	64 4,6-Dinitro-2methylphenol-d2	200	11.574	11.574	(0.906)	108262	40.0000	39
	65 4,6-Dinitro-2-methylphenol	198	11.584	11.584	(0.907)	108902	40.0000	41

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040my.d
Report Date: 27-May-2009 09:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.636	11.636	(0.911)	533105	40.0000	41
	67 4-Bromophenyl-phenylether	248	12.119	12.119	(0.949)	184082	40.0000	42
	68 Hexachlorobenzene	284	12.314	12.314	(0.964)	191304	40.0000	39
	69 Atrazine	200	12.396	12.396	(0.970)	146329	40.0000	40
	70 Pentachlorophenol	266	12.550	12.550	(0.982)	106123	40.0000	37
*	71 Phenanthrene-d10	188	12.714	12.714	(1.000)	712048	40.0000	(H)
	72 Phenanthrene	178	12.745	12.745	(0.998)	858385	40.0000	40 (H)
$	73 Anthracene-d10	188	12.776	12.776	(1.000)	824346	40.0000	40
	74 Anthracene	178	12.807	12.807	(1.002)	864530	40.0000	40
	75 Carbazole	167	13.022	13.022	(1.019)	820371	40.0000	40
	76 Di-n-butylphthalate	149	13.577	13.577	(1.063)	1087531	40.0000	40
	77 Fluoranthene	202	14.347	14.347	(1.123)	820008	40.0000	40
$	78 Pyrene-d10	212	14.614	14.614	(0.898)	684813	40.0000	39
	79 Pyrene	202	14.645	14.645	(0.900)	877355	40.0000	40
	80 Butylbenzylphthalate	149	15.569	15.569	(0.957)	454633	40.0000	41
	81 3,3'-Dichlorobenzidine	252	16.227	16.227	(0.997)	270315	40.0000	42
	82 Benzo(a)anthracene	228	16.247	16.247	(0.999)	767712	40.0000	42
*	83 Chrysene-d12	240	16.268	16.268	(1.000)	630625	40.0000	
	84 Chrysene	228	16.299	16.299	(1.002)	693230	40.0000	40
	85 Bis(2-ethylhexyl)phthalate	149	16.360	16.360	(1.006)	582352	40.0000	40
	86 Di-n-octylphthalate	149	17.130	17.130	(0.948)	1018453	40.0000	40
	87 Benzo(b)fluoranthene	252	17.603	17.603	(0.974)	692457	40.0000	40
	88 Benzo(k)fluoranthene	252	17.634	17.634	(0.976)	897159	40.0000	41
$	89 Benzo(a)pyrene-d12	264	17.962	17.962	(0.994)	597128	40.0000	41
	90 Benzo(a)pyrene	252	17.993	17.993	(0.996)	688560	40.0000	41
*	91 Perylene-d12	264	18.065	18.065	(1.000)	593576	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	19.534	19.534	(1.081)	816990	40.0000	41
	93 Dibenzo(a,h)anthracene	278	19.544	19.544	(1.082)	676464	40.0000	41
	94 Benzo(g,h,i)perylene	276	19.945	19.945	(1.104)	709015	40.0000	40

QC Flag Legend

H - Operator selected an alternate compound hit.

7E - FORM VII SV-1
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 1610

Lab File ID: RFV040MZ Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MZ Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Benzaldehyde	0.997	1.066	0.010	6.9	50.0	
Phenol	1.964	1.952	0.010	-0.6	50.0	
Bis(2-chloroethyl)ether	1.499	1.507	0.010	0.6	50.0	
2-Chlorophenol	1.509	1.545	0.010	2.4	50.0	
2-Methylphenol	1.284	1.234	0.010	-3.9	50.0	
2,2'-Oxybis(1-chloropropane)	1.761	1.788	0.010	1.5	50.0	
Acetophenone	1.782	1.730	0.010	-2.9	50.0	
4-Methylphenol	1.369	1.309	0.010	-4.3	50.0	
N-Nitroso-di-n-propylamine	1.045	1.004	0.010	-3.9	50.0	
Hexachloroethane	0.600	0.594	0.010	-0.9	50.0	
Nitrobenzene	0.386	0.402	0.010	4.1	50.0	
Isophorone	0.809	0.779	0.010	-3.7	50.0	
2-Nitrophenol	0.229	0.210	0.010	-8.1	50.0	
2,4-Dimethylphenol	0.358	0.349	0.010	-2.6	50.0	
Bis(2-chloroethoxy)methane	0.460	0.465	0.010	1.1	50.0	
2,4-Dichlorophenol	0.318	0.317	0.010	-0.4	50.0	
Naphthalene	1.091	1.060	0.010	-2.8	50.0	
4-Chloroaniline	0.503	0.482	0.010	-4.3	50.0	
Hexachlorobutadiene	0.184	0.193	0.010	5.0	50.0	
Caprolactam	0.126	0.127	0.010	0.9	50.0	
4-Chloro-3-methylphenol	0.307	0.282	0.010	-8.2	50.0	
2-Methylnaphthalene	0.686	0.660	0.010	-3.8	50.0	
Hexachlorocyclopentadiene	0.261	0.081	0.010	-68.8	50.0	<-
2,4,6-Trichlorophenol	0.416	0.426	0.010	2.5	50.0	
2,4,5-Trichlorophenol	0.434	0.420	0.010	-3.3	50.0	
1,1'-Biphenyl	1.503	1.568	0.010	4.4	50.0	
2-Chloronaphthalene	1.291	1.341	0.010	3.9	50.0	
2-Nitroaniline	0.352	0.383	0.010	8.8	50.0	
Dimethylphthalate	1.470	1.453	0.010	-1.1	50.0	
2,6-Dinitrotoluene	0.364	0.366	0.010	0.5	50.0	
Acenaphthylene	2.094	2.132	0.010	1.8	50.0	
3-Nitroaniline	0.410	0.424	0.010	3.5	50.0	
Acenaphthene	1.266	1.249	0.010	-1.3	50.0	

SOM01.2

7F - FORM VII SV-2
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 1610

Lab File ID: RFV040MZ Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MZ Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
2,4-Dinitrophenol	0.168	0.016	0.010	-90.6	50.0	<-
4-Nitrophenol	0.183	0.190	0.010	4.2	50.0	
Dibenzofuran	1.764	1.759	0.010	-0.3	50.0	
2,4-Dinitrotoluene	0.475	0.466	0.010	-1.8	50.0	
Diethylphthalate	1.499	1.499	0.010	-0.0	50.0	
Fluorene	1.464	1.426	0.010	-2.6	50.0	
4-Chlorophenyl-phenylether	0.682	0.681	0.010	-0.2	50.0	
4-Nitroaniline	0.401	0.441	0.010	9.9	50.0	
4,6-Dinitro-2-methylphenol	0.151	0.023	0.010	-84.7	50.0	<-
N-Nitrosodiphenylamine (1)	0.734	0.732	0.010	-0.2	50.0	
1,2,4,5-Tetrachlorobenzene	0.604	0.643	0.010	6.5	50.0	
4-Bromophenyl-phenylether	0.247	0.246	0.010	-0.6	50.0	
Hexachlorobenzene	0.278	0.265	0.010	-4.9	50.0	
Atrazine	0.207	0.209	0.010	1.2	50.0	
Pentachlorophenol	0.162	0.165	0.010	1.7	50.0	
Phenanthrene	1.199	1.187	0.010	-1.1	50.0	
Anthracene	1.203	1.166	0.010	-3.1	50.0	
Carbazole	1.156	1.169	0.010	1.1	50.0	
Di-n-butylphthalate	1.538	1.544	0.010	0.4	50.0	
Fluoranthene	1.157	1.215	0.010	5.0	50.0	
Pyrene	1.402	1.118	0.010	-20.2	50.0	
Butylbenzylphthalate	0.705	0.635	0.010	-10.0	50.0	
3,3'-Dichlorobenzidine	0.412	0.403	0.010	-2.1	50.0	
Benzo(a)anthracene	1.159	1.194	0.010	3.0	50.0	
Chrysene	1.088	1.092	0.010	0.4	50.0	
Bis(2-ethylhexyl)phthalate	0.934	0.921	0.010	-1.4	50.0	
Di-n-octylphthalate	1.711	2.781	0.010	62.6	50.0	<-
Benzo(b)fluoranthene	1.169	1.493	0.010	27.7	50.0	
Benzo(k)fluoranthene	1.481	1.743	0.010	17.7	50.0	
Benzo(a)pyrene	1.141	1.206	0.010	5.7	50.0	
Indeno(1,2,3-cd)pyrene	1.350	0.718	0.010	-46.8	50.0	
Dibenzo(a,h)anthracene	1.119	0.629	0.010	-43.8	50.0	
Benzo(g,h,i)perylene	1.188	0.513	0.010	-56.8	50.0	<-
2,3,4,6-Tetrachlorophenol	0.374	0.360	0.010	-3.5	50.0	

(1) Cannot be separated from Diphenylamine

SOM01.2

7G - FORM VII SV-3
SEMIVOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Instrument ID: R.i Calibration Date: 05/26/2009 Time: 1610

Lab File ID: RFV040MZ Init. Calib. Date(s): 05/20/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MZ Init. Calib. Time(s): 1237 1458

GC Column: Rxi-5ms ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D	
Phenol-d5	0.587	0.587	0.010	-0.1	50.0	
Bis(2-chloroethyl)ether-d8	1.225	1.260	0.010	2.8	50.0	
2-Chlorophenol-d4	1.556	1.605	0.010	3.2	50.0	
4-Methylphenol-d8	1.223	1.168	0.010	-4.6	50.0	
Nitrobenzene-d5	0.207	0.216	0.010	4.3	50.0	
2-Nitrophenol-d4	0.226	0.214	0.010	-5.5	50.0	
2,4-Dichlorophenol-d3	0.350	0.353	0.010	0.7	50.0	
4-Chloroaniline-d4	0.511	0.496	0.010	-2.9	50.0	
Dimethylphthalate-d6	1.476	1.497	0.010	1.4	50.0	
Acenaphthylene-d8	2.082	2.112	0.010	1.4	50.0	
4-Nitrophenol-d4	0.372	0.391	0.010	4.9	50.0	
Fluorene-d10	1.265	1.190	0.010	-5.9	50.0	
4,6-Dinitro-2methylphenol-d2	0.156	0.024	0.010	-84.7	50.0	<-
Anthracene-d10	1.168	1.136	0.010	-2.8	50.0	
Pyrene-d10	1.114	0.889	0.010	-20.2	50.0	
Benzo(a)pyrene-d12	0.970	1.109	0.010	14.3	50.0	

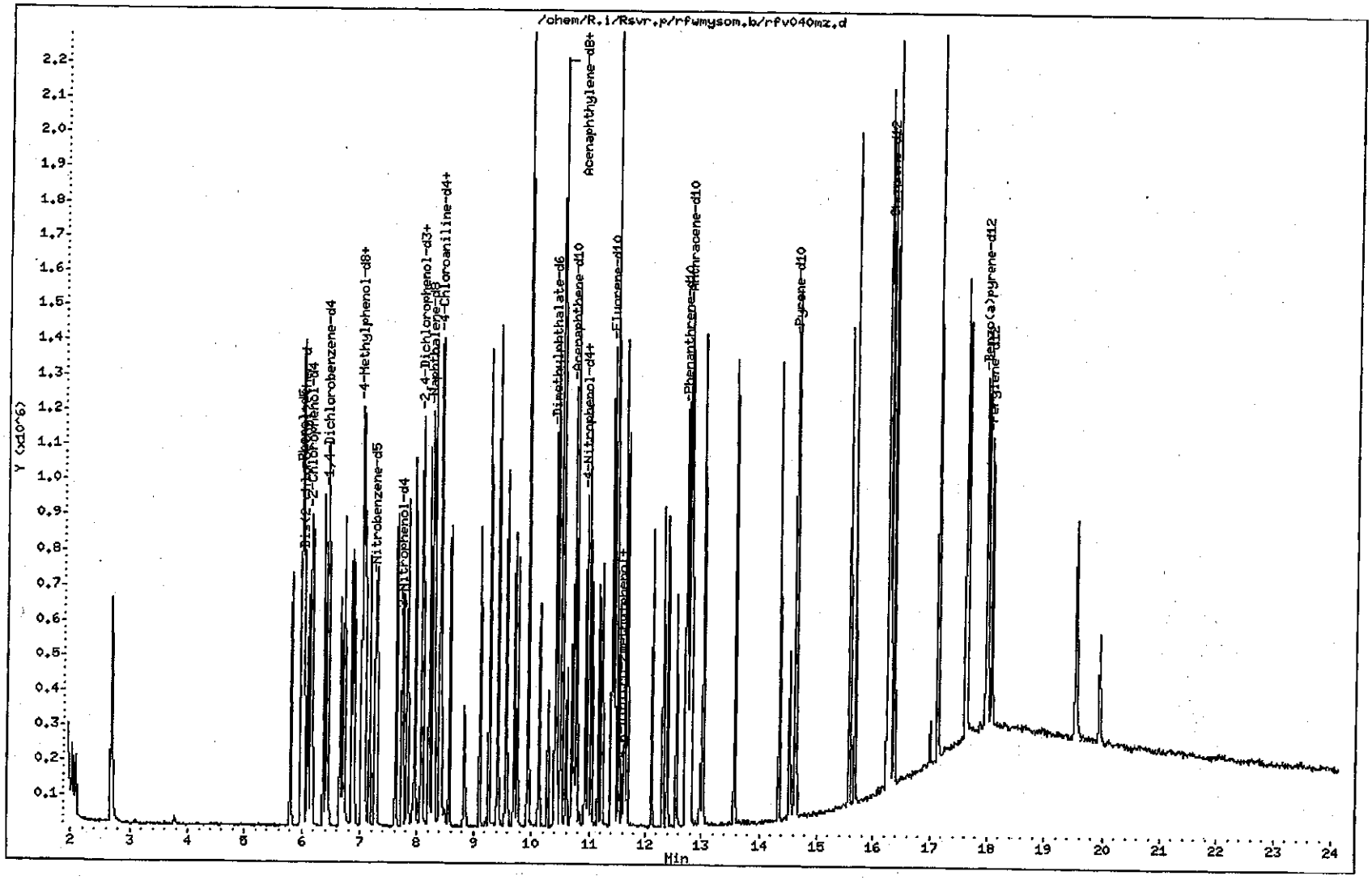
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040mz.d
Date : 26-MAY-2009 16:10
Client ID: SSTD020MZ
Sample Info: SSTD020MZ
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040mz.d
Report Date: 27-May-2009 09:05

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/rfv040mz.d
Lab Smp Id: SSTD020MZ Client Smp ID: SSTD020MZ
Inj Date : 26-MAY-2009 16:10
Operator : djb Inst ID: R.i
Smp Info : SSTD020MZ
Misc Info : SSTD020MZ
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fRFWf7.m
Meth Date : 27-May-2009 09:05 je Quant Type: ISTD
Cal Date : 20-MAY-2009 14:58 Cal File: rfw010.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	5.806	5.806	(0.904)	236891	40.0000	43
$ 5 Phenol-d5	71	5.980	5.980	(0.931)	130394	40.0000	40
6 Phenol	94	5.990	5.990	(0.933)	433936	40.0000	40
$ 7 Bis(2-chloroethyl)ether-d8	67	6.021	6.021	(0.938)	280051	40.0000	41
8 Bis(2-chloroethyl)ether	93	6.093	6.093	(0.949)	335068	40.0000	40
$ 9 2-Chlorophenol-d4	132	6.144	6.144	(0.957)	356712	40.0000	41
10 2-Chlorophenol	128	6.165	6.165	(0.960)	343365	40.0000	41
* 11 1,4-Dichlorobenzene-d4	152	6.422	6.422	(1.000)	222275	40.0000	
13 2-Methylphenol	108	6.853	6.853	(1.067)	274340	40.0000	38
14 2,2'-Oxybis(1-chloropropane)	45	6.884	6.884	(1.072)	397519	40.0000	41
$ 15 4-Methylphenol-d8	113	7.017	7.017	(1.093)	259553	40.0000	38
16 Acetophenone	105	7.038	7.038	(1.096)	384472	40.0000	39
17 4-Methylphenol	108	7.059	7.059	(1.099)	291048	40.0000	38

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040mz.d
Report Date: 27-May-2009 09:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.079	7.079	(1.102)	223133	40.0000	38
	20 Hexachloroethane	117	7.161	7.161	(1.115)	132103	40.0000	40
$	21 Nitrobenzene-d5	128	7.254	7.254	(0.878)	173784	40.0000	42
	22 Nitrobenzene	77	7.284	7.284	(0.882)	323585	40.0000	42
	23 Isophorone	82	7.623	7.623	(0.923)	627698	40.0000	39
$	24 2-Nitrophenol-d4	143	7.726	7.726	(0.935)	172161	40.0000	38
	25 2-Nitrophenol	139	7.747	7.747	(0.938)	169481	40.0000	37
	26 2,4-Dimethylphenol	107	7.819	7.819	(0.947)	280966	40.0000	39
	27 Bis(2-chloroethoxy)methane	93	7.952	7.952	(0.963)	374910	40.0000	40
$	28 2,4-Dichlorophenol-d3	165	8.065	8.065	(0.976)	284186	40.0000	40
	29 2,4-Dichlorophenol	162	8.086	8.086	(0.979)	255461	40.0000	40
*	30 Naphthalene-d8	136	8.260	8.260	(1.000)	805508	40.0000	
	31 Naphthalene	128	8.291	8.291	(1.004)	854021	40.0000	39
$	32 4-Chloroaniline-d4	131	8.394	8.394	(1.016)	399855	40.0000	39
	33 4-Chloroaniline	127	8.404	8.404	(1.017)	387962	40.0000	38
	34 Hexachlorobutadiene	225	8.568	8.568	(1.037)	155637	40.0000	42
	35 Caprolactam	113	8.825	8.825	(1.068)	102042	40.0000	40
	36 4-Chloro-3-methylphenol	107	9.102	9.102	(1.102)	226927	40.0000	37
	37 2-Methylnaphthalene	142	9.267	9.267	(1.122)	531633	40.0000	38
	38 1,2,4,5-Tetrachlorobenzene	216	9.565	9.565	(0.891)	250246	40.0000	43
	39 Hexachlorocyclopentadiene	237	9.595	9.595	(0.894)	31647	40.0000	12
	40 2,4,6-Trichlorophenol	196	9.708	9.708	(0.904)	165972	40.0000	41
	41 2,4,5-Trichlorophenol	196	9.760	9.760	(0.909)	163369	40.0000	39
	42 1,1'-Biphenyl	154	9.934	9.934	(0.925)	610470	40.0000	42
	43 2-Chloronaphthalene	162	9.945	9.945	(0.926)	522026	40.0000	42
	44 2-Nitroaniline	65	10.129	10.129	(0.944)	149155	40.0000	44
$	45 Dimethylphthalate-d6	166	10.396	10.396	(0.968)	582750	40.0000	41
	46 Dimethylphthalate	163	10.427	10.427	(0.971)	565721	40.0000	40
$	47 Acenaphthylene-d8	160	10.499	10.499	(0.978)	822154	40.0000	41
	48 Acenaphthylene	152	10.520	10.520	(0.980)	829985	40.0000	41
	49 2,6-Dinitrotoluene	165	10.520	10.520	(0.980)	142426	40.0000	40
	50 3-Nitroaniline	138	10.694	10.694	(0.996)	164924	40.0000	41
*	51 Acenaphthene-d10	164	10.735	10.735	(1.000)	389292	40.0000	
	52 Acenaphthene	153	10.776	10.776	(1.004)	486233	40.0000	39
	53 2,4-Dinitrophenol	184	10.838	10.838	(1.010)	6117	40.0000	3.7(aQ)
$	54 4-Nitrophenol-d4	143	10.930	10.930	(1.018)	152031	40.0000	42
	55 4-Nitrophenol	109	10.941	10.941	(1.019)	74109	40.0000	42
	56 Dibenzofuran	168	10.992	10.992	(1.024)	684773	40.0000	40
	57 2,4-Dinitrotoluene	165	11.043	11.043	(1.029)	181521	40.0000	39
	58 2,3,4,6-Tetrachlorophenol	232	11.228	11.228	(1.046)	140335	40.0000	39
	59 Diethylphthalate	149	11.393	11.393	(1.061)	583509	40.0000	40
$	60 Fluorene-d10	176	11.423	11.423	(1.064)	463365	40.0000	38
	61 Fluorene	166	11.454	11.454	(1.067)	555012	40.0000	39
	62 4-Chlorophenyl-phenylether	204	11.465	11.465	(1.068)	265012	40.0000	40
	63 4-Nitroaniline	138	11.526	11.526	(1.074)	171827	40.0000	44
$	64 4,6-Dinitro-2methylphenol-d2	200	11.578	11.578	(0.910)	15368	40.0000	6.1(aQ)
	65 4,6-Dinitro-2-methylphenol	198	11.588	11.588	(0.911)	14854	40.0000	6.1(aQ)

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfv040mz.d
Report Date: 27-May-2009 09:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
66 N-Nitrosodiphenylamine	169	11.629	11.629	(0.914)	471197	40.0000	40
67 4-Bromophenyl-phenylether	248	12.122	12.122	(0.953)	158327	40.0000	40
68 Hexachlorobenzene	284	12.317	12.317	(0.968)	170287	40.0000	38
69 Atrazine	200	12.399	12.399	(0.975)	134754	40.0000	40
70 Pentachlorophenol	266	12.553	12.553	(0.987)	105927	40.0000	41
* 71 Phenanthrene-d10	188	12.718	12.718	(1.000)	643491	40.0000	
72 Phenanthrene	178	12.748	12.748	(1.002)	763713	40.0000	40
$ 73 Anthracene-d10	188	12.779	12.779	(1.005)	731036	40.0000	39
74 Anthracene	178	12.810	12.810	(1.007)	750427	40.0000	39
75 Carbazole	167	13.026	13.026	(1.024)	752220	40.0000	40
76 Di-n-butylphthalate	149	13.570	13.570	(1.067)	993711	40.0000	40
77 Fluoranthene	202	14.340	14.340	(1.128)	781744	40.0000	42
$ 78 Pyrene-d10	212	14.618	14.618	(0.898)	676104	40.0000	32
79 Pyrene	202	14.648	14.648	(0.900)	850482	40.0000	32
80 Butylbenzylphthalate	149	15.562	15.562	(0.956)	483048	40.0000	36
81 3,3'-Dichlorobenzidine	252	16.230	16.230	(0.997)	306417	40.0000	39
82 Benzo(a)anthracene	228	16.251	16.251	(0.999)	907978	40.0000	41
* 83 Chrysene-d12	240	16.271	16.271	(1.000)	760578	40.0000	
84 Chrysene	228	16.302	16.302	(1.002)	830237	40.0000	40
85 Bis(2-ethylhexyl)phthalate	149	16.364	16.364	(1.006)	700286	40.0000	39
86 Di-n-octylphthalate	149	17.134	17.134	(0.949)	1265396	40.0000	65
87 Benzo(b)fluoranthene	252	17.606	17.606	(0.975)	679263	40.0000	51
88 Benzo(k)fluoranthene	252	17.637	17.637	(0.977)	793319	40.0000	47
$ 89 Benzo(a)pyrene-d12	264	17.966	17.966	(0.995)	504722	40.0000	46
90 Benzo(a)pyrene	252	17.997	17.997	(0.997)	548629	40.0000	42
* 91 Perylene-d12	264	18.058	18.058	(1.000)	455036	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	19.527	19.527	(1.081)	326567	40.0000	21
93 Dibenzo(a,h)anthracene	278	19.537	19.537	(1.082)	286221	40.0000	22
94 Benzo(g,h,i)perylene	276	19.938	19.938	(1.104)	233406	40.0000	17

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Raw QC Data – SOM01.2 Semivolatile

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfvb7ps.d

Page 2

Date : 20-MAY-2009 10:10

Client ID: DFTPPB7

Instrument: R.i

Sample Info: DFTPPB7

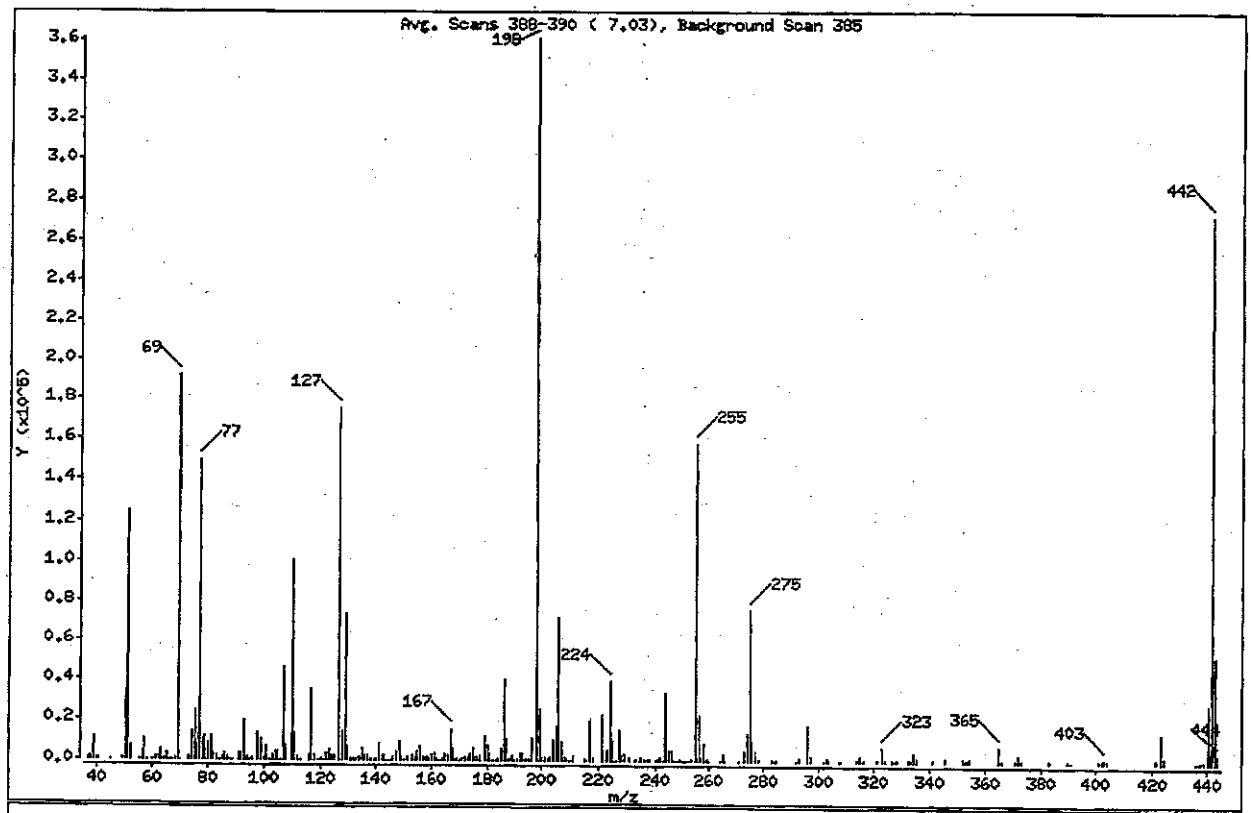
Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	34.49
68	Less than 2.00% of mass 69	0.19 (0.36)
69	Mass 69 relative abundance	53.33
70	Less than 2.00% of mass 69	0.05 (0.09)
127	10.00 - 80.00% of mass 198	48.56
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 60.00% of mass 198	20.87
365	Greater than 1.00% of mass 198	2.15
441	Present, but less than mass 443	7.84
442	50.00 - 100.00% of mass 198	75.57
443	15.00 - 24.00% of mass 442	14.56 (19.27)

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfvb7ps.d

Date : 20-MAY-2009 10:10

Client ID: DFTPPB7

Instrument: R.i

Sample Info: DFTPPB7

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvb7ps.d
Spectrum: Avg. Scans 388-390 (7.03), Background Scan 385
Location of Maximum: 198.00
Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	671	118.00	2491	186.00	39744	265.00	3164
38.00	1679	119.00	259	187.00	10855	266.00	286
39.00	11128	120.00	449	188.00	998	271.00	303
40.00	501	121.00	268	189.00	2504	273.00	4765
41.00	643	122.00	3255	190.00	319	274.00	13495
45.00	210	123.00	4864	191.00	1088	275.00	75232
49.00	448	124.00	2545	192.00	3321	276.00	9651
50.00	33960	125.00	2263	193.00	3341	277.00	4986
51.00	124352	127.00	175040	194.00	682	278.00	882
52.00	6260	128.00	14195	195.00	642	283.00	569
55.00	390	129.00	73368	196.00	10708	284.00	394
56.00	4215	130.00	6286	198.00	360512	285.00	971
57.00	9815	131.00	895	199.00	25080	292.00	193
58.00	247	132.00	473	200.00	1672	293.00	1373
60.00	184	133.00	482	201.00	1904	296.00	17056
61.00	1713	134.00	1583	202.00	614	297.00	2465
62.00	2028	135.00	5734	203.00	1386	302.00	299
63.00	5272	136.00	2192	204.00	10187	303.00	1890
64.00	830	137.00	2546	205.00	16384	304.00	570
65.00	2920	138.00	459	206.00	71184	308.00	169
66.00	229	139.00	332	207.00	9522	314.00	913
67.00	182	140.00	919	208.00	2070	315.00	2430
68.00	684	141.00	8658	209.00	696	316.00	522
69.00	192256	142.00	2510	210.00	272	321.00	598
70.00	171	143.00	2322	211.00	2701	323.00	6325
73.00	1316	144.00	362	215.00	669	324.00	1083
74.00	13869	145.00	312	216.00	216	326.00	474
75.00	24328	146.00	1449	217.00	18840	327.00	386
76.00	7081	147.00	4096	218.00	2041	328.00	493
77.00	149312	148.00	9103	221.00	22128	332.00	443
78.00	10051	149.00	1673	223.00	4656	333.00	518
79.00	11415	150.00	305	224.00	39064	334.00	3953
80.00	8109	151.00	1888	225.00	9769	335.00	1289
81.00	11497	153.00	2619	226.00	181	341.00	720
82.00	2927	154.00	1575	227.00	15189	345.00	1338

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfvb7ps.d

Page 4

Date : 20-MAY-2009 10:10

Client ID: DFTPPB7

Instrument: R.i

Sample Info: DFTPPB7

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvb7ps.d

Spectrum: Avg. Scans 388-390 (7.03), Background Scan 385

Location of Maximum: 198.00

Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	2650	155.00	4418	228.00	2086	352.00	1770
84.00	167	156.00	6337	229.00	3468	353.00	1164
85.00	1748	157.00	1294	231.00	1422	354.00	1930
86.00	3285	158.00	1523	233.00	790	365.00	7764
87.00	1489	159.00	1130	234.00	373	366.00	1023
88.00	304	160.00	2255	235.00	1280	371.00	772
89.00	197	161.00	3712	236.00	522	372.00	3306
91.00	3029	162.00	794	237.00	1014	373.00	857
92.00	3160	163.00	219	238.00	556	383.00	787
93.00	18888	164.00	549	240.00	214	390.00	441
94.00	1338	165.00	3159	241.00	1023	391.00	392
95.00	219	166.00	2576	242.00	1764	401.00	601
96.00	701	167.00	15163	243.00	277	402.00	852
98.00	13035	168.00	6024	244.00	33136	403.00	2028
99.00	10246	169.00	1043	245.00	4733	404.00	634
100.00	1083	170.00	362	246.00	5286	421.00	1735
101.00	6350	171.00	823	247.00	1037	423.00	13914
102.00	303	172.00	1262	248.00	228	424.00	2536
103.00	2350	173.00	1709	249.00	1065	436.00	202
104.00	4117	174.00	3330	250.00	201	437.00	297
105.00	3877	175.00	5437	251.00	222	438.00	620
106.00	314	176.00	1935	252.00	274	439.00	656
107.00	45384	177.00	2825	253.00	944	441.00	28264
108.00	7469	179.00	11950	255.00	157888	442.00	272448
110.00	100120	180.00	7383	256.00	22496	443.00	52496
111.00	13705	181.00	3533	257.00	2004	444.00	4520
112.00	1469	182.00	414	258.00	8337		
113.00	299	183.00	245	259.00	656		
116.00	2772	184.00	878	260.00	203		
117.00	35040	185.00	5540	264.00	197		

Data File: /chem/R.i/Rsvr.p/rfvmhsom.b/rfvb7ps.d

Page 1

Date : 20-MAY-2009 10:10

Client ID: DFTPPB7

Instrument: R.i

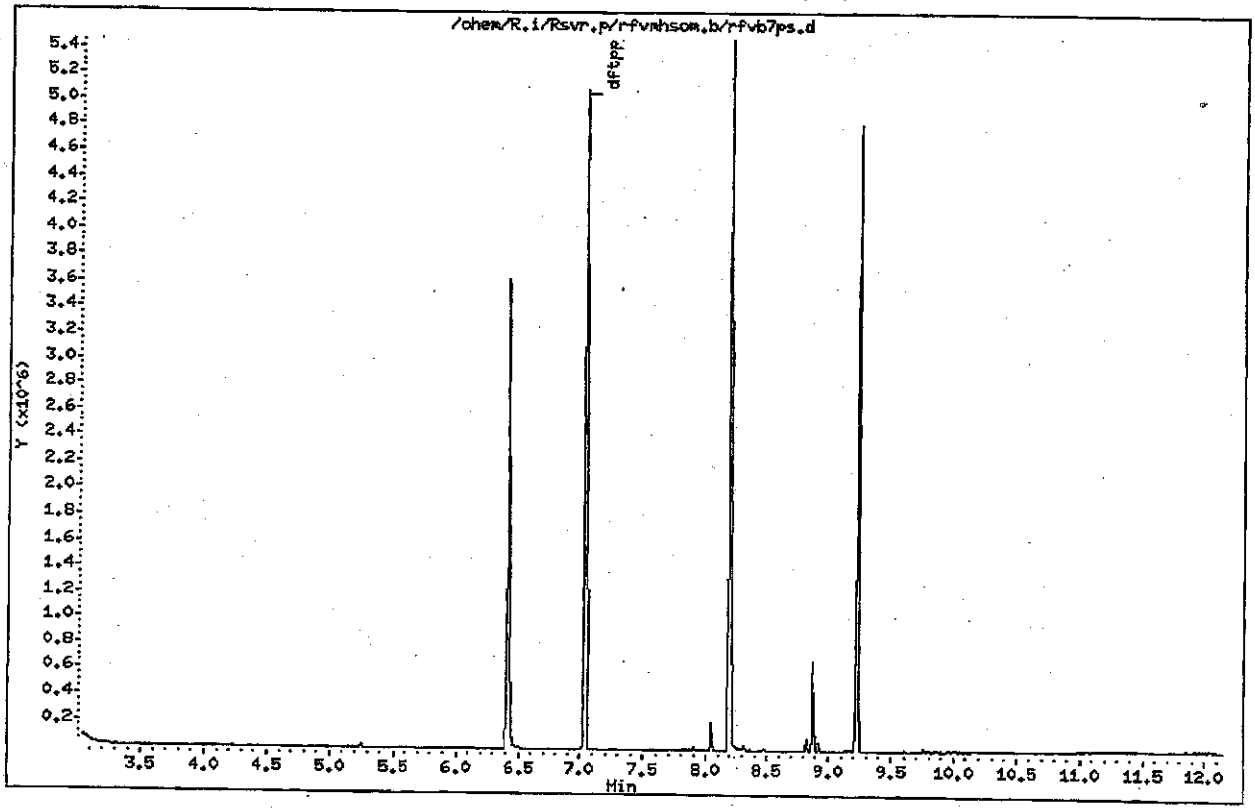
Sample Info: DFTPPB7

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfvb8ps.d

Page 2

Date : 21-MAY-2009 04:13

Client ID: DFTPPB8

Instrument: R.i

Sample Info: DFTPPB8

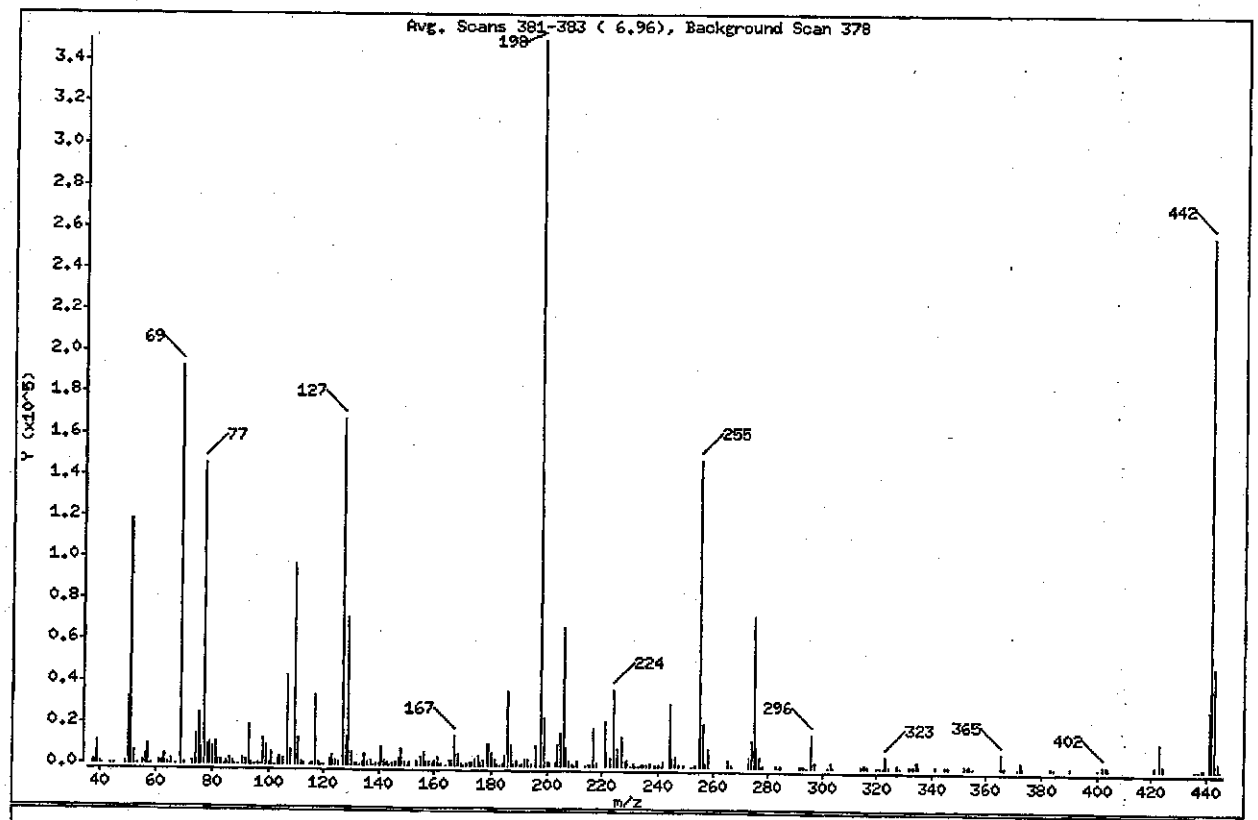
Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	33.78
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	55.00
70	Less than 2.00% of mass 69	0.19 (0.34)
127	10.00 - 80.00% of mass 198	47.90
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 60.00% of mass 198	20.83
365	Greater than 1.00% of mass 198	2.02
441	Present, but less than mass 443	8.34
442	50.00 - 100.00% of mass 198	73.58
443	15.00 - 24.00% of mass 442	14.20 (19.29)

Data File: /chem/R.i/Rsvr.p/rfumksom.b/rfvb8ps.d

Page 3

Date : 21-MAY-2009 04:13

Client ID: DFTPPB8

Instrument: R.i

Sample Info: DFTPPB8

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvb8ps.d
Spectrum: Avg. Scans 381-383 (6.96), Background Scan 378
Location of Maximum: 198.00
Number of points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	509	116.00	1131	184.00	794	274.00	12918
38.00	1768	117.00	33600	185.00	5150	275.00	72784
39.00	11089	118.00	2010	186.00	36536	276.00	9424
40.00	672	119.00	218	187.00	10123	277.00	4941
41.00	311	120.00	354	188.00	1056	278.00	726
44.00	114	122.00	3117	189.00	2405	283.00	566
45.00	257	123.00	4613	190.00	222	284.00	402
49.00	961	124.00	2071	191.00	1011	285.00	957
50.00	32096	125.00	1953	192.00	2973	292.00	776
51.00	118024	127.00	167296	193.00	3377	293.00	549
52.00	6429	128.00	13628	194.00	801	294.00	215
53.00	196	129.00	70744	196.00	9846	296.00	15965
55.00	1235	130.00	6218	198.00	349376	297.00	2219
56.00	4484	131.00	1045	199.00	23696	302.00	187
57.00	9380	132.00	416	200.00	1626	303.00	2067
58.00	374	133.00	230	201.00	1759	304.00	353
61.00	1394	134.00	1860	203.00	1806	314.00	719
62.00	1771	135.00	5365	204.00	10176	315.00	1515
63.00	4921	136.00	1817	205.00	16384	316.00	848
64.00	423	137.00	2545	206.00	66856	320.00	208
65.00	2440	138.00	179	207.00	8787	321.00	397
67.00	225	139.00	462	208.00	2086	322.00	273
69.00	192128	140.00	537	209.00	600	323.00	5942
70.00	652	141.00	8494	210.00	220	324.00	1175
73.00	1476	142.00	2708	211.00	2646	327.00	1398
74.00	14090	143.00	1894	214.00	239	328.00	218
75.00	24592	144.00	333	215.00	430	332.00	441
76.00	7963	145.00	581	216.00	434	333.00	426
77.00	145920	146.00	1381	217.00	18792	334.00	3351
78.00	9650	147.00	3447	218.00	1904	335.00	836
79.00	10460	148.00	8418	221.00	21392	341.00	703
80.00	8522	149.00	1799	223.00	4262	345.00	404
81.00	11657	150.00	208	224.00	36784	346.00	623
82.00	2771	151.00	1363	225.00	8998	352.00	1698
83.00	2531	153.00	2318	227.00	14553	353.00	1107

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfvb8ps.d

Page 4

Date : 21-MAY-2009 04:13

Client ID: DFTPPB8

Instrument: R.i

Sample Info: DFTPPB8

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvb8ps.d
Spectrum: Avg. Scans 381-383 (6.96), Background Scan 378
Location of Maximum: 198.00
Number of points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	215	154.00	1594	228.00	2269	354.00	1701
85.00	1954	155.00	4094	229.00	3034	355.00	263
86.00	3236	156.00	6041	230.00	248	365.00	7056
87.00	1501	157.00	1421	231.00	1251	366.00	1111
88.00	262	158.00	1222	232.00	175	371.00	381
89.00	186	159.00	745	233.00	312	372.00	3138
91.00	2842	160.00	2362	234.00	991	373.00	587
92.00	2793	161.00	3756	235.00	410	383.00	917
93.00	19112	162.00	857	236.00	675	384.00	260
94.00	1146	164.00	251	237.00	1241	390.00	407
95.00	209	165.00	2691	239.00	563	400.00	176
96.00	754	166.00	2389	240.00	716	402.00	1845
97.00	172	167.00	14630	241.00	313	403.00	1652
98.00	12568	168.00	5792	242.00	2054	404.00	453
99.00	9598	169.00	951	244.00	30976	421.00	1723
100.00	840	170.00	318	245.00	4297	423.00	12564
101.00	6390	171.00	722	246.00	5111	424.00	2727
102.00	246	172.00	1294	247.00	815	436.00	231
103.00	2373	173.00	1405	249.00	993	437.00	356
104.00	3664	174.00	3214	252.00	191	438.00	604
105.00	3452	175.00	5201	253.00	829	439.00	513
107.00	43264	176.00	1995	255.00	148032	441.00	29152
108.00	7257	177.00	2438	256.00	21272	442.00	257024
110.00	96552	179.00	10713	257.00	1426	443.00	49600
111.00	13209	180.00	6593	258.00	8508	444.00	4408
112.00	1673	181.00	3464	265.00	3016	445.00	232
113.00	508	182.00	560	266.00	649		
115.00	224	183.00	190	273.00	4991		

Data File: /chem/R.i/Rsvr.p/rfwmksom.b/rfvb8ps.d

Page 1

Date : 21-MAY-2009 04:13

Client ID: DFTPPB8

Instrument: R.i

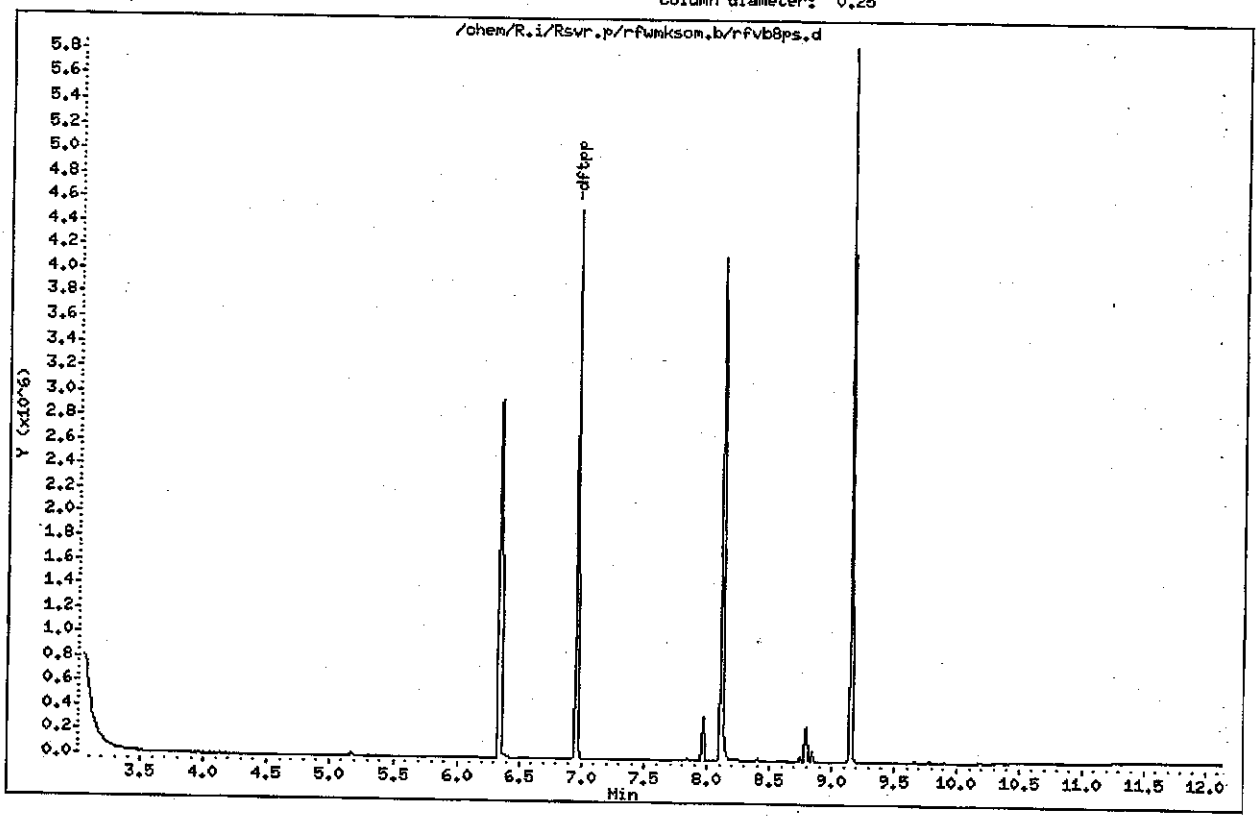
Sample Info: DFTPPB8

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfvc1ps.d

Page 2

Date : 22-MAY-2009 05:14

Client ID: DFTPPC1

Instrument: R.i

Sample Info: DFTPPC1

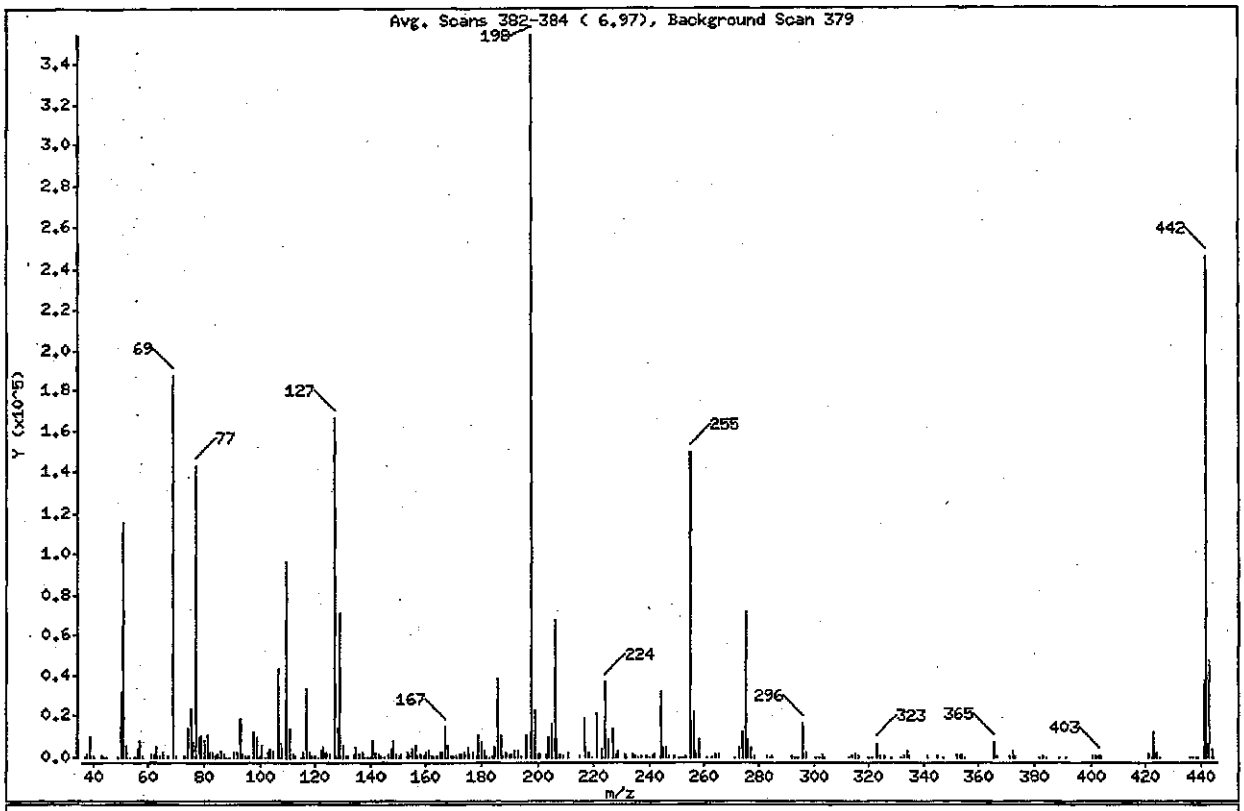
Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.71
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	53.03
70	Less than 2.00% of mass 69	0.22 (0.41)
127	10.00 - 80.00% of mass 198	47.00
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 60.00% of mass 198	20.17
365	Greater than 1.00% of mass 198	2.03
441	Present, but less than mass 443	10.62
442	50.00 - 100.00% of mass 198	69.32
443	15.00 - 24.00% of mass 442	13.32 (19.21)

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfvc1ps.d

Page 3

Date : 22-MAY-2009 05:14

Client ID: DFTPPC1

Instrument: R.i

Sample Info: DFTPPC1

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvc1ps.d
Spectrum: Avg. Scans 382-384 (6.97), Background Scan 379
Location of Maximum: 198.00
Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	364	119.00	417	187.00	10669	283.00	423
38.00	1654	120.00	578	188.00	1080	284.00	220
39.00	9667	121.00	396	189.00	2326	285.00	825
40.00	767	122.00	3088	190.00	536	292.00	729
43.00	580	123.00	5002	191.00	1359	293.00	344
44.00	322	124.00	2094	192.00	2962	294.00	197
45.00	354	125.00	1835	193.00	3041	296.00	15903
49.00	371	127.00	166336	194.00	868	297.00	2356
50.00	31536	128.00	13921	196.00	10266	301.00	190
51.00	115784	129.00	70784	198.00	353920	302.00	277
52.00	5868	130.00	5621	199.00	22808	303.00	1811
53.00	198	131.00	1079	200.00	1629	304.00	275
55.00	361	132.00	622	201.00	1947	313.00	190
56.00	4377	134.00	1613	203.00	1928	314.00	826
57.00	8140	135.00	4755	204.00	9399	315.00	1544
58.00	443	136.00	1699	205.00	16262	316.00	627
61.00	1539	137.00	2331	206.00	67680	320.00	171
62.00	1707	138.00	327	207.00	9170	321.00	325
63.00	4618	139.00	180	208.00	1991	323.00	6330
64.00	725	140.00	354	209.00	674	324.00	728
65.00	2492	141.00	8092	211.00	2826	326.00	907
67.00	821	142.00	2441	215.00	732	328.00	396
69.00	187648	143.00	1662	217.00	18776	332.00	253
70.00	776	144.00	481	218.00	2130	333.00	412
73.00	939	145.00	190	219.00	193	334.00	3413
74.00	13737	146.00	1485	221.00	21376	335.00	752
75.00	23984	147.00	3853	223.00	3968	341.00	414
76.00	7154	148.00	8190	224.00	36816	345.00	1017
77.00	142912	149.00	1606	225.00	8748	347.00	190
78.00	9397	150.00	593	227.00	14114	352.00	2011
79.00	10918	151.00	1900	228.00	1922	353.00	962
80.00	7760	153.00	2561	229.00	3199	354.00	1680
81.00	10995	154.00	1852	231.00	1423	355.00	233
82.00	2632	155.00	3948	232.00	189	365.00	7188
83.00	2280	156.00	5729	234.00	1292	366.00	561

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfvc1ps.d

Page 4

Date : 22-MAY-2009 05:14

Client ID: DFTPPC1

Instrument: R.i

Sample Info: DFTPPC1

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvc1ps.d

Spectrum: Avg. Scans 382-384 (6.97), Background Scan 379

Location of Maximum: 198.00

Number of points: 256

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	411	157.00	1129	235.00	977	371.00	462
85.00	1885	158.00	1378	236.00	301	372.00	3137
86.00	2974	159.00	1013	237.00	1003	373.00	534
87.00	1298	160.00	2762	239.00	433	382.00	191
88.00	235	161.00	3547	240.00	226	383.00	571
89.00	404	162.00	942	241.00	824	384.00	180
91.00	2618	163.00	197	242.00	1756	389.00	297
92.00	2596	164.00	594	244.00	31672	391.00	217
93.00	18688	165.00	2675	245.00	4487	401.00	1106
94.00	1286	166.00	2345	246.00	4920	402.00	577
95.00	571	167.00	14868	247.00	902	403.00	1215
96.00	958	168.00	5930	249.00	952	404.00	410
98.00	12499	169.00	1039	251.00	173	421.00	1675
99.00	9859	170.00	577	252.00	178	422.00	199
100.00	702	171.00	895	253.00	783	423.00	12512
101.00	5676	172.00	1354	255.00	148928	424.00	2580
102.00	194	173.00	1501	256.00	21640	425.00	187
103.00	2107	174.00	2635	257.00	1761	436.00	215
104.00	4054	175.00	5267	258.00	8956	437.00	239
105.00	3545	176.00	1797	261.00	204	438.00	300
107.00	43312	177.00	2645	263.00	395	439.00	272
108.00	6842	178.00	569	264.00	1888	441.00	37592
110.00	96400	179.00	10834	265.00	1487	442.00	245312
111.00	13938	180.00	7092	271.00	233	443.00	47128
112.00	1577	181.00	3504	273.00	4754	444.00	4301
113.00	613	182.00	667	274.00	12586	445.00	210
115.00	201	183.00	395	275.00	71392		
116.00	2809	184.00	1012	276.00	9076		
117.00	33496	185.00	4869	277.00	5152		
118.00	2610	186.00	38272	278.00	738		

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/rfvc1ps.d

Page 1

Date : 22-MAY-2009 05:14

Client ID: DFTPPC1

Instrument: R.i

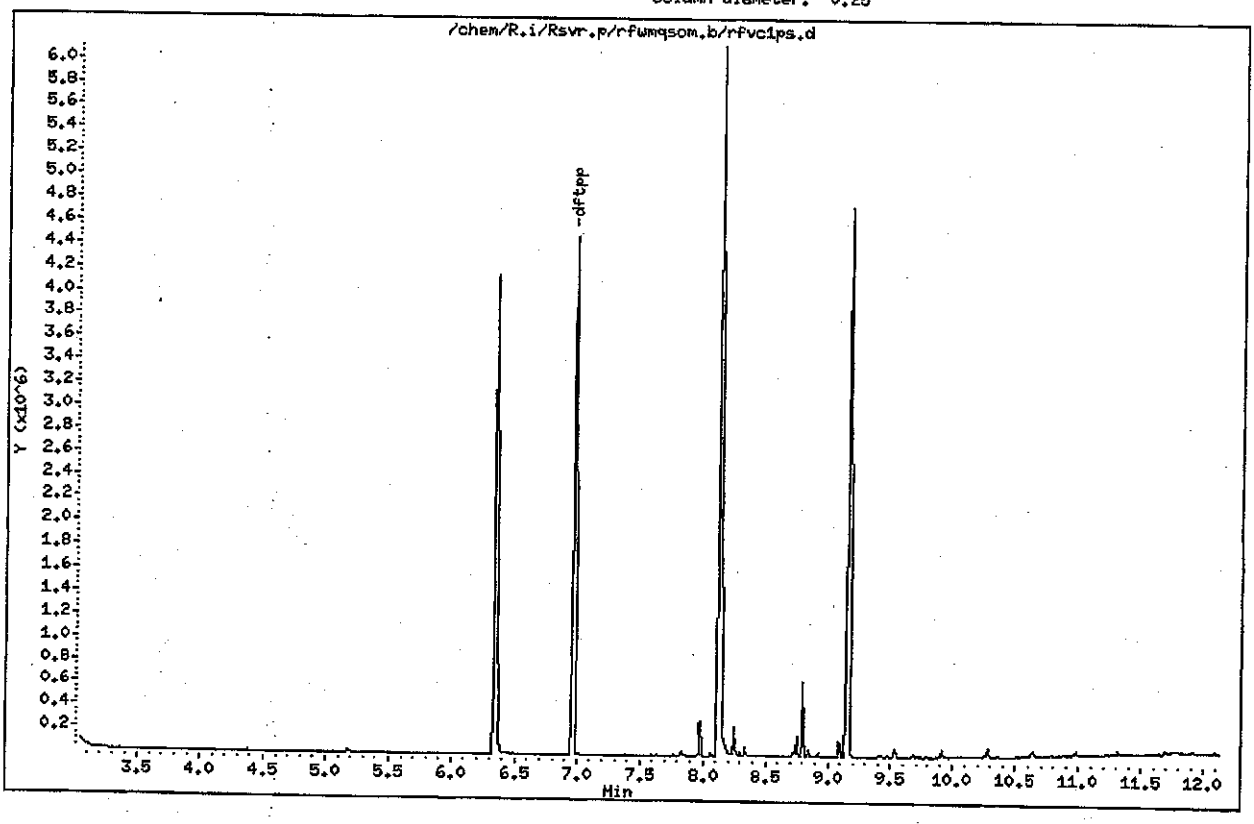
Sample Info: DFTPPC1

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfvc3ps.d

Page 2

Date : 24-MAY-2009 17:42

Client ID: DFTPPC3

Instrument: R.i

Sample Info: DFTPPC3

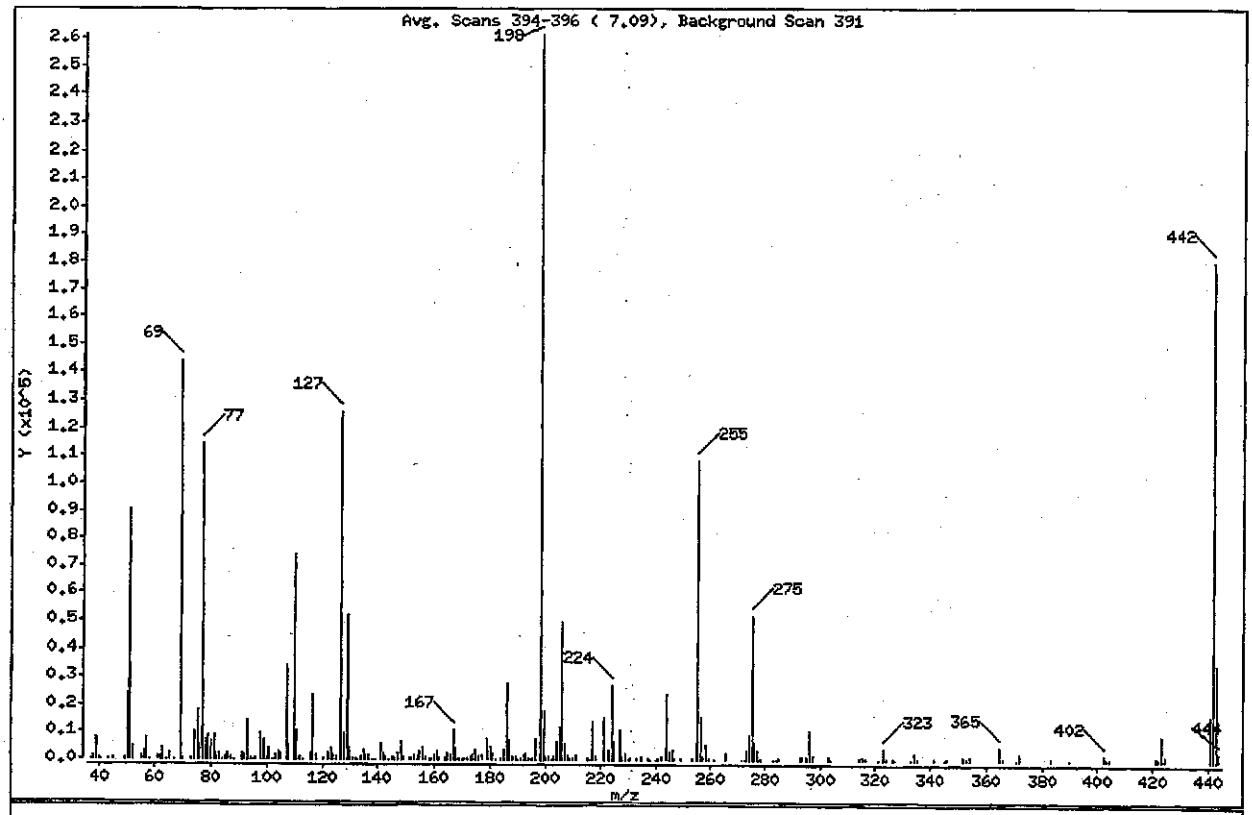
Volume Injected (uL): 2.0

Operator: mtw

Column phase: RTX-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	34.66
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	55.09
70	Less than 2.00% of mass 69	0.22 (0.40)
127	10.00 - 80.00% of mass 198	48.06
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 60.00% of mass 198	19.83
365	Greater than 1.00% of mass 198	1.81
441	Present, but less than mass 443	6.14
442	50.00 - 100.00% of mass 198	69.00
443	15.00 - 24.00% of mass 442	13.26 (19.22)

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfvc3ps.d

Page 3

Date : 24-MAY-2009 17:42

Client ID: DFTPPC3

Instrument: R.i

Sample Info: DFTPPC3

Volume Injected (uL): 2.0

Operator: mtw

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvc3ps.d
Spectrum: Avg. Scans 394-396 (7.09), Background Scan 391
Location of Maximum: 198.00
Number of points: 230

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	248	113.00	234	180.00	5005	257.00	1240
38.00	1170	116.00	2211	181.00	2562	258.00	5589
39.00	8117	117.00	23368	182.00	293	259.00	786
40.00	550	118.00	1569	184.00	456	261.00	182
41.00	288	120.00	317	185.00	3728	265.00	2405
43.00	44	122.00	2360	186.00	27464	271.00	244
45.00	484	123.00	4015	187.00	7449	272.00	267
49.00	819	124.00	1904	188.00	1029	273.00	3836
50.00	24120	125.00	922	189.00	1493	274.00	9330
51.00	90592	127.00	125608	190.00	200	275.00	51816
52.00	5003	128.00	9750	191.00	604	276.00	6797
55.00	1385	129.00	51944	192.00	2017	277.00	3702
56.00	3198	130.00	4316	193.00	2501	278.00	395
57.00	7869	131.00	645	194.00	442	283.00	270
58.00	294	132.00	369	195.00	435	284.00	188
61.00	1019	133.00	170	196.00	7996	285.00	384
62.00	1063	134.00	1454	198.00	261312	293.00	984
63.00	4038	135.00	3730	199.00	18136	295.00	912
64.00	256	136.00	1548	200.00	1432	296.00	10908
65.00	2122	137.00	1955	201.00	1295	297.00	1622
67.00	190	138.00	295	202.00	213	303.00	1278
69.00	143936	139.00	238	203.00	1253	304.00	192
70.00	569	141.00	6295	204.00	6866	314.00	544
73.00	791	142.00	2415	205.00	11823	315.00	1412
74.00	10457	143.00	1142	206.00	49608	316.00	453
75.00	18088	144.00	211	207.00	6197	321.00	240
76.00	5419	145.00	1074	208.00	1686	323.00	4326
77.00	114400	146.00	562	209.00	316	324.00	697
78.00	7366	147.00	2285	210.00	695	326.00	644
79.00	8152	148.00	6416	211.00	1779	327.00	192
80.00	6498	149.00	1108	215.00	409	333.00	228
81.00	8826	151.00	501	216.00	181	334.00	2666
82.00	2182	152.00	486	217.00	13959	335.00	564
83.00	2425	153.00	1973	218.00	1312	341.00	332
84.00	257	154.00	1314	221.00	15649	345.00	239

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfvo3ps.d

Page 4

Date : 24-MAY-2009 17:42

Client ID: DFTPPC3

Instrument: R.i

Sample Info: DFTPPC3

Volume Injected (uL): 2.0

Operator: mtw

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvo3ps.d
Spectrum: Avg. Scans 394-396 (7.09), Background Scan 391
Location of Maximum: 198.00
Number of points: 230

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	1336	155.00	2804	223.00	3421	346.00	403
86.00	2580	156.00	4432	224.00	26936	352.00	1028
87.00	1036	157.00	1193	225.00	6713	353.00	749
88.00	234	158.00	610	227.00	10811	354.00	1256
91.00	2377	159.00	683	228.00	1454	365.00	4722
92.00	2084	160.00	1676	229.00	2156	366.00	658
93.00	14340	161.00	2966	230.00	198	371.00	172
94.00	769	162.00	591	231.00	899	372.00	2541
95.00	229	164.00	309	233.00	660	383.00	591
96.00	357	165.00	2321	235.00	1152	390.00	238
98.00	9598	166.00	1525	237.00	664	402.00	1572
99.00	7297	167.00	10666	238.00	241	403.00	703
100.00	721	168.00	4217	240.00	211	404.00	469
101.00	4128	169.00	753	241.00	320	421.00	1290
102.00	169	170.00	229	242.00	1426	422.00	615
103.00	1564	171.00	499	244.00	24072	423.00	9167
104.00	3129	172.00	784	245.00	3028	424.00	1647
105.00	2653	173.00	993	246.00	3499	441.00	16041
107.00	34320	174.00	1900	247.00	594	442.00	180288
108.00	5135	175.00	3722	249.00	705	443.00	34656
110.00	74216	176.00	1479	253.00	444	444.00	3047
111.00	10956	177.00	1940	255.00	108464		
112.00	1227	179.00	8023	256.00	15605		

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/rfvc3ps.d

Page 1

Date : 24-MAY-2009 17:42

Client ID: DFTPPC3

Instrument: R.i

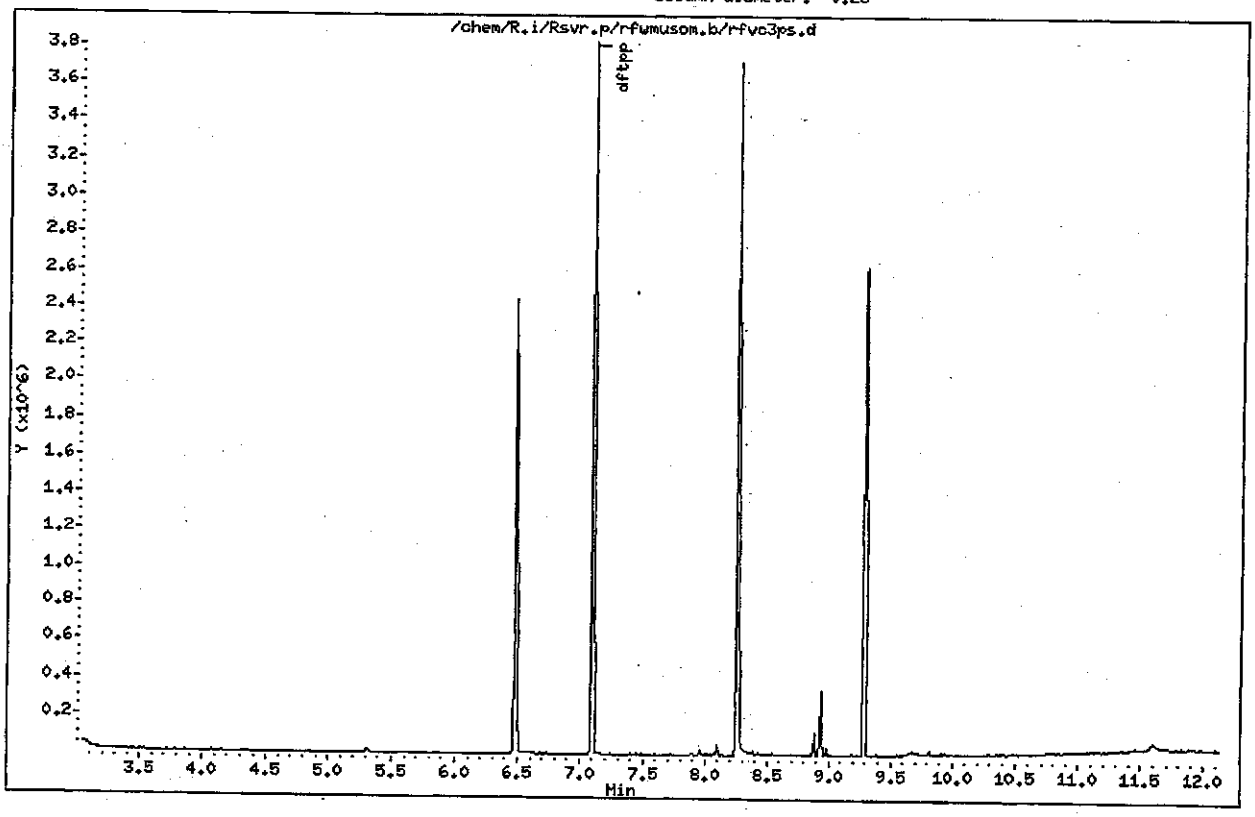
Sample Info: DFTPPC3

Volume Injected (uL): 2.0

Operator: mtw

Column phase: RTX-5

Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfvo4ps.d

Page 2

Date : 26-MAY-2009 06:11

Client ID: DFTPPC4

Instrument: R.i

Sample Info: DFTPPC4

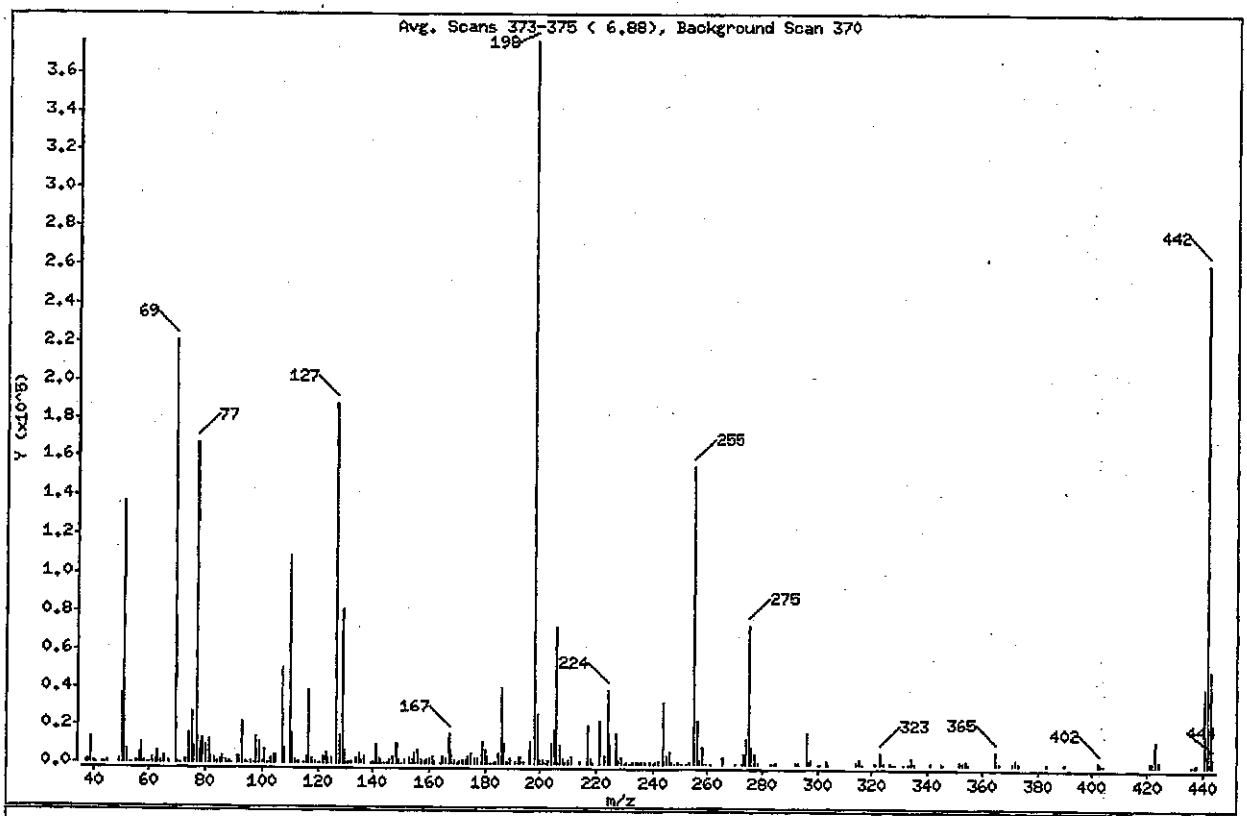
Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	36.22
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.69
70	Less than 2.00% of mass 69	0.30 (0.51)
127	10.00 - 80.00% of mass 198	50.07
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 60.00% of mass 198	19.27
365	Greater than 1.00% of mass 198	1.94
441	Present, but less than mass 443	10.83
442	50.00 - 100.00% of mass 198	69.30
443	15.00 - 24.00% of mass 442	13.37 (19.29)

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfvc4ps.d

Page 3

Date : 26-MAY-2009 06:11

Client ID: DFTPPC4

Instrument: R.i

Sample Info: DFTPPC4

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvc4ps.d

Spectrum: Avg. Scans 373-375 (6.88), Background Scan 370

Location of Maximum: 198.00

Number of points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	636	112.00	1640	183.00	276	265.00	3290
38.00	1836	113.00	590	184.00	606	270.00	211
39.00	12666	115.00	228	185.00	5430	272.00	292
40.00	548	116.00	3359	186.00	39680	273.00	4988
41.00	415	117.00	38376	187.00	10669	274.00	12736
43.00	280	118.00	2705	188.00	1037	275.00	72512
44.00	73	119.00	529	189.00	2665	276.00	9095
45.00	823	120.00	414	191.00	1151	277.00	5119
49.00	1624	121.00	192	192.00	3484	278.00	719
50.00	36048	122.00	3576	193.00	3405	283.00	353
51.00	136256	123.00	5199	194.00	886	284.00	291
52.00	6990	124.00	2595	196.00	11210	285.00	706
53.00	397	125.00	2461	198.00	376320	292.00	700
55.00	926	127.00	188416	199.00	25632	293.00	638
56.00	5369	128.00	15024	200.00	1727	296.00	16488
57.00	10481	129.00	80496	201.00	2157	297.00	2277
58.00	572	130.00	6690	202.00	409	300.00	199
59.00	221	131.00	1065	203.00	1685	301.00	238
60.00	188	132.00	744	204.00	10245	303.00	1901
61.00	2181	134.00	2262	205.00	17352	304.00	264
62.00	2035	135.00	5421	206.00	71984	314.00	776
63.00	5645	136.00	1987	207.00	9112	315.00	2419
64.00	941	137.00	3330	208.00	2192	316.00	332
65.00	3210	139.00	216	209.00	653	321.00	607
67.00	698	140.00	827	210.00	1519	323.00	6208
69.00	220864	141.00	9343	211.00	3071	324.00	1000
70.00	1127	142.00	2986	214.00	494	326.00	551
71.00	236	143.00	1851	217.00	20104	327.00	344
73.00	1347	144.00	272	218.00	2528	328.00	329
74.00	15552	145.00	423	219.00	175	331.00	197
75.00	26736	146.00	1815	221.00	22912	333.00	270
76.00	8452	147.00	3562	223.00	4443	334.00	3567
77.00	167616	148.00	10272	224.00	39096	335.00	822
78.00	10796	149.00	1395	225.00	9829	341.00	695
79.00	12607	150.00	255	227.00	15610	345.00	605

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfvo4ps.d

Page 4

Date : 26-MAY-2009 06:11

Client ID: DFTPPC4

Instrument: R.i

Sample Info: DFTPPC4

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

Data File: rfvo4ps.d
Spectrum: Avg. Scans 373-375 (6.88), Background Scan 370
Location of Maximum: 198.00
Number of points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	9331	151.00	1761	228.00	1986	346.00	367
81.00	12549	153.00	2569	229.00	3714	352.00	1399
82.00	3198	154.00	2001	230.00	379	353.00	1251
83.00	2967	155.00	4776	231.00	1271	354.00	1702
84.00	833	156.00	6613	232.00	175	355.00	187
85.00	2162	157.00	1486	233.00	567	365.00	7318
86.00	3881	158.00	1193	234.00	920	366.00	935
87.00	1715	159.00	1339	235.00	514	371.00	665
88.00	547	160.00	2513	236.00	826	372.00	2951
89.00	216	161.00	3576	237.00	1124	373.00	772
91.00	3088	162.00	988	239.00	520	383.00	738
92.00	3225	164.00	365	240.00	322	390.00	453
93.00	21592	165.00	3316	241.00	781	402.00	1916
94.00	1100	166.00	2598	242.00	2120	403.00	1176
95.00	414	167.00	15550	244.00	32312	404.00	222
96.00	823	168.00	6550	245.00	4637	421.00	1620
97.00	193	169.00	1421	246.00	5754	422.00	1514
98.00	14215	170.00	383	247.00	933	423.00	12998
99.00	11201	171.00	772	248.00	216	424.00	2287
100.00	980	172.00	1739	249.00	1216	436.00	401
101.00	6886	173.00	1991	250.00	223	437.00	223
102.00	258	174.00	3086	252.00	253	438.00	917
103.00	2613	175.00	5532	253.00	780	441.00	40752
104.00	4157	176.00	2703	255.00	154816	442.00	260800
105.00	3954	177.00	2324	256.00	22296	443.00	50304
107.00	49920	179.00	11202	257.00	1861	444.00	4329
108.00	7625	180.00	7314	258.00	8991		
110.00	108440	181.00	3841	259.00	352		
111.00	15455	182.00	407	261.00	183		

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/rfvo4ps.d

Page 1

Date : 26-MAY-2009 06:11

Client ID: DFTPPC4

Instrument: R.i

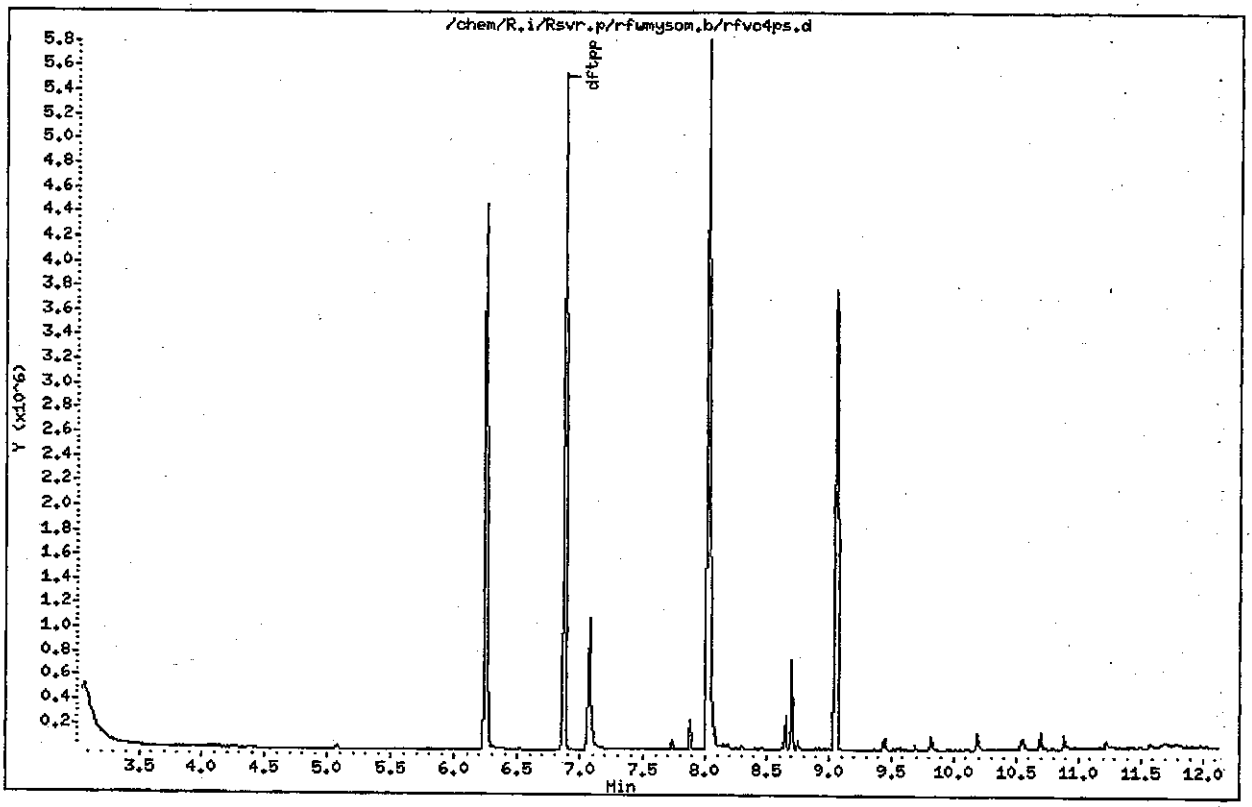
Sample Info: DFTPPC4

Volume Injected (uL): 2.0

Operator: djb

Column phase: RTX-5

Column diameter: 0.25

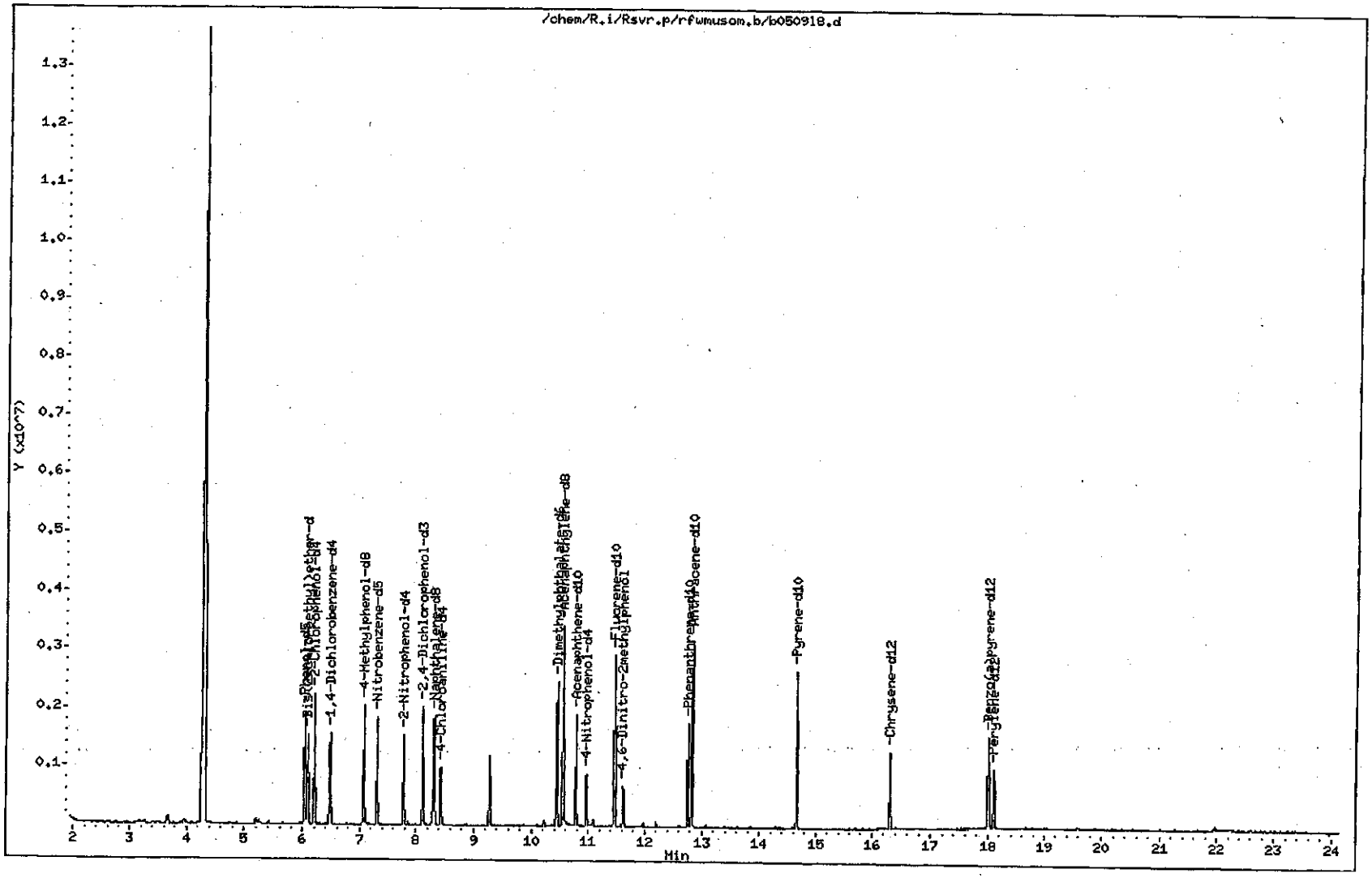


Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Date : 24-MAY-2009 18:42
Client ID: SBLKL8
Sample Info: SBLKL8
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 1

Instrument: R.i

Operator: mtu
Column diameter: 0.25



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine(1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	141-79-7	3-Penten-2-one, 4-methyl-	3.67	77	NJA
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.31	11000	NJA
03		Unknown	9.27	350	J
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					
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Report Date: 27-May-2009 08:36

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Lab Smp Id: SBLKL8 Client Smp ID: SBLKL8
Inj Date : 24-MAY-2009 18:42
Operator : mtw Inst ID: R.i
Smp Info : SBLKL8
Misc Info : SBLKL8,2F5A_SBLKL8,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmusom.b/fsom12.m
Meth Date : 27-May-2009 08:33 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	29.94000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
4 Benzaldehyde	77	Compound Not Detected.					
$ 5 Phenol-d5	71	6.028	6.030	(0.930)	354882	57.2376	960
6 Phenol	94	Compound Not Detected.					
$ 7 Bis(2-chloroethyl)ether-d8	67	6.079	6.081	(0.938)	645694	49.8991	830
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 9 2-Chlorophenol-d4	132	6.202	6.204	(0.957)	973100	59.2220	990
10 2-Chlorophenol	128	Compound Not Detected.					
* 11 1,4-Dichlorobenzene-d4	152	6.480	6.482	(1.000)	422504	40.0000	
13 2-Methylphenol	108	Compound Not Detected.					
14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 15 4-Methylphenol-d8	113	7.075	7.067	(1.092)	750530	58.0793	970
16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Report Date: 27-May-2009 08:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	17 4-Methylphenol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	7.311	7.314	(0.879)	460128	60.9474	1000
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	7.784	7.786	(0.936)	511335	61.9431	1000
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	8.123	8.125	(0.977)	707622	55.3594	920
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.318	8.320	(1.000)	1459465	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	8.441	8.443	(1.015)	514402	27.5685	460
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	10.444	10.446	(0.969)	1412889	58.2020	970
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	10.547	10.549	(0.978)	2110637	61.6337	1000
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.783	10.785	(1.000)	657991	40.0000	
	52 Acenaphthene	153	Compound Not Detected.					
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	10.968	10.970	(1.017)	281198	45.9146	770
	55 4-Nitrophenol	109	Compound Not Detected.					
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	Compound Not Detected.					
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	11.471	11.463	(1.064)	1201479	57.7224	960
	61 Fluorene	166	Compound Not Detected.					
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	11.625	11.627	(0.911)	159797	43.3687	720
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Report Date: 27-May-2009 08:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	265	Compound Not Detected.					
*	71 Phenanthrene-d10	188	12.755	12.757	(1.000)	942123	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	12.827	12.829	(1.006)	1659053	60.2849	1000
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	Compound Not Detected.					
$	78 Pyrene-d10	212	14.665	14.667	(0.899)	1234590	67.8848	1100
	79 Pyrene	202	Compound Not Detected.					
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.308	16.310	(1.000)	652923	40.0000	
	84 Chrysene	228	Compound Not Detected.					
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	18.013	18.015	(0.995)	839222	64.2220	1100
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.106	18.108	(1.000)	538670	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Lab Smp Id: SBLKL8 Client Smp ID: SBLKL8
Inj Date : 24-MAY-2009 18:42
Operator : mtw Inst ID: R.i
Smp Info : SBLKL8
Misc Info : SBLKL8,2F5A_SBLKL8,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmusom.b/fsom12.m
Meth Date : 27-May-2009 08:33 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	29.94000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 11 1,4-Dichlorobenzene-d4	6.480	2279472	40.000
* 30 Naphthalene-d8	8.318	2756177	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Penten-2-one, 4-methyl-					CAS #: 141-79-7		
3.666	263850	4.63002406	77	87	NIST05.1	3163	11(L)

Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d
Report Date: 27-May-2009 08:36

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Pentanone, 4-hydroxy-4-methyl-				CAS #: 123-42-2			
4.313	35949574	630.840125	11000	56	NIST05.1	7952	11
Unknown				CAS #:			
9.273	1437261	20.8587548	350	0		0	30

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /chem/R.i/Rsvr.p/rfumusom.b/b050918.d

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Date : 24-MAY-2009 18:42

Client ID: SBLKL8

Instrument: R.i

Sample Info: SBLKL8

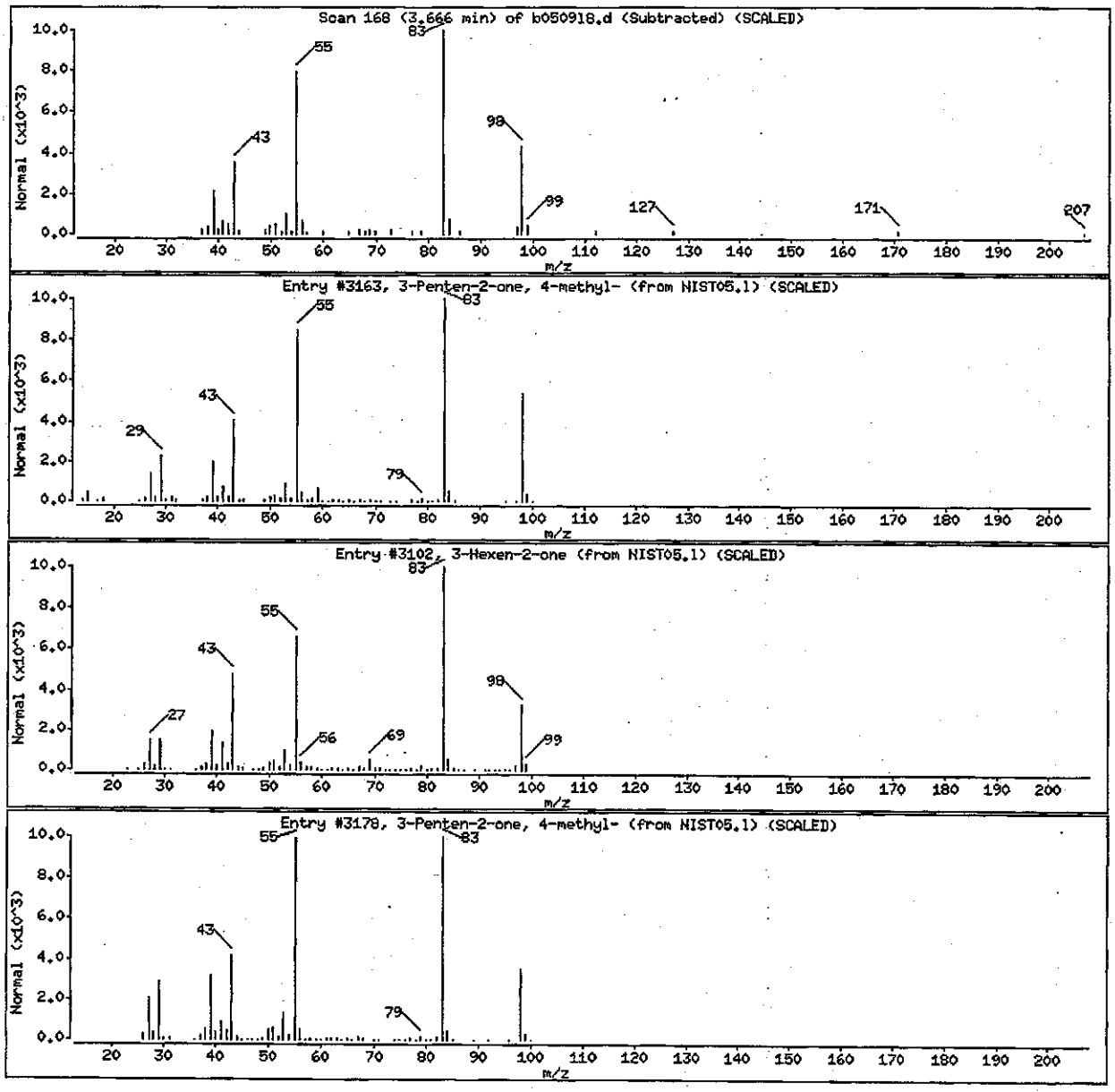
Volume Injected (uL): 2.0

Operator: mtw

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3163	87	C6H10O	98
3-Hexen-2-one	763-93-9	NIST05.1	3102	91	C6H10O	98
3-Penten-2-one, 4-methyl-	141-79-7	NIST05.1	3178	87	C6H10O	98



Data File: /chem/R.i/Rsvr.p/rfumusom.b/b050918.d

Page 8

Date : 24-MAY-2009 18:42

Client ID: SBLKL8

Instrument: R.i

Sample Info: SBLKL8

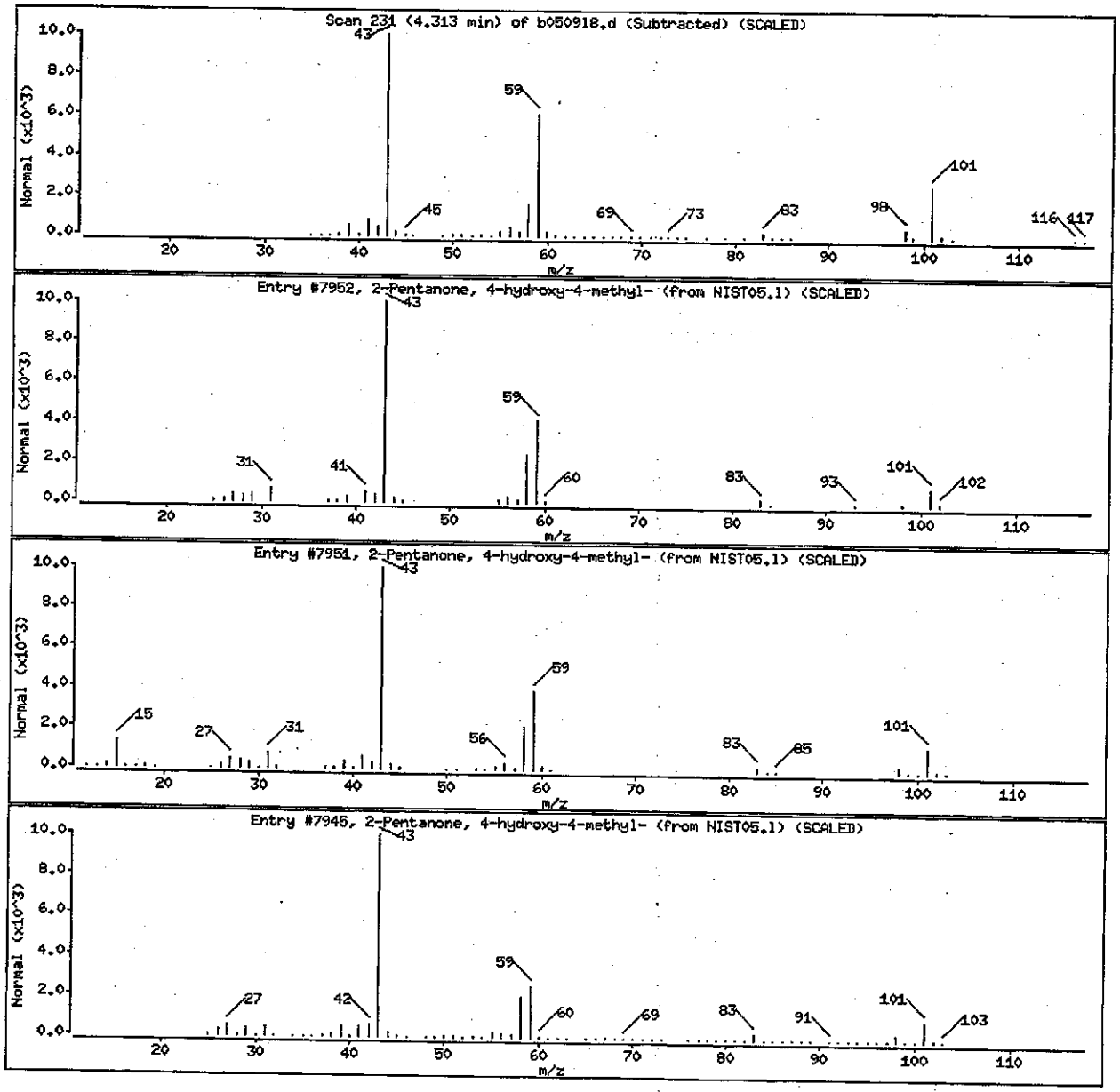
Volume Injected (uL): 2.0

Operator: mtw

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7952	56	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	50	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7945	38	C6H12O2	116



Data File: /chem/R.i/Rsvr.p/rfwmusom.b/b050918.d

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Date : 24-MAY-2009 18:42

Client ID: SBLKL8

Instrument: R.i

Sample Info: SBLKL8

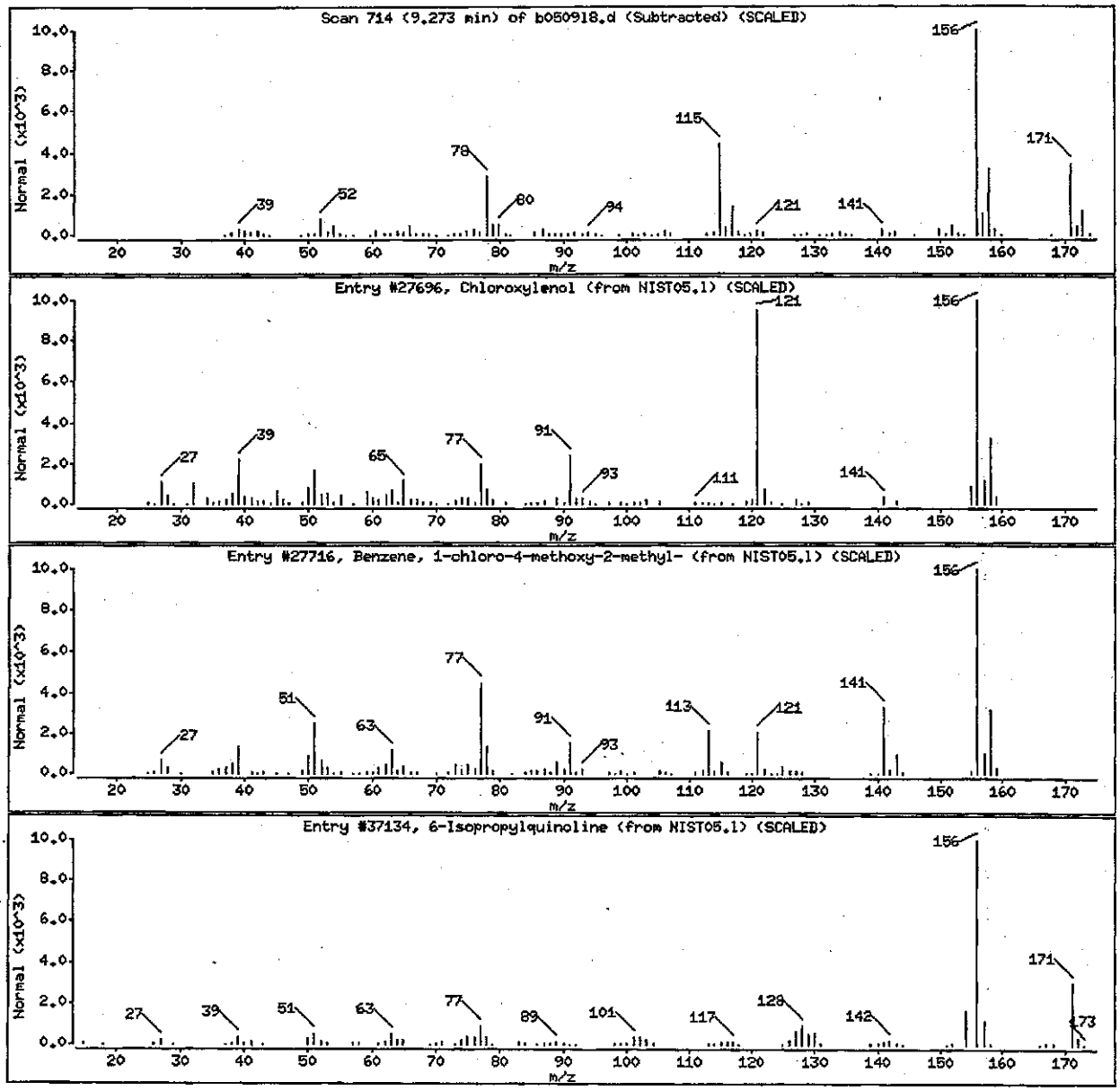
Volume Injected (uL): 2.0

Operator: mtw

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Chloroxylenol	88-04-0	NIST05.1	27696	38	C8H9ClO	156
Benzene, 1-chloro-4-methoxy-2-methyl-	13334-71-9	NIST05.1	27716	38	C8H9ClO	156
6-Isopropylquinoline	135-79-5	NIST05.1	37134	38	C12H13N	171



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	4800	U
108-95-2	Phenol	4800	U
111-44-4	Bis(2-chloroethyl)ether	4800	U
95-57-8	2-Chlorophenol	4800	U
95-48-7	2-Methylphenol	4800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	4800	U
98-86-2	Acetophenone	4800	U
106-44-5	4-Methylphenol	4800	U
621-64-7	N-Nitroso-di-n-propylamine	4800	U
67-72-1	Hexachloroethane	4800	U
98-95-3	Nitrobenzene	4800	U
78-59-1	Isophorone	4800	U
88-75-5	2-Nitrophenol	4800	U
105-67-9	2,4-Dimethylphenol	4800	U
111-91-1	Bis(2-chloroethoxy)methane	4800	U
120-83-2	2,4-Dichlorophenol	4800	U
91-20-3	Naphthalene	4800	U
106-47-8	4-Chloroaniline	4800	U
87-68-3	Hexachlorobutadiene	4800	U
105-60-2	Caprolactam	4800	U
59-50-7	4-Chloro-3-methylphenol	4800	U
91-57-6	2-Methylnaphthalene	4800	U
77-47-4	Hexachlorocyclopentadiene	4800	U
88-06-2	2,4,6-Trichlorophenol	4800	U
95-95-4	2,4,5-Trichlorophenol	4800	U
92-52-4	1,1'-Biphenyl	4800	U
91-58-7	2-Chloronaphthalene	4800	U
88-74-4	2-Nitroaniline	9500	U
131-11-3	Dimethylphthalate	4800	U
606-20-2	2,6-Dinitrotoluene	4800	U
208-96-8	Acenaphthylene	4800	U
99-09-2	3-Nitroaniline	9500	U
83-32-9	Acenaphthene	4800	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	9500	U
100-02-7	4-Nitrophenol	9500	U
132-64-9	Dibenzofuran	4800	U
121-14-2	2,4-Dinitrotoluene	4800	U
84-66-2	Diethylphthalate	4800	U
86-73-7	Fluorene	4800	U
7005-72-3	4-Chlorophenyl-phenylether	4800	U
100-01-6	4-Nitroaniline	9500	U
534-52-1	4,6-Dinitro-2-methylphenol	9500	U
86-30-6	N-Nitrosodiphenylamine(1)	4800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	4800	U
101-55-3	4-Bromophenyl-phenylether	4800	U
118-74-1	Hexachlorobenzene	4800	U
1912-24-9	Atrazine	4800	U
87-86-5	Pentachlorophenol	9500	U
85-01-8	Phenanthrene	4800	U
120-12-7	Anthracene	4800	U
86-74-8	Carbazole	4800	U
84-74-2	Di-n-butylphthalate	4800	U
206-44-0	Fluoranthene	4800	U
129-00-0	Pyrene	4800	U
85-68-7	Butylbenzylphthalate	4800	U
91-94-1	3,3'-Dichlorobenzidine	4800	U
56-55-3	Benzo(a)anthracene	4800	U
218-01-9	Chrysene	4800	U
117-81-7	Bis(2-ethylhexyl)phthalate	4800	U
117-84-0	Di-n-octylphthalate	4800	U
205-99-2	Benzo(b)fluoranthene	4800	U
207-08-9	Benzo(k)fluoranthene	4800	U
50-32-8	Benzo(a)pyrene	4800	U
193-39-5	Indeno(1,2,3-cd)pyrene	4800	U
53-70-3	Dibenzo(a,h)anthracene	4800	U
191-24-2	Benzo(g,h,i)perylene	4800	U
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	9.28	3000	J
02	2156-97-0	Dodecyl acrylate	11.99	2800	NJ
03					
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					
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

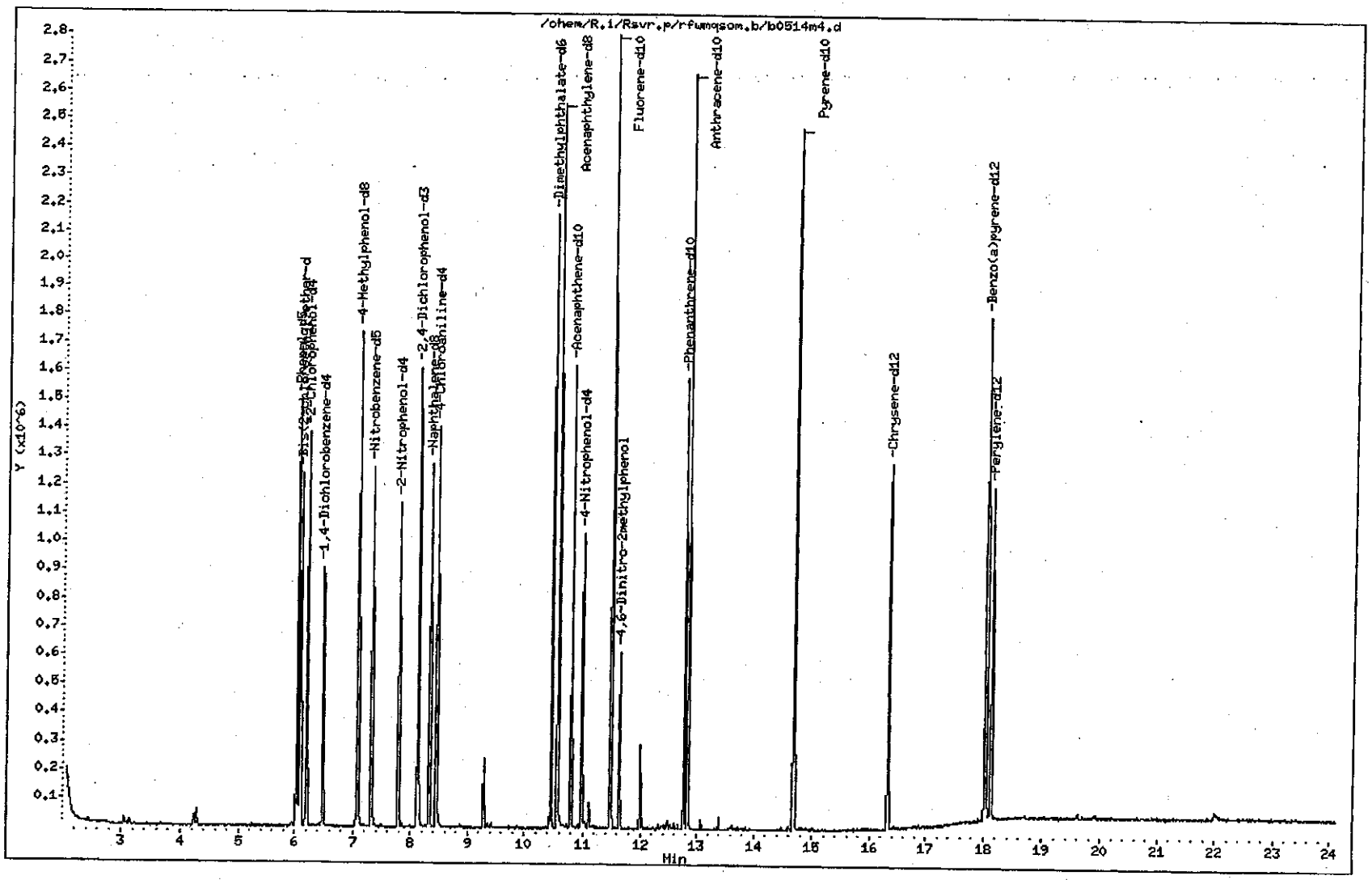
SOM01.2

Data File: /chem/R.i/Rsvr.p/rfumqsom.b/b0514m4.d
Date : 22-MAY-2009 10:37
Client ID: SBLKM4
Sample Info: SBLKM4
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 1

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d Page 1
Report Date: 26-May-2009 17:15

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d
Lab Smp Id: SBLKM4 Client Smp ID: SBLKM4
Inj Date : 22-MAY-2009 10:37
Operator : djb Inst ID: R.i
Smp Info : SBLKM4
Misc Info : SBLKM4,2F5A_SBLKM4,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:45 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	1.05000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	4 Benzaldehyde	77	Compound Not Detected.					
$	5 Phenol-d5	71	6.035	6.030	(0.930)	260601	68.1574	32000
	6 Phenol	94	Compound Not Detected.					
$	7 Bis(2-chloroethyl)ether-d8	67	6.086	6.091	(0.938)	461589	57.8444	28000
	8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	9 2-Chlorophenol-d4	132	6.199	6.204	(0.956)	677067	66.8186	32000
	10 2-Chlorophenol	128	Compound Not Detected.					
*	11 1,4-Dichlorobenzene-d4	152	6.487	6.481	(1.000)	260550	40.0000	
	13 2-Methylphenol	108	Compound Not Detected.					
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	7.072	7.077	(1.090)	534829	67.1133	32000
	16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d
Report Date: 26-May-2009 17:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	17 4-Methylphenol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	7.318	7.313	(0.879)	326084	65.2852	31000
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	7.791	7.786	(0.936)	368001	67.3822	32000
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	8.120	8.125	(0.975)	521144	61.6249	29000
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.325	8.320	(1.000)	965573	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	8.448	8.443	(1.015)	705899	57.1822	27000
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	10.451	10.456	(0.969)	1142328	63.8005	30000
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	10.564	10.559	(0.979)	1644253	65.0994	31000
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.790	10.795	(1.000)	485307	40.0000	
	52 Acenaphthene	153	Compound Not Detected.					
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	10.975	10.980	(1.017)	261083	57.7990	28000
	55 4-Nitrophenol	109	Compound Not Detected.					
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	Compound Not Detected.					
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	11.478	11.483	(1.064)	951995	62.0107	30000
	61 Fluorene	166	Compound Not Detected.					
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	11.632	11.637	(0.911)	118722	37.9662	18000
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d
Report Date: 26-May-2009 17:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	265	Compound Not Detected.					
*	71 Phenanthrene-d10	188	12.772	12.767	(1.000)	799556	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	12.834	12.839	(1.005)	1480634	63.3950	30000
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	Compound Not Detected.					
$	78 Pyrene-d10	212	14.682	14.677	(0.899)	1261543	62.2883	30000
	79 Pyrene	202	Compound Not Detected.					
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.326	16.320	(1.000)	727122	40.0000	
	84 Chrysene	228	Compound Not Detected.					
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	18.030	18.025	(0.995)	1016310	65.9532	31000
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.123	18.128	(1.000)	635214	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d
Lab Smp Id: SBLKM4 Client Smp ID: SBLKM4
Inj Date : 22-MAY-2009 10:37
Operator : djb Inst ID: R.i
Smp Info : SBLKM4
Misc Info : SBLKM4,2F5A_SBLKM4,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:45 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	1.05000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 30 Naphthalene-d8	8.325	1865784	40.000
* 71 Phenanthrene-d10	12.772	1988156	40.000

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
9.280	292300	6.26653913	3000	0		0	30

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/b0514m4.d
Report Date: 26-May-2009 17:15

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	========	==========	======
Dodecyl acrylate				CAS #: 2156-97-0			
11.991	291094	5.85656237	2800	91	NIST05.l	85325	71(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: /chem/R.i/Rsvr.p/rfumqsom.b/b0514m4.d

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Date : 22-MAY-2009 10:37

Client ID: SBLKM4

Instrument: R.i

Sample Info: SBLKM4

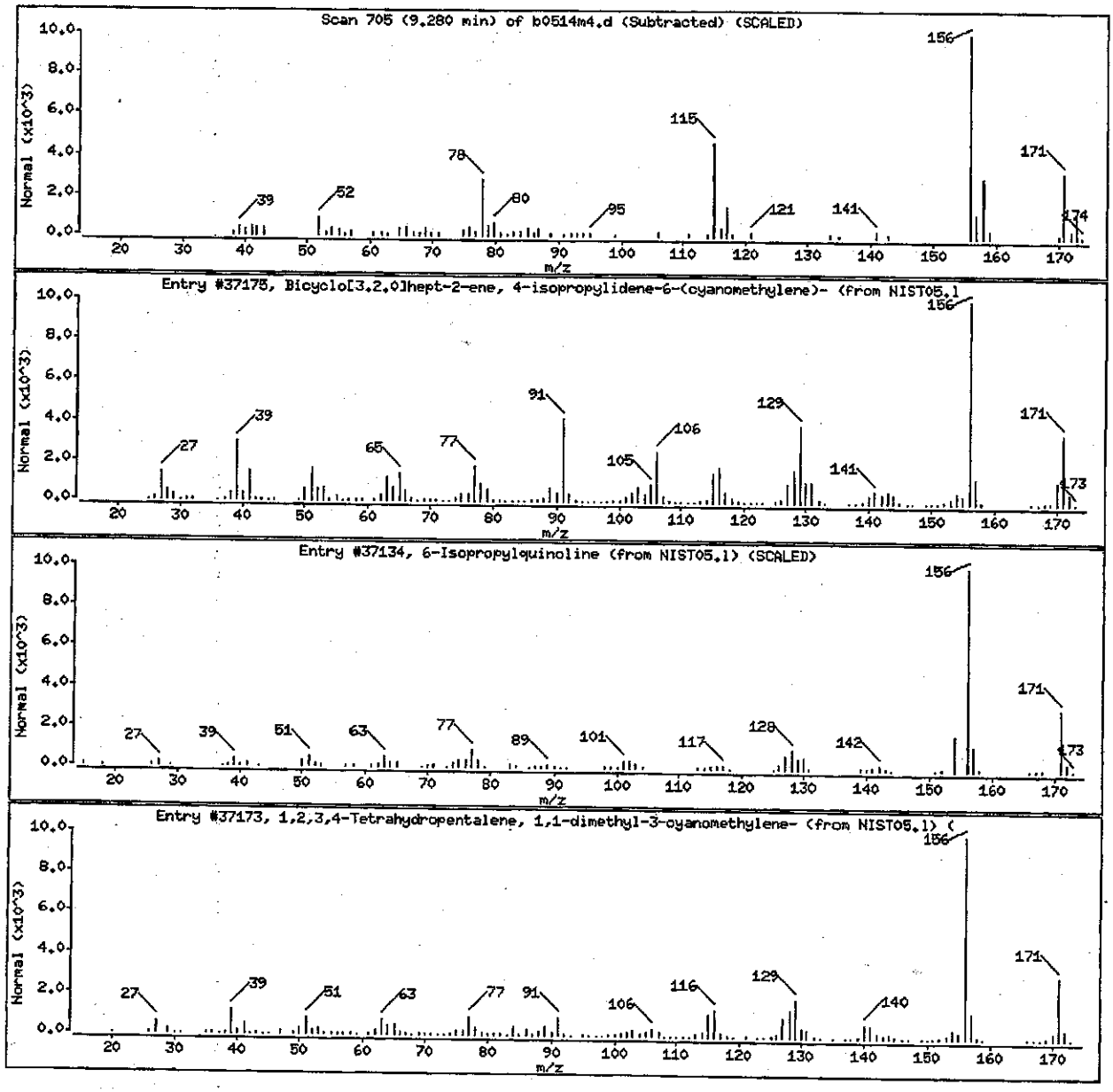
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Bicyclo[3.2.0]hept-2-ene, 4-isopropylide	1000217-15-6	NIST05.1	37175	38	C12H13N	171
6-Isopropylquinoline	135-79-5	NIST05.1	37134	38	C12H13N	171
1,2,3,4-Tetrahydropentalene, 1,1-dimethy	1000217-18-6	NIST05.1	37173	37	C12H13N	171



Data File: /chem/R.i/Rsvr.p/rfumqsom.b/b0514m4.d

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Date : 22-MAY-2009 10:37

Client ID: SBLKM4

Instrument: R.i

Sample Info: SBLKM4

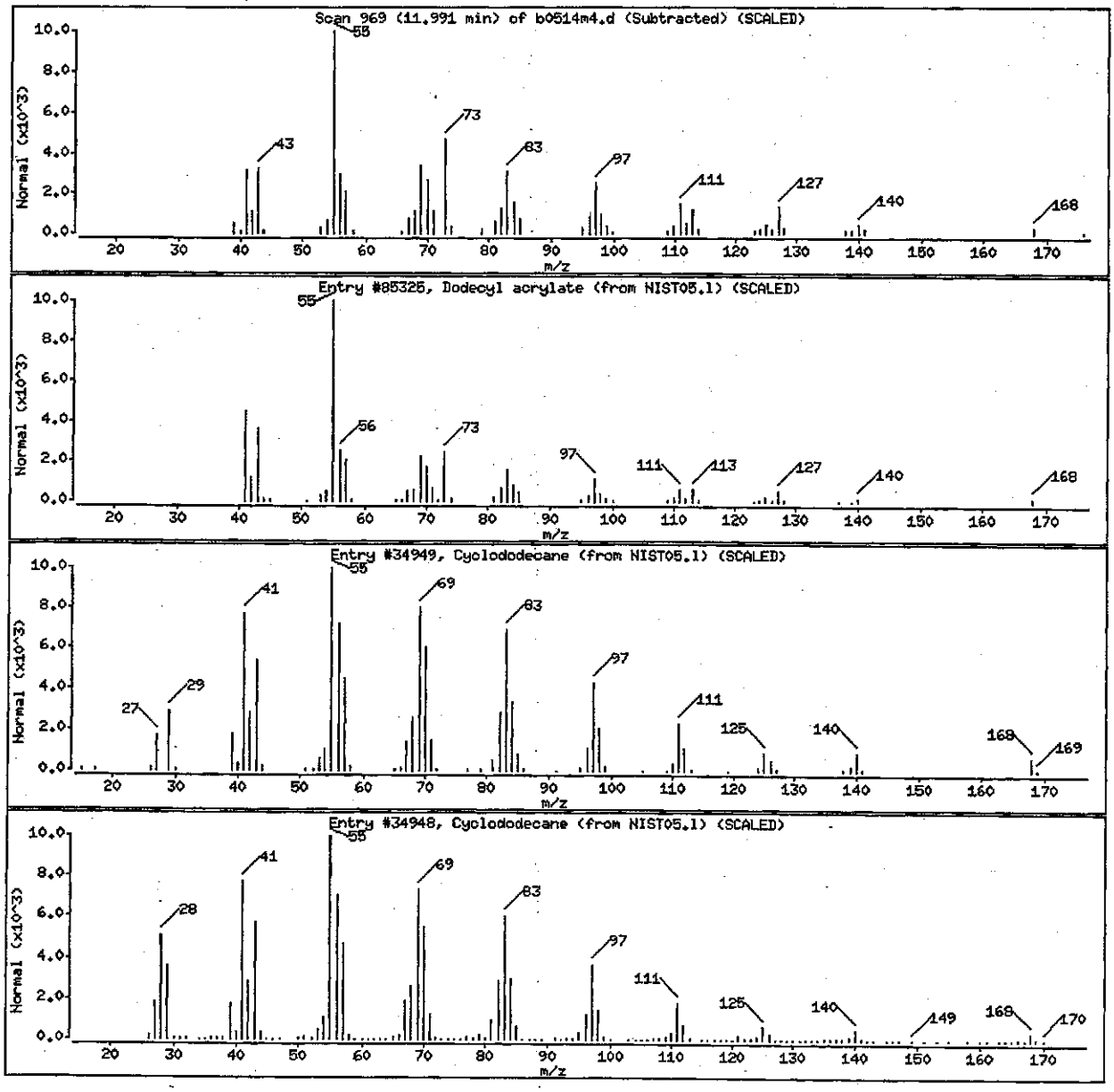
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecyl acrylate	2156-97-0	NIST05.1	85325	91	C15H28O2	240
Cyclododecane	294-62-2	NIST05.1	34949	95	C12H24	168
Cyclododecane	294-62-2	NIST05.1	34948	92	C12H24	168



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine(1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	19	J
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.23	7600	NJA
02		Unknown	9.23	560	J
03					
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					
	E966796(2)	Total Alkanes	N/A		

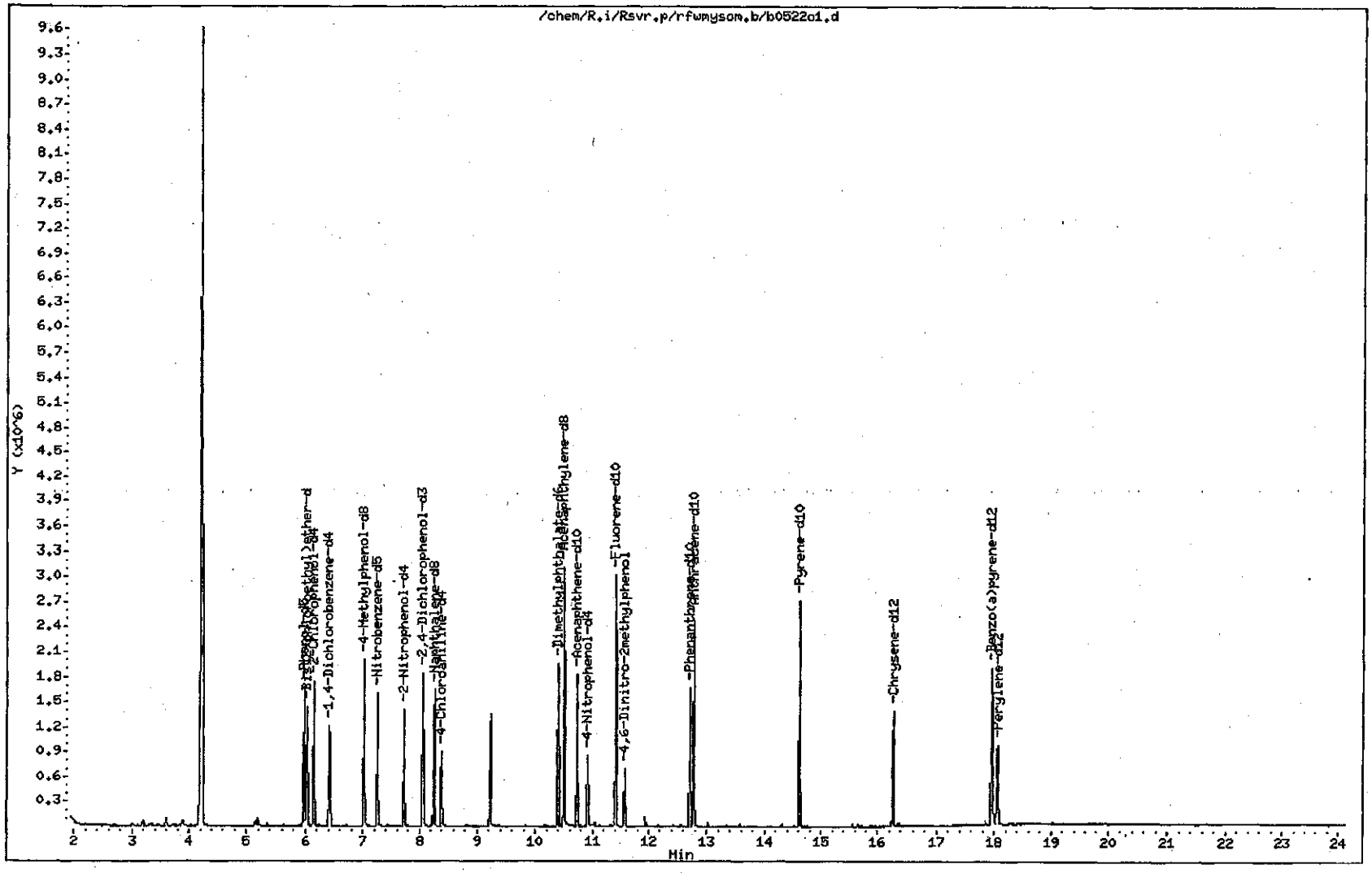
(2) EPA-designated Registry Number.

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Date : 26-MAY-2009 07:57
Client ID: SBLK01
Sample Info: SBLK01
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25

Page 1



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Report Date: 27-May-2009 09:13

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Lab Smp Id: SBLKO1 Client Smp ID: SBLKO1
Inj Date : 26-MAY-2009 07:57
Operator : djb Inst ID: R.i
Smp Info : SBLKO1
Misc Info : SBLKO1,2F5A_SBLKO1,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fsom12.m
Meth Date : 27-May-2009 09:05 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	4 Benzaldehyde	77	Compound Not Detected.					
$	5 Phenol-d5	71	5.971	5.977	(0.931)	302252	61.5965	1000
	6 Phenol	94	Compound Not Detected.					
$	7 Bis(2-chloroethyl)ether-d8	67	6.022	6.028	(0.939)	553992	54.0952	900
	8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	9 2-Chlorophenol-d4	132	6.145	6.141	(0.958)	809744	62.2677	1000
	10 2-Chlorophenol	128	Compound Not Detected.					
*	11 1,4-Dichlorobenzene-d4	152	6.412	6.418	(1.000)	334381	40.0000	
	13 2-Methylphenol	108	Compound Not Detected.					
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	7.018	7.014	(1.094)	636520	62.2379	1000
	16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Report Date: 27-May-2009 09:13

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/kg)
17 4-Methylphenol	108	Compound Not Detected.					
19 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
20 Hexachloroethane	116	Compound Not Detected.					
$ 21 Nitrobenzene-d5	128	7.254	7.261	(0.878)	398055	66.0519	1100
22 Nitrobenzene	77	Compound Not Detected.					
23 Isophorone	82	Compound Not Detected.					
$ 24 2-Nitrophenol-d4	143	7.727	7.733	(0.935)	435887	66.1496	1100
25 2-Nitrophenol	139	Compound Not Detected.					
26 2,4-Dimethylphenol	107	Compound Not Detected.					
27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$ 28 2,4-Dichlorophenol-d3	165	8.066	8.072	(0.976)	600058	58.8097	970
29 2,4-Dichlorophenol	162	Compound Not Detected.					
* 30 Naphthalene-d8	136	8.261	8.257	(1.000)	1165006	40.0000	
31 Naphthalene	128	Compound Not Detected.					
$ 32 4-Chloroaniline-d4	131	8.384	8.390	(1.015)	412372	27.6863	460
33 4-Chloroaniline	127	Compound Not Detected.					
34 Hexachlorobutadiene	224	Compound Not Detected.					
35 Caprolactam	113	Compound Not Detected.					
36 4-Chloro-3-methylphenol	107	Compound Not Detected.					
37 2-Methylnaphthalene	142	Compound Not Detected.					
38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
42 1,1'-Biphenyl	154	Compound Not Detected.					
43 2-Chloronaphthalene	162	Compound Not Detected.					
44 2-Nitroaniline	65	Compound Not Detected.					
$ 45 Dimethylphthalate-d6	166	10.397	10.393	(0.969)	1246352	61.1714	1000
46 Dimethylphthalate	163	Compound Not Detected.					
$ 47 Acenaphthylene-d8	160	10.500	10.506	(0.979)	1852956	64.4685	1100
48 Acenaphthylene	152	Compound Not Detected.					
49 2,6-Dinitrotoluene	165	Compound Not Detected.					
50 3-Nitroaniline	138	Compound Not Detected.					
* 51 Acenaphthene-d10	164	10.726	10.732	(1.000)	552258	40.0000	
52 Acenaphthene	153	Compound Not Detected.					
53 2,4-Dinitrophenol	184	Compound Not Detected.					
$ 54 4-Nitrophenol-d4	143	10.921	10.927	(1.018)	267192	51.9804	860
55 4-Nitrophenol	109	Compound Not Detected.					
56 Dibenzofuran	168	Compound Not Detected.					
57 2,4-Dinitrotoluene	165	Compound Not Detected.					
58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
59 Diethylphthalate	149	Compound Not Detected.					
$ 60 Fluorene-d10	176	11.414	11.420	(1.064)	1064719	60.9455	1000
61 Fluorene	166	Compound Not Detected.					
62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
63 4-Nitroaniline	138	Compound Not Detected.					
$ 64 4,6-Dinitro-2methylphenol-d2	200	11.568	11.574	(0.910)	141669	43.2801	720
65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Report Date: 27-May-2009 09:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	265	Compound Not Detected.					
*	71 Phenanthrene-d10	188	12.708	12.714	(1.000)	836955	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	12.780	12.776	(1.006)	1539680	62.9774	1000
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	Compound Not Detected.					
$	78 Pyrene-d10	212	14.618	14.614	(0.899)	1298348	66.8216	1100
	79 Pyrene	202	Compound Not Detected.					
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.262	16.268	(1.000)	697567	40.0000	
	84 Chrysene	228	Compound Not Detected.					
	85 Bis(2-ethylhexyl)phthalate	149	16.364	16.360	(1.006)	18484	1.13512	19(a)
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	17.956	17.962	(0.994)	947801	66.6965	1100
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.059	18.065	(1.000)	585793	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Lab Smp Id: SBLKO1 Client Smp ID: SBLKO1
Inj Date : 26-MAY-2009 07:57
Operator : djb Inst ID: R.i
Smp Info : SBLKO1
Misc Info : SBLKO1,2F5A_SBLKO1,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fsom12.m
Meth Date : 27-May-2009 09:05 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	30.19000	Weight of sample extracted (g)
M	0.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 11 1,4-Dichlorobenzene-d4	6.412	1816177	40.000
* 30 Naphthalene-d8	8.261	2200571	40.000

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
2-Pentanone, 4-hydroxy-4-methyl-			CAS #: 123-42-2				
4.235	20864577	459.527143	7600	64	NIST05.1	7951	11

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d
Report Date: 27-May-2009 09:13

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
9.226	1866189	33.9218977	560	0		0	30

Data File: /chem/R.i/Rsvr.p/rfumysom.b/b0522o1.d

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Date : 26-MAY-2009 07:57

Client ID: SBLK01

Instrument: R.i

Sample Info: SBLK01

Volume Injected (uL): 2.0

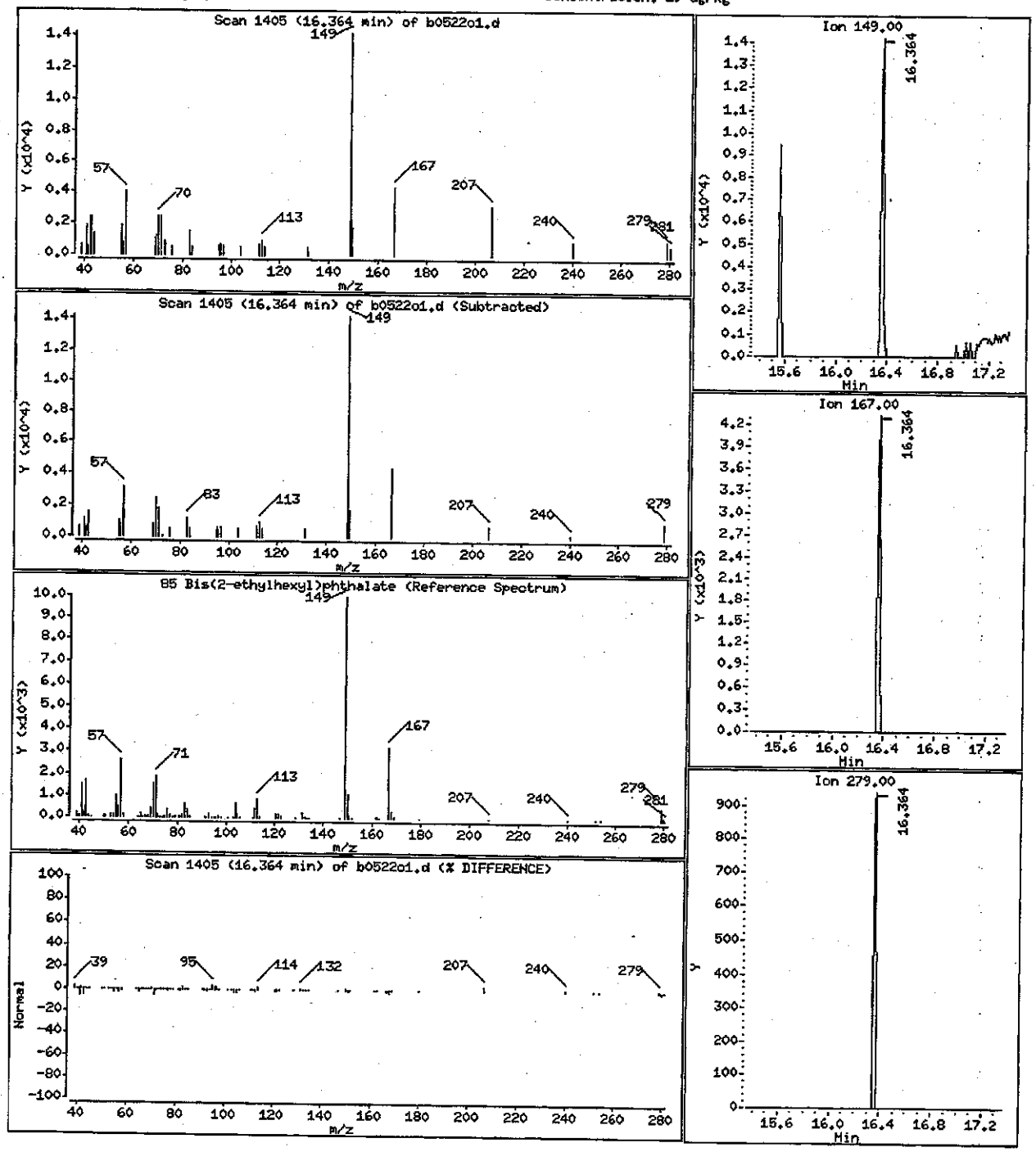
Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

85 Bis(2-ethylhexyl)phthalate

Concentration: 19 ug/kg



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d

Page 8

Date : 26-MAY-2009 07:57

Client ID: SBLK01

Instrument: R.i

Sample Info: SBLK01

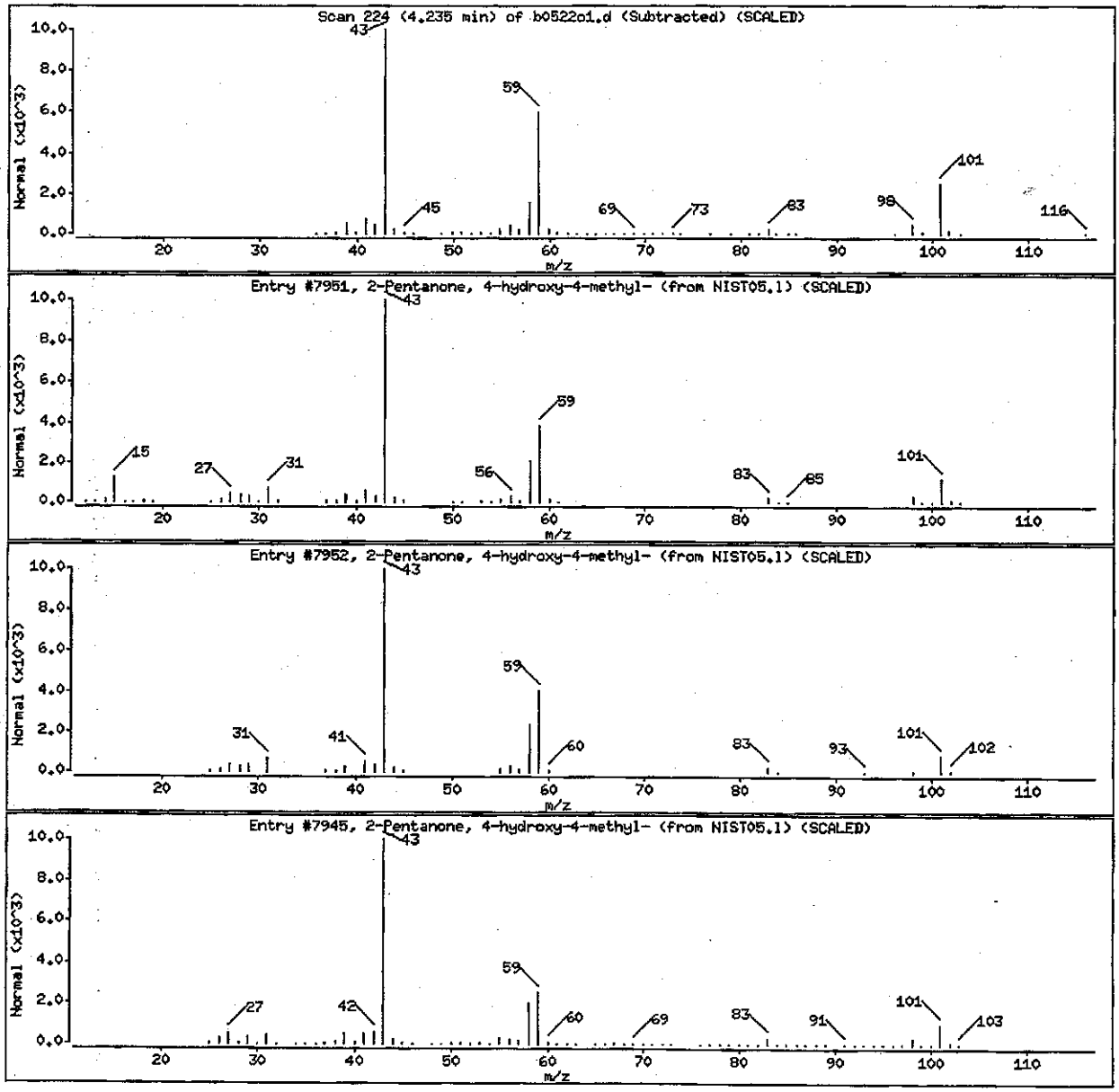
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7951	64	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7952	40	C6H12O2	116
2-Pentanone, 4-hydroxy-4-methyl-	123-42-2	NIST05.1	7945	38	C6H12O2	116



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/b0522o1.d

Page 9

Date : 26-MAY-2009 07:57

Client ID: SBLK01

Instrument: R.i

Sample Info: SBLK01

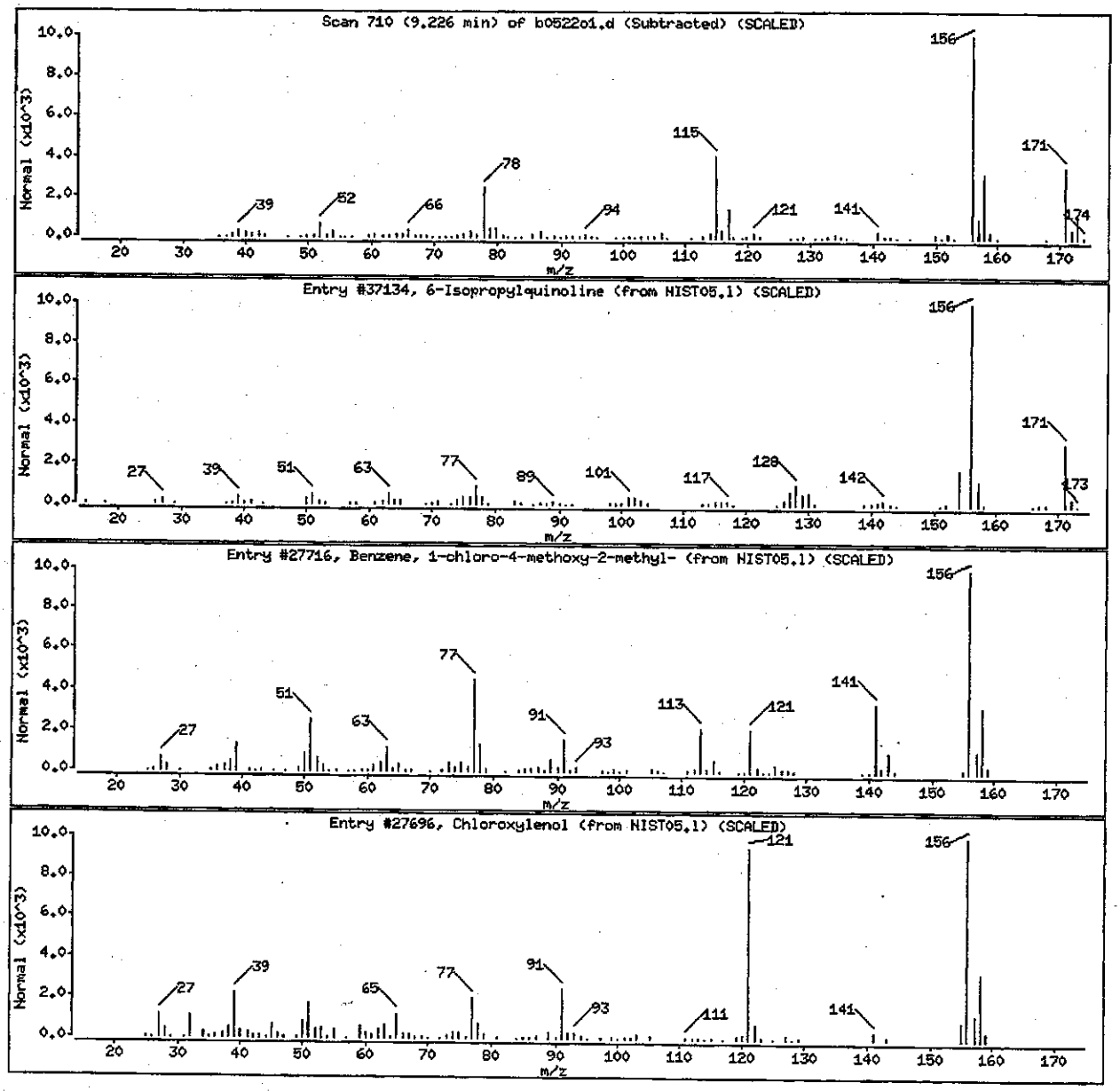
Volume Injected (uL): 2.0

Operator: djb

Column phase: Rxi-5ms

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
6-Isopropylquinoline	135-79-5	NIST05.1	37134	43	C12H13N	171
Benzene, 1-chloro-4-methoxy-2-methyl-	13334-71-9	NIST05.1	27716	43	C8H9ClO	156
Chloroxylenol	88-04-0	NIST05.1	27696	38	C8H9ClO	156

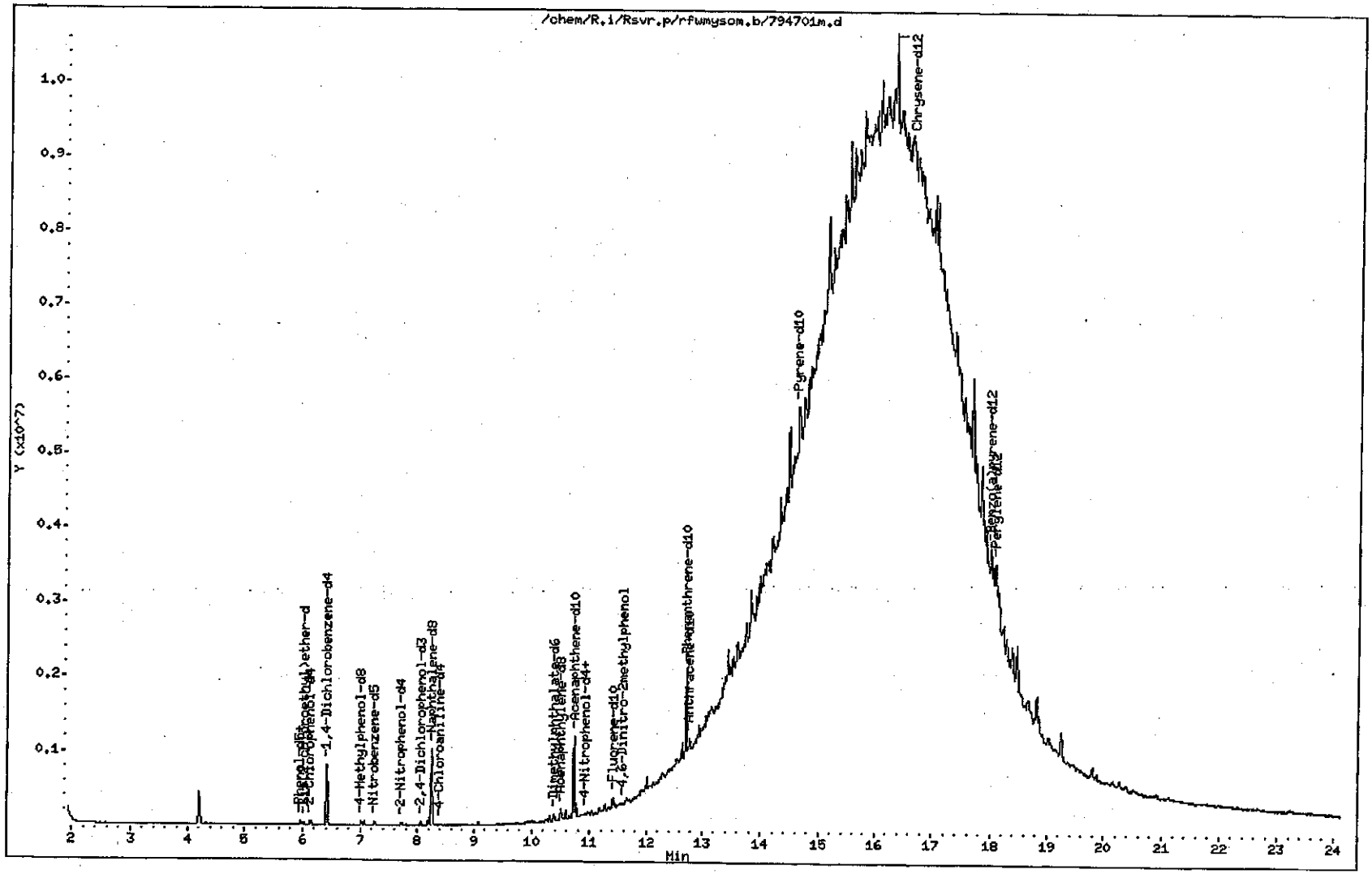


Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701m.d
Date : 26-MAY-2009 09:44
Client ID: E2QQ1HS
Sample Info: E2QQ1HS :[HS 105/05/09 @1125(SEDIMENT)
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 4

Instrument: R.i

Operator: djb
Column diameter: 0.25



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 794701M

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5400	U
108-95-2	Phenol	990	J
111-44-4	Bis(2-chloroethyl)ether	5400	U
95-57-8	2-Chlorophenol	1200	J
95-48-7	2-Methylphenol	5400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5400	U
98-86-2	Acetophenone	5400	U
106-44-5	4-Methylphenol	5400	U
621-64-7	N-Nitroso-di-n-propylamine	1400	J
67-72-1	Hexachloroethane	5400	U
98-95-3	Nitrobenzene	5400	U
78-59-1	Isophorone	5400	U
88-75-5	2-Nitrophenol	5400	U
105-67-9	2,4-Dimethylphenol	5400	U
111-91-1	Bis(2-chloroethoxy)methane	5400	U
120-83-2	2,4-Dichlorophenol	5400	U
91-20-3	Naphthalene	5400	U
106-47-8	4-Chloroaniline	5400	U
87-68-3	Hexachlorobutadiene	5400	U
105-60-2	Caprolactam	5400	U
59-50-7	4-Chloro-3-methylphenol	1400	J
91-57-6	2-Methylnaphthalene	5400	U
77-47-4	Hexachlorocyclopentadiene	5400	U
88-06-2	2,4,6-Trichlorophenol	5400	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	5400	U
91-58-7	2-Chloronaphthalene	5400	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5400	U
606-20-2	2,6-Dinitrotoluene	5400	U
208-96-8	Acenaphthylene	5400	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	2700	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 794701M

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	1600	J
132-64-9	Dibenzofuran	5400	U
121-14-2	2,4-Dinitrotoluene	900	J
84-66-2	Diethylphthalate	5400	U
86-73-7	Fluorene	5400	U
7005-72-3	4-Chlorophenyl-phenylether	5400	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5400	U
101-55-3	4-Bromophenyl-phenylether	5400	U
118-74-1	Hexachlorobenzene	5400	U
1912-24-9	Atrazine	5400	U
87-86-5	Pentachlorophenol	1200	J
85-01-8	Phenanthrene	5400	U
120-12-7	Anthracene	5400	U
86-74-8	Carbazole	5400	U
84-74-2	Di-n-butylphthalate	5400	U
206-44-0	Fluoranthene	1200	J
129-00-0	Pyrene	4100	J
85-68-7	Butylbenzylphthalate	5400	U
91-94-1	3,3'-Dichlorobenzidine	5400	U
56-55-3	Benzo(a)anthracene	5400	U
218-01-9	Chrysene	1500	J
117-81-7	Bis(2-ethylhexyl)phthalate	770	J
117-84-0	Di-n-octylphthalate	5400	U
205-99-2	Benzo(b)fluoranthene	2500	J
207-08-9	Benzo(k)fluoranthene	1900	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	5400	U
53-70-3	Dibenzo(a,h)anthracene	5400	U
191-24-2	Benzo(g,h,i)perylene	5400	U
58-90-2	2,3,4,6-Tetrachlorophenol	5400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/794701m.d
Lab Smp Id: 794701MS Client Smp ID: E2QQ1MS
Inj Date : 26-MAY-2009 09:44
Operator : djb Inst ID: R.i
Smp Info : E2QQ1MS :[MS]05/05/09 @1125(SEDIMENT)
Misc Info : 794701MS,2F5A_SBLKL8,10
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fsom12.m
Meth Date : 27-May-2009 09:05 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 4 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	29.52000	Weight of sample extracted (g)
M	68.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	4 Benzaldehyde	77	Compound Not Detected.					
$	5 Phenol-d5	71	5.961	5.977	(0.930)	7399	2.47682	1300(aQ)
	6 Phenol	94	5.982	5.987	(0.933)	18669	1.86747	990(aQR)
$	7 Bis(2-chloroethyl)ether-d8	67	6.023	6.028	(0.939)	15678	2.51467	1300(a)
	8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	9 2-Chlorophenol-d4	132	6.136	6.141	(0.957)	18472	2.33326	1200(a)
	10 2-Chlorophenol	128	6.156	6.162	(0.960)	16702	2.17466	1200(a)
*	11 1,4-Dichlorobenzene-d4	152	6.413	6.418	(1.000)	203567	40.0000	
	13 2-Methylphenol	108	Compound Not Detected.					
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	7.009	7.014	(1.093)	13423	2.15589	1100(a)
	16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701m.d
Report Date: 27-May-2009 09:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	17 4-Methylphenol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	7.070	7.076	(1.102)	14412	2.71043	1400(aR)
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	7.245	7.261	(0.878)	10333	2.79562	1500(a)
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	7.717	7.733	(0.935)	10106	2.50058	1300(a)
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	8.056	8.072	(0.976)	14378	2.29754	1200(a)
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.251	8.257	(1.000)	714528	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	8.385	8.390	(1.016)	2460	0.26929	140(a)
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	9.094	9.099	(1.102)	14391	2.62579	1400(a)
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	10.388	10.393	(0.968)	29862	2.39317	1300(aR)
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	10.490	10.506	(0.978)	62511	3.55129	1900(a)
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.726	10.732	(1.000)	338217	40.0000	
	52 Acenaphthene	153	10.768	10.773	(1.004)	53764	5.02365	2700(a)
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	10.911	10.927	(1.017)	6829	2.16930	1100(aM)
	55 4-Nitrophenol	109	10.922	10.927	(1.018)	4744	3.06961	1600(aQH)
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	11.035	11.040	(1.029)	6821	1.69873	900(aQRH)
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	11.415	11.420	(1.064)	41153	3.84640	2000(a)
	61 Fluorene	166	Compound Not Detected.					
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	11.569	11.574	(0.910)	3014	1.39173	740(aQ)
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701m.d
Report Date: 27-May-2009 09:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	266	12.544	12.550	(0.987)	4906	2.18919	1200(a)
*	71 Phenanthrene-d10	188	12.709	12.714	(1.000)	553739	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	12.770	12.776	(1.005)	68262	4.22017	2200(a)
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	14.342	14.347	(1.128)	37569	2.34561	1200(a)
$	78 Pyrene-d10	212	14.619	14.614	(0.897)	67645	3.45128	1800(aR)
	79 Pyrene	202	14.650	14.645	(0.899)	188862	7.65723	4100(a)
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.293	16.268	(1.000)	703668	40.0000	
	84 Chrysene	228	16.314	16.299	(1.001)	55353	2.89294	1500(aQ)
	85 Bis(2-ethylhexyl)phthalate	149	16.385	16.360	(1.006)	23749	1.44580	770(a)
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	17.628	17.603	(0.975)	31786	4.75170	2500(aMH)
	88 Benzo(k)fluoranthene	252	17.638	17.634	(0.976)	30392	3.58580	1900(aQM)
$	89 Benzo(a)pyrene-d12	264	17.988	17.962	(0.995)	27556	4.96200	2600(a)
	90 Benzo(a)pyrene	252	18.008	17.993	(0.996)	19321	2.95894	1600(aQ)
*	91 Perylene-d12	264	18.080	18.065	(1.000)	228923	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

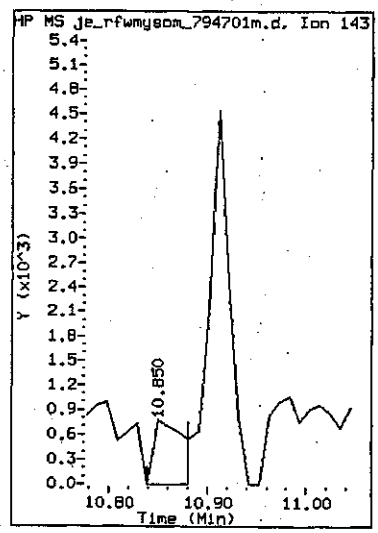
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

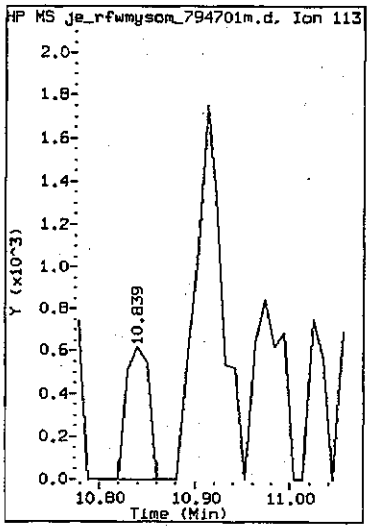
MANUAL INTEGRATION REPORT

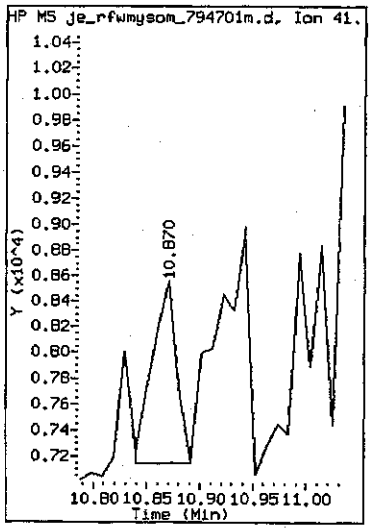
Data File Name: 794701m.d
Client Sample ID: E2QQ1MS
Compound Name: 4-Nitrophenol-d4

Inj. Date and Time: 26-MAY-2009 09:44
Instrument ID: R.i
CAS #: 93951-79-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 10:42

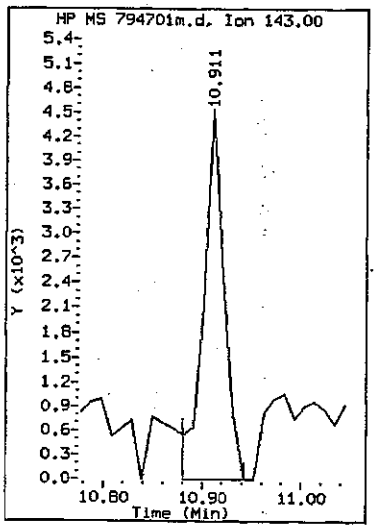


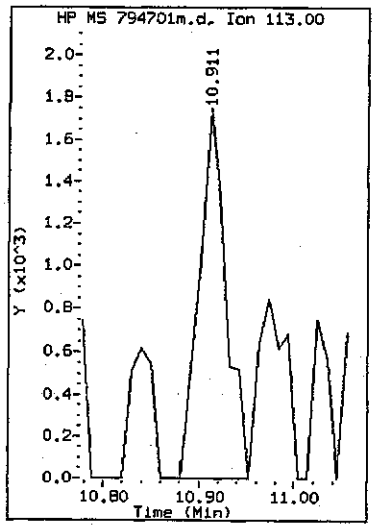


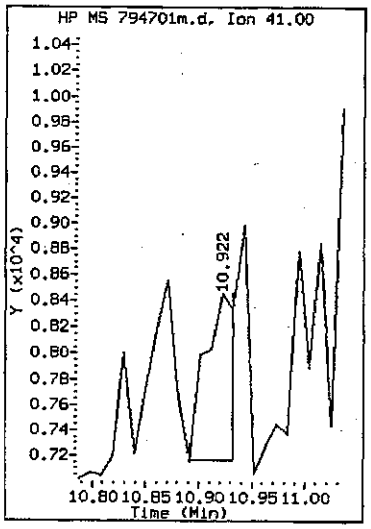


Original Integrations:

Area = 1629 Area = 1030 Area = 2226







Final Integrations:

Area = 6829 Area = 3498 Area = 2549

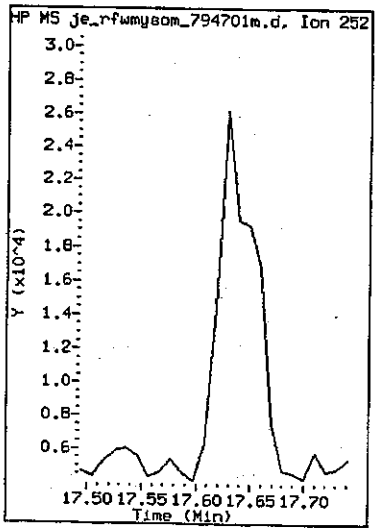
Manual Integration Reason: MI3 - Mis-identification of peak

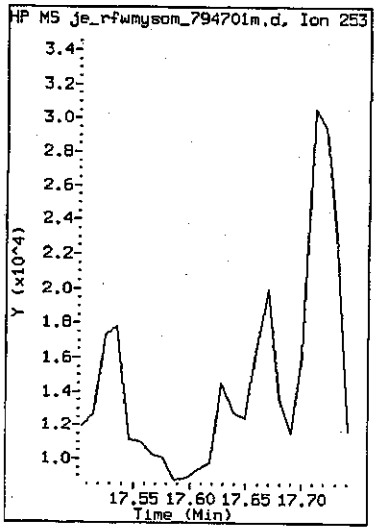
MANUAL INTEGRATION REPORT

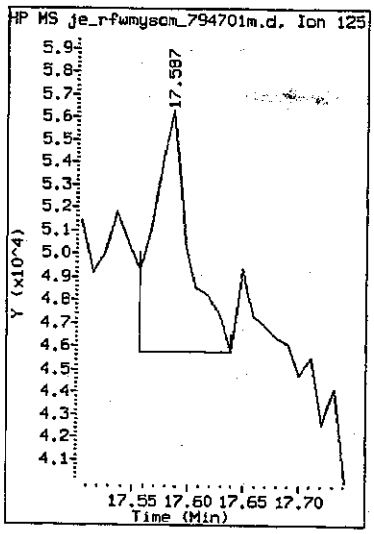
Data File Name: 794701m.d
Client Sample ID: E2QQ1MS
Compound Name: Benzo(b)fluoranthene

Inj. Date and Time: 26-MAY-2009 09:44
Instrument ID: R.i
CAS #: 205-99-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 10:42

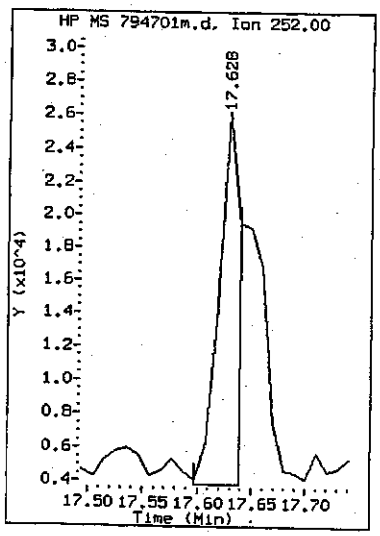


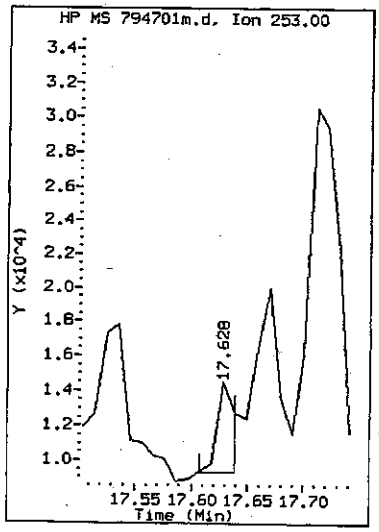


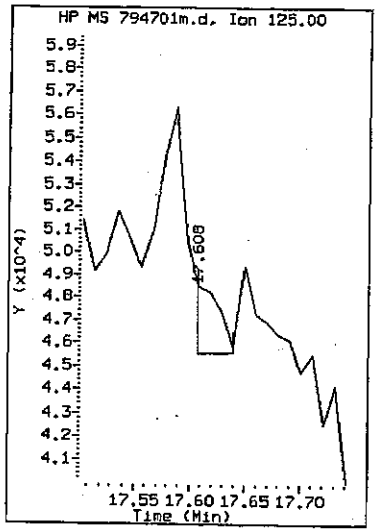


Original Integrations:

Area = 10431 Area = 15252 Area = 24482







Final Integrations:

Area = 31786 Area = 5716 Area = 4730

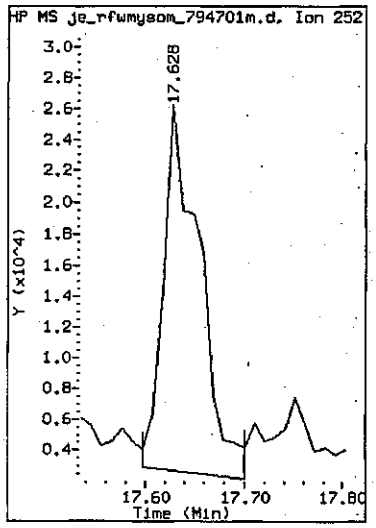
Manual Integration Reason: MI1 - Poor automated baseline

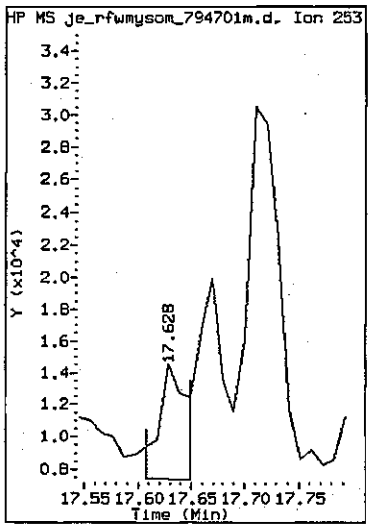
MANUAL INTEGRATION REPORT

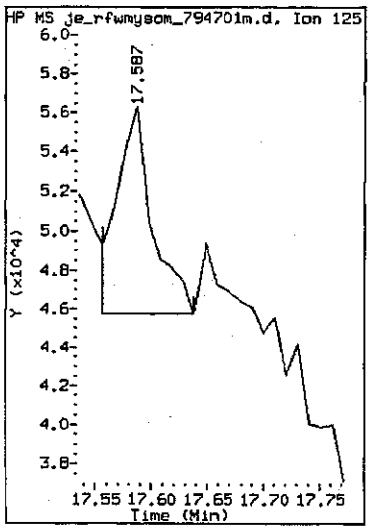
Data File Name: 794701m.d
Client Sample ID: E2QQ1MS
Compound Name: Benzo(k)fluoranthene

Inj. Date and Time: 26-MAY-2009 09:44
Instrument ID: R.i
CAS #: 207-08-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 10:42

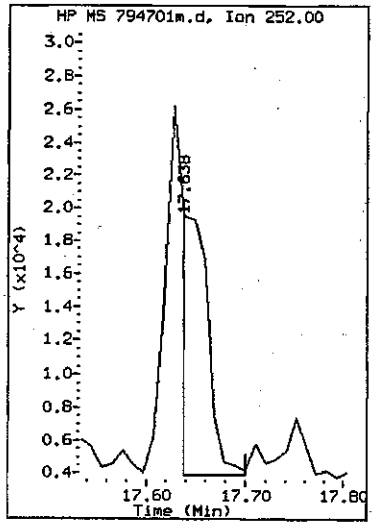


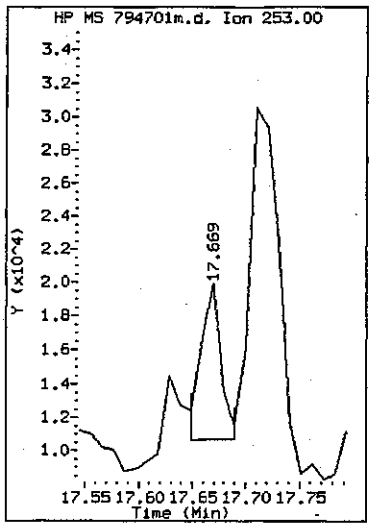


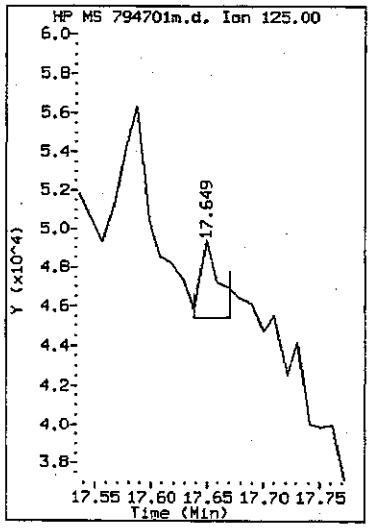


Original Integrations:

Area = 60993 Area = 13392 Area = 24482







Final Integrations:

Area = 30392 Area = 12796 Area = 4639

Manual Integration Reason: MI1 - Poor automated baseline

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 794701S

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5400	U
108-95-2	Phenol	1700	J
111-44-4	Bis(2-chloroethyl)ether	5400	U
95-57-8	2-Chlorophenol	1900	J
95-48-7	2-Methylphenol	5400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5400	U
98-86-2	Acetophenone	5400	U
106-44-5	4-Methylphenol	5400	U
621-64-7	N-Nitroso-di-n-propylamine	1700	J
67-72-1	Hexachloroethane	5400	U
98-95-3	Nitrobenzene	5400	U
78-59-1	Isophorone	5400	U
88-75-5	2-Nitrophenol	5400	U
105-67-9	2,4-Dimethylphenol	5400	U
111-91-1	Bis(2-chloroethoxy)methane	5400	U
120-83-2	2,4-Dichlorophenol	5400	U
91-20-3	Naphthalene	5400	U
106-47-8	4-Chloroaniline	5400	U
87-68-3	Hexachlorobutadiene	5400	U
105-60-2	Caprolactam	5400	U
59-50-7	4-Chloro-3-methylphenol	1800	J
91-57-6	2-Methylnaphthalene	5400	U
77-47-4	Hexachlorocyclopentadiene	5400	U
88-06-2	2,4,6-Trichlorophenol	5400	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	5400	U
91-58-7	2-Chloronaphthalene	5400	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5400	U
606-20-2	2,6-Dinitrotoluene	5400	U
208-96-8	Acenaphthylene	5400	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	2300	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 794701S

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	2700	J
132-64-9	Dibenzofuran	5400	U
121-14-2	2,4-Dinitrotoluene	1300	J
84-66-2	Diethylphthalate	5400	U
86-73-7	Fluorene	5400	U
7005-72-3	4-Chlorophenyl-phenylether	5400	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5400	U
101-55-3	4-Bromophenyl-phenylether	5400	U
118-74-1	Hexachlorobenzene	5400	U
1912-24-9	Atrazine	5400	U
87-86-5	Pentachlorophenol	1500	J
85-01-8	Phenanthrene	640	J
120-12-7	Anthracene	5400	U
86-74-8	Carbazole	5400	U
84-74-2	Di-n-butylphthalate	5400	U
206-44-0	Fluoranthene	1500	J
129-00-0	Pyrene	3700	J
85-68-7	Butylbenzylphthalate	5400	U
91-94-1	3,3'-Dichlorobenzidine	5400	U
56-55-3	Benzo(a)anthracene	5400	U
218-01-9	Chrysene	2000	J
117-81-7	Bis(2-ethylhexyl)phthalate	5400	U
117-84-0	Di-n-octylphthalate	5400	U
205-99-2	Benzo(b)fluoranthene	3000	J
207-08-9	Benzo(k)fluoranthene	1500	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	5400	U
53-70-3	Dibenzo(a,h)anthracene	5400	U
191-24-2	Benzo(g,h,i)perylene	5400	U
58-90-2	2,3,4,6-Tetrachlorophenol	5400	U

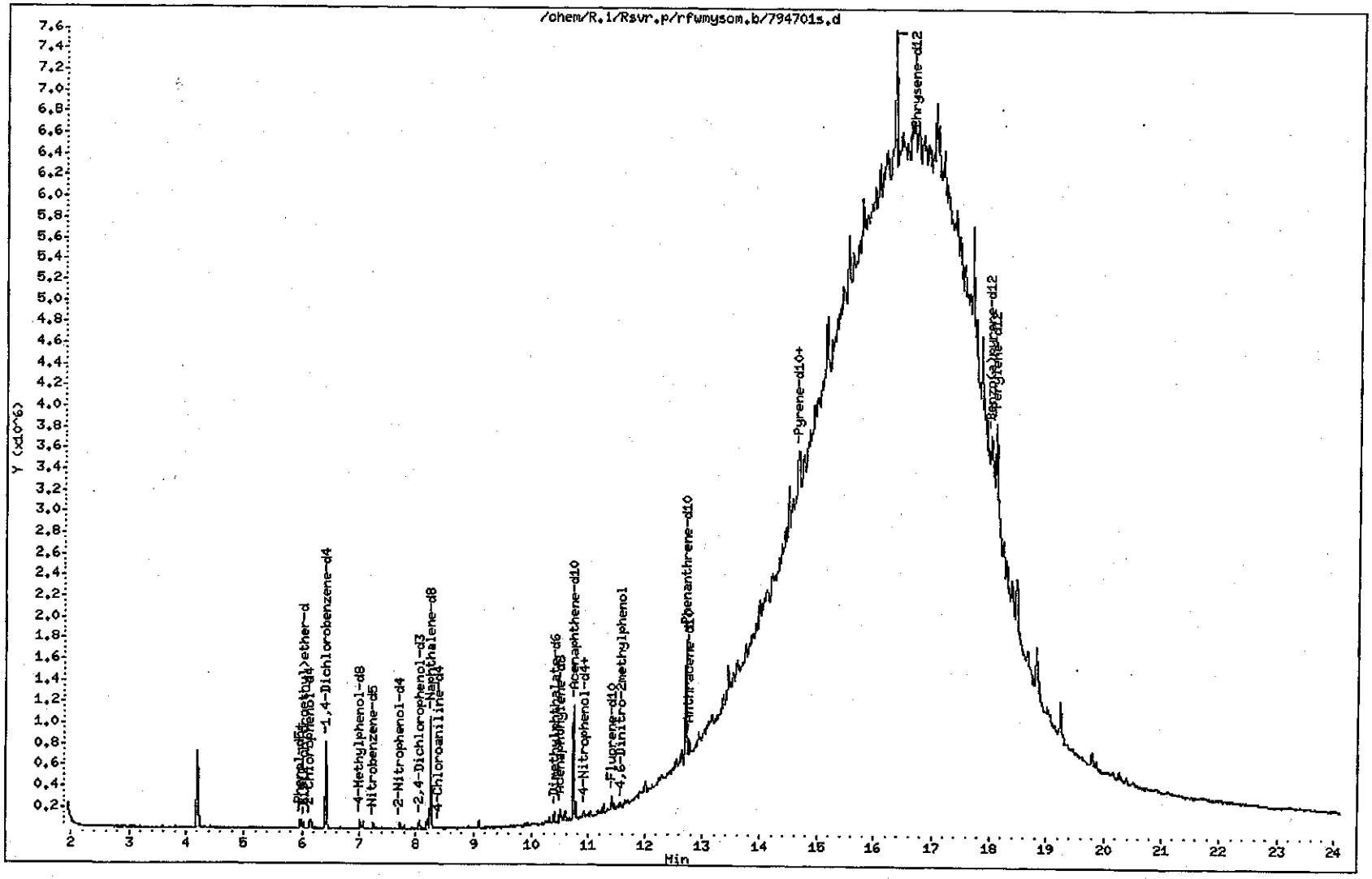
(1) - Cannot be separated from Diphenylamine

SOM01.2

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701s.d
Date : 26-MAY-2009 10:19
Client ID: E2QQ1HSD
Sample Info: E2QQ1HSD :[HSD]05/05/09 @1125(SEDIMENT)
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25

Page 4



Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701s.d Page 1
Report Date: 27-May-2009 09:14

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmysom.b/794701s.d
Lab Smp Id: 794701MD Client Smp ID: E2QQ1MSD
Inj Date : 26-MAY-2009 10:19
Operator : djb Inst ID: R.i
Smp Info : E2QQ1MSD :[MSD]05/05/09 @1125(SEDIMENT)
Misc Info : 794701MD,2F5A_SBLKL8,10
Comment :
Method : /chem/R.i/Rsvr.p/rfwmysom.b/fsom12.m
Meth Date : 27-May-2009 09:05 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 5 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	29.69000	Weight of sample extracted (g)
M	68.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	4 Benzaldehyde	77	Compound Not Detected.					
$	5 Phenol-d5	71	5.961	5.977	(0.930)	11960	4.05729	2100(aQ)
	6 Phenol	94	5.981	5.987	(0.933)	32568	3.30147	1700(aQ)
$	7 Bis(2-chloroethyl)ether-d8	67	6.022	6.028	(0.939)	18506	3.00806	1600(a)
	8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	9 2-Chlorophenol-d4	132	6.135	6.141	(0.957)	27524	3.52326	1900(a)
	10 2-Chlorophenol	128	6.156	6.162	(0.960)	26842	3.54178	1900(a)
*	11 1,4-Dichlorobenzene-d4	152	6.413	6.418	(1.000)	200874	40.0000	
	13 2-Methylphenol	108	Compound Not Detected.					
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	7.008	7.014	(1.093)	20629	3.35768	1800(a)
	16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701s.d
Report Date: 27-May-2009 09:14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
17 4-Methylphenol	108	Compound Not Detected.					
19 N-Nitroso-di-n-propylamine	70	7.070	7.076	(1.103)	16908	3.22248	1700(aR)
20 Hexachloroethane	116	Compound Not Detected.					
$ 21 Nitrobenzene-d5	128	7.245	7.261	(0.878)	13146	3.59053	1900(a)
22 Nitrobenzene	77	Compound Not Detected.					
23 Isophorone	82	Compound Not Detected.					
$ 24 2-Nitrophenol-d4	143	7.717	7.733	(0.935)	11427	2.85436	1500(a)
25 2-Nitrophenol	139	Compound Not Detected.					
26 2,4-Dimethylphenol	107	Compound Not Detected.					
27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$ 28 2,4-Dichlorophenol-d3	165	8.056	8.072	(0.976)	20717	3.34199	1800(a)
29 2,4-Dichlorophenol	162	Compound Not Detected.					
* 30 Naphthalene-d8	136	8.251	8.257	(1.000)	707791	40.0000	
31 Naphthalene	128	Compound Not Detected.					
$ 32 4-Chloroaniline-d4	131	8.385	8.390	(1.016)	2890	0.31937	170(aQ)
33 4-Chloroaniline	127	Compound Not Detected.					
34 Hexachlorobutadiene	224	Compound Not Detected.					
35 Caprolactam	113	Compound Not Detected.					
36 4-Chloro-3-methylphenol	107	9.093	9.099	(1.102)	18185	3.34963	1800(a)
37 2-Methylnaphthalene	142	Compound Not Detected.					
38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
42 1,1'-Biphenyl	154	Compound Not Detected.					
43 2-Chloronaphthalene	162	Compound Not Detected.					
44 2-Nitroaniline	65	Compound Not Detected.					
$ 45 Dimethylphthalate-d6	166	10.387	10.393	(0.968)	44864	3.66590	1900(a)
46 Dimethylphthalate	163	Compound Not Detected.					
$ 47 Acenaphthylene-d8	160	10.490	10.506	(0.978)	59180	3.42793	1800(a)
48 Acenaphthylene	152	Compound Not Detected.					
49 2,6-Dinitrotoluene	165	Compound Not Detected.					
50 3-Nitroaniline	138	Compound Not Detected.					
* 51 Acenaphthene-d10	164	10.726	10.732	(1.000)	331717	40.0000	
52 Acenaphthene	153	10.767	10.773	(1.004)	45208	4.30696	2300(a)
53 2,4-Dinitrophenol	184	Compound Not Detected.					
$ 54 4-Nitrophenol-d4	143	10.911	10.927	(1.017)	12239	3.96403	2100(a)
55 4-Nitrophenol	109	10.921	10.927	(1.018)	7788	5.13798	2700(aQM)
56 Dibenzofuran	168	Compound Not Detected.					
57 2,4-Dinitrotoluene	165	11.034	11.040	(1.029)	9710	2.46561	1300(a)
58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
59 Diethylphthalate	149	Compound Not Detected.					
$ 60 Fluorene-d10	176	11.414	11.420	(1.064)	37374	3.56164	1900(a)
61 Fluorene	166	Compound Not Detected.					
62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
63 4-Nitroaniline	138	Compound Not Detected.					
$ 64 4,6-Dinitro-2methylphenol-d2	200	11.579	11.574	(0.911)	2279	1.08792	570(aQ)
65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmysom.b/794701s.d
Report Date: 27-May-2009 09:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	266	12.544	12.550	(0.987)	6214	2.86661	1500(a)
*	71 Phenanthrene-d10	188	12.708	12.714	(1.000)	535627	40.0000	
	72 Phenanthrene	178	12.739	12.745	(1.002)	19563	1.21799	640(a)
$	73 Anthracene-d10	188	12.770	12.776	(1.005)	63033	4.02867	2100(a)
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	14.341	14.347	(1.128)	45384	2.92935	1500(a)
$	78 Pyrene-d10	212	14.619	14.614	(0.898)	58516	3.11178	1600(aR)
	79 Pyrene	202	14.639	14.645	(0.899)	167965	7.09800	3700(a)
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.283	16.268	(1.000)	675115	40.0000	
	84 Chrysene	228	16.303	16.299	(1.001)	69512	3.78659	2000(aQ)
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	17.628	17.603	(0.975)	63160	5.60969	3000(aM)
	88 Benzo(k)fluoranthene	252	17.638	17.634	(0.976)	39694	2.78250	1500(aM)
$	89 Benzo(a)pyrene-d12	264	17.977	17.962	(0.994)	36390	3.89320	2000(a)
	90 Benzo(a)pyrene	252	18.008	17.993	(0.996)	34271	3.11830	1600(aQ)
*	91 Perylene-d12	264	18.080	18.065	(1.000)	385306	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

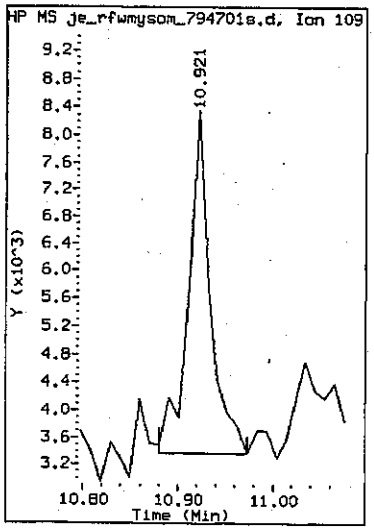
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

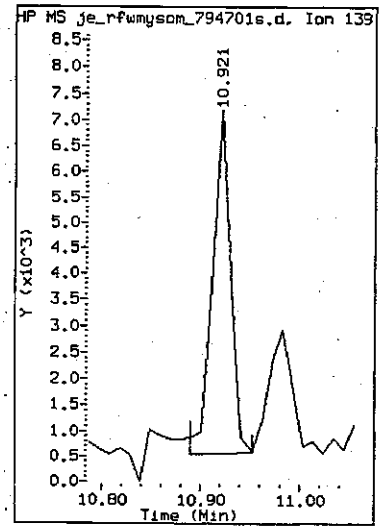
MANUAL INTEGRATION REPORT

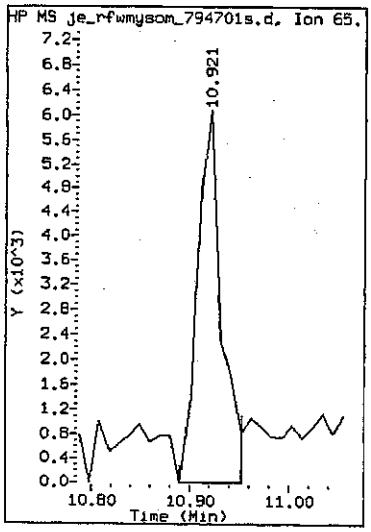
Data File Name: 794701s.d
Client Sample ID: E2QQ1MSD
Compound Name: 4-Nitrophenol

Inj. Date and Time: 26-MAY-2009 10:19
Instrument ID: R.i
CAS #: 100-02-7

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 09:14

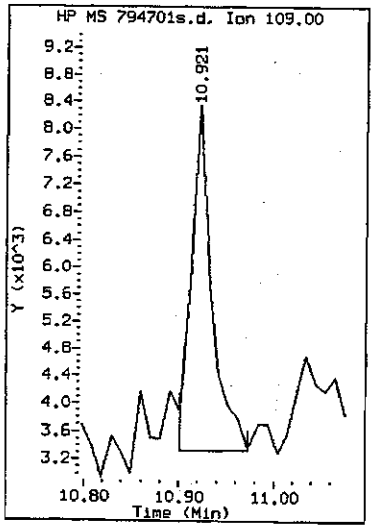


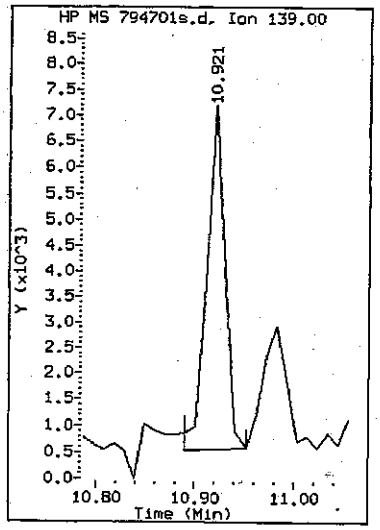


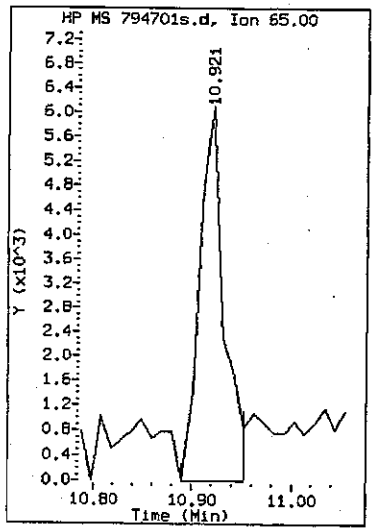


Original Integrations:

Area = 8221 Area = 8662 Area = 10583







Final Integrations:

Area = 7788 Area = 8662 Area = 10583

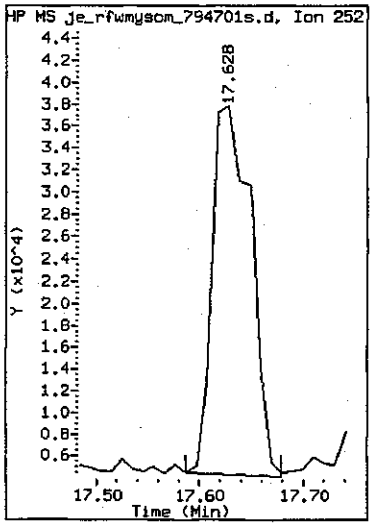
Manual Integration Reason: MI1 - Poor automated baseline

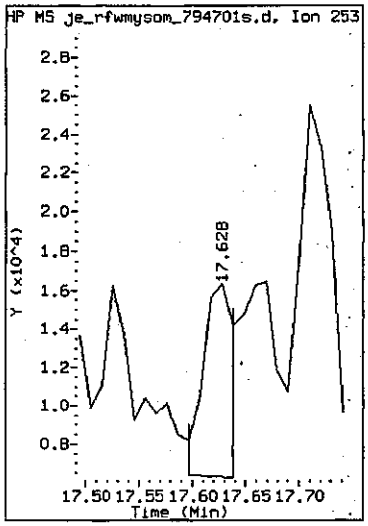
MANUAL INTEGRATION REPORT

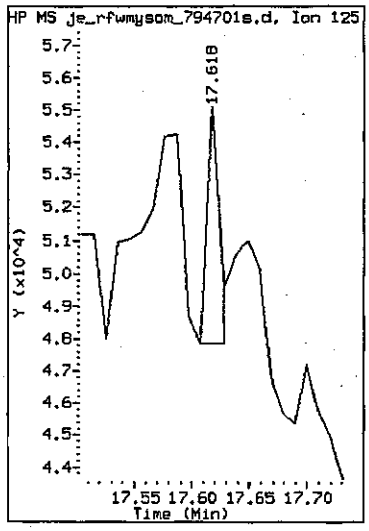
Data File Name: 794701s.d
Client Sample ID: E2QQ1MSD
Compound Name: Benzo(b)fluoranthene

Inj. Date and Time: 26-MAY-2009 10:19
Instrument ID: R.i
CAS #: 205-99-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 09:14

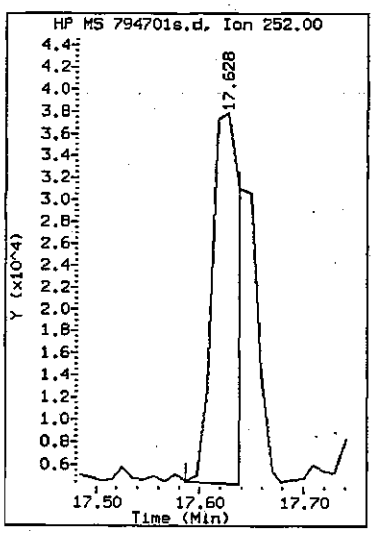


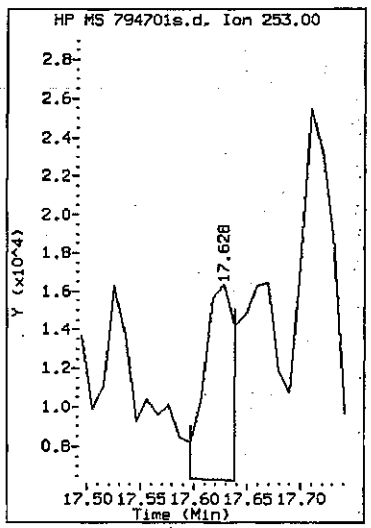


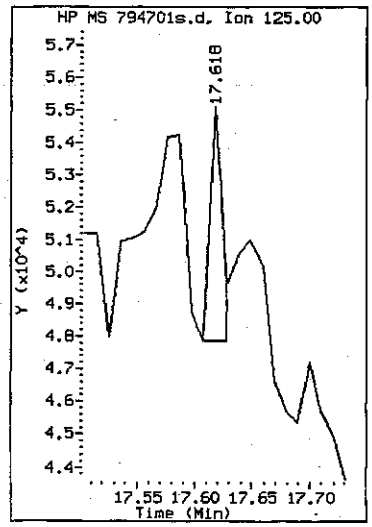


Original Integrations:

Area = 86635 Area = 20548 Area = 5543







Final Integrations:

Area = 63160 Area = 20548 Area = 5543

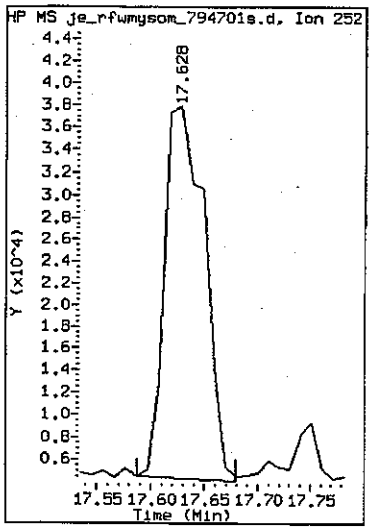
Manual Integration Reason: MI1 - Poor automated baseline

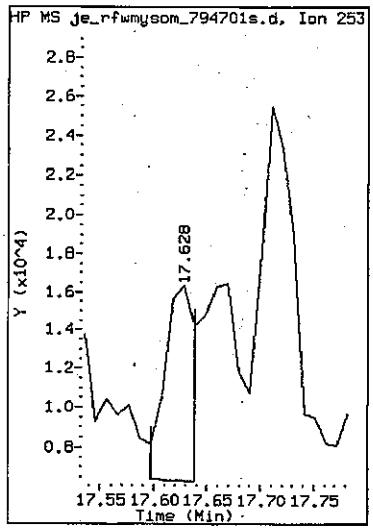
MANUAL INTEGRATION REPORT

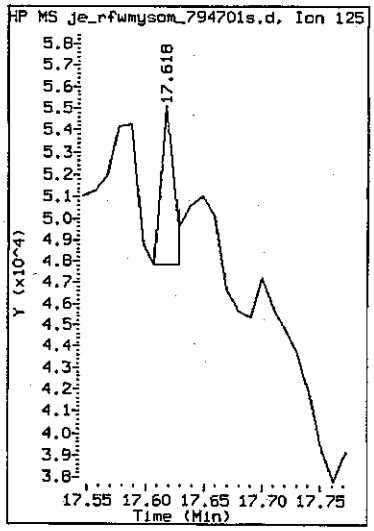
Data File Name: 794701s.d
Client Sample ID: E2QQ1MSD
Compound Name: Benzo(k)fluoranthene

Inj. Date and Time: 26-MAY-2009 10:19
Instrument ID: R.i
CAS #: 207-08-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/27/2009 09:14

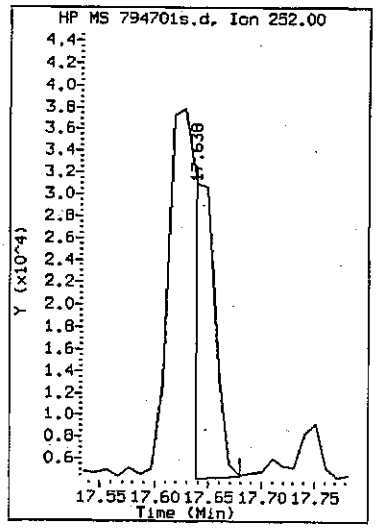


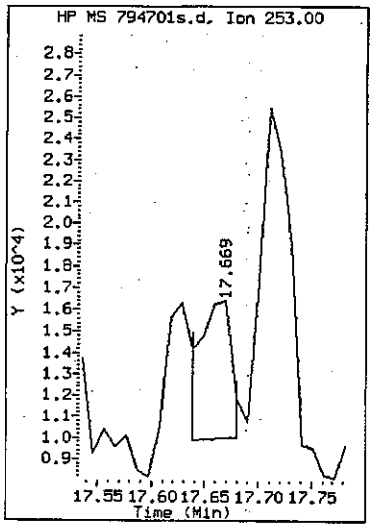


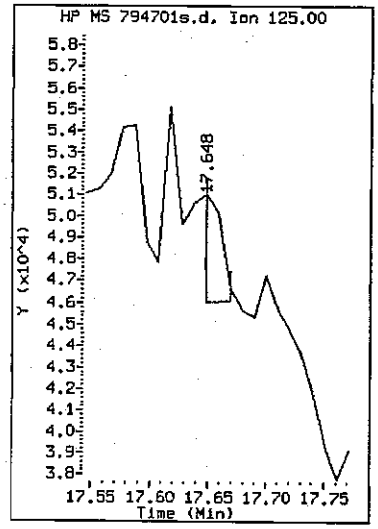


Original Integrations:

Area = 86635 Area = 20548 Area = 5543







Final Integrations:

Area = 39694 Area = 14593 Area = 5862

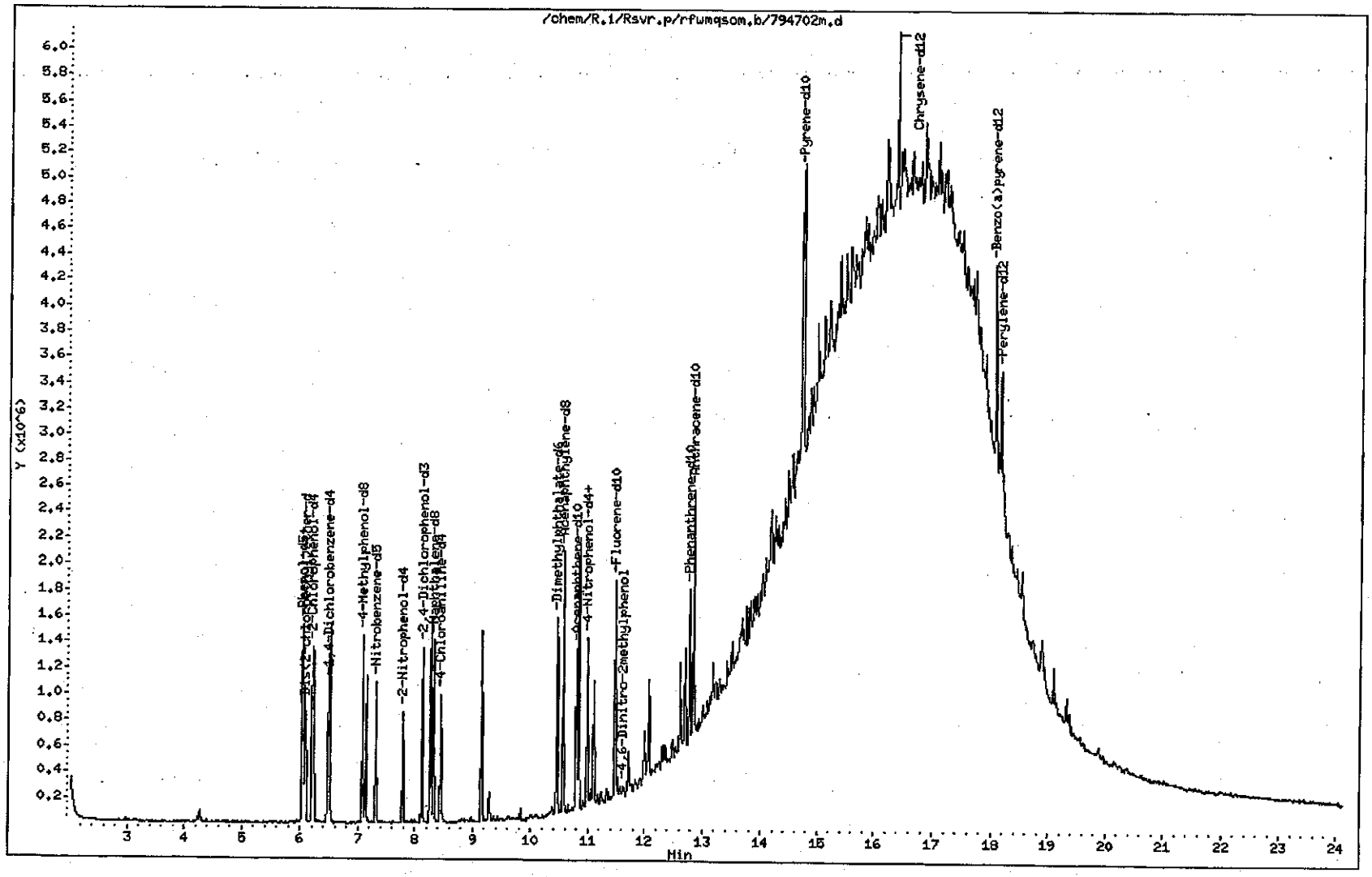
Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794702m.d
Date : 22-MAY-2009 14:43
Client ID: E2QQ2HS
Sample Info: E2QQ2MS :[MS J05/05/09 @1140(SEDIMENT)
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 1

Instrument: R.i

Operator: djb
Column diameter: 0.25



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MS

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702M

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	87000	
111-44-4	Bis(2-chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	96000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	95000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	Bis(2-chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	94000	
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	17000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	100000	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MS

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702M

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	98000	
132-64-9	Dibenzofuran	2600	J
121-14-2	2,4-Dinitrotoluene	84000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	4700	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	17000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	73000	
85-01-8	Phenanthrene	17000	U
120-12-7	Anthracene	17000	U
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	4000	J
129-00-0	Pyrene	77000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	17000	U
218-01-9	Chrysene	4000	J
117-81-7	Bis(2-ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	17000	U
207-08-9	Benzo(k)fluoranthene	17000	U
50-32-8	Benzo(a)pyrene	17000	U
193-39-5	Indeno(1,2,3-cd)pyrene	17000	U
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	17000	U
58-90-2	2,3,4,6-Tetrachlorophenol	17000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/794702m.d
Lab Smp Id: 794702MS Client Smp ID: E2QQ2MS
Inj Date : 22-MAY-2009 14:43
Operator : djb Inst ID: R.i
Smp Info : E2QQ2MS :[MS]05/05/09 @1140(SEDIMENT)
Misc Info : 794702MS,2F5A_SBLKM4,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:45 je Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37 Cal File: rfw160.d
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	71.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
4 Benzaldehyde	77	Compound Not Detected.					
$ 5 Phenol-d5	71	6.029	6.030	(0.930)	199239	55.2428	95000
6 Phenol	94	6.049	6.050	(0.933)	608644	50.4286	87000(Q)
$ 7 Bis(2-chloroethyl)ether-d8	67	6.080	6.091	(0.938)	363919	48.3476	83000
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 9 2-Chlorophenol-d4	132	6.203	6.204	(0.957)	540440	56.5428	97000
10 2-Chlorophenol	128	6.224	6.225	(0.960)	514457	55.4820	96000
* 11 1,4-Dichlorobenzene-d4	152	6.480	6.481	(1.000)	245769	40.0000	
13 2-Methylphenol	108	Compound Not Detected.					
14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$ 15 4-Methylphenol-d8	113	7.076	7.077	(1.092)	417106	55.4886	96000
16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794702m.d
Report Date: 26-May-2009 17:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	17 4-Methylphenol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	7.138	7.139	(1.101)	355343	55.3531	95000
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	7.312	7.313	(0.879)	257324	56.2798	97000
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	7.785	7.786	(0.936)	257481	51.5025	89000
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	8.124	8.125	(0.977)	403413	52.1117	90000
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.319	8.320	(1.000)	883890	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	8.442	8.443	(1.015)	441987	39.1124	67000
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	9.151	9.152	(1.100)	369051	54.4348	94000
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	10.445	10.456	(0.969)	830277	55.2582	95000
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	10.558	10.559	(0.979)	1098790	51.8398	89000
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.784	10.795	(1.000)	407264	40.0000	
	52 Acenaphthene	153	10.835	10.836	(1.005)	753866	58.4980	100000
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	10.979	10.980	(1.018)	198709	52.4203	90000
	55 4-Nitrophenol	109	10.989	10.990	(1.019)	106082	57.0033	98000
	56 Dibenzofuran	168	11.041	11.052	(1.024)	27494	1.53109	2600(aM)
	57 2,4-Dinitrotoluene	165	11.092	11.103	(1.029)	235522	48.7111	84000
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	11.472	11.483	(1.064)	636123	49.3757	85000
	61 Fluorene	166	11.513	11.514	(1.068)	40252	2.70090	4700(a)
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	11.636	11.637	(0.912)	4741	1.89651	3300(aQ)
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794702m.d
Report Date: 26-May-2009 17:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	266	12.612	12.613	(0.988)	109554	42.3504	73000
*	71 Phenanthrene-d10	188	12.766	12.767	(1.000)	639191	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	12.838	12.839	(1.006)	924295	49.5035	85000
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	14.409	14.400	(1.129)	42493	2.29836	4000(aM)
$	78 Pyrene-d10	212	14.687	14.677	(0.899)	820767	38.4366	66000(R)
	79 Pyrene	202	14.707	14.698	(0.900)	1206109	44.8843	77000
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.340	16.320	(1.000)	766632	40.0000	
	84 Chrysene	228	16.361	16.362	(1.001)	48485	2.32588	4000(aQ)
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	18.045	18.025	(0.994)	693296	52.0144	90000
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.148	18.128	(1.000)	549446	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

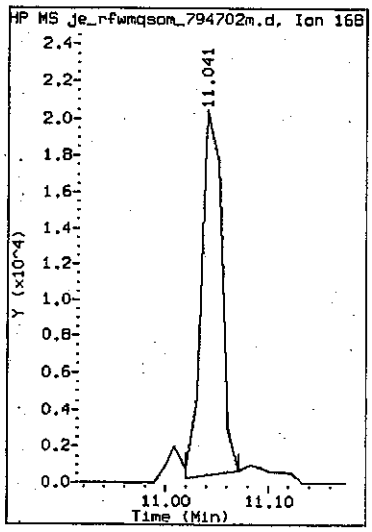
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

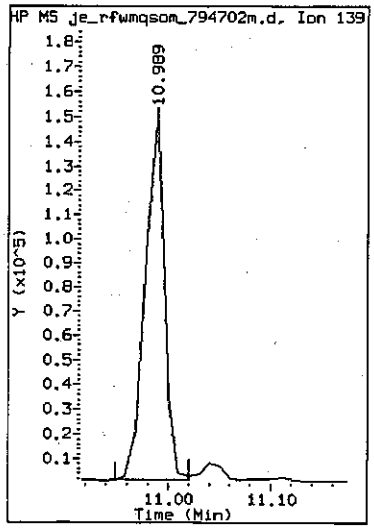
MANUAL INTEGRATION REPORT

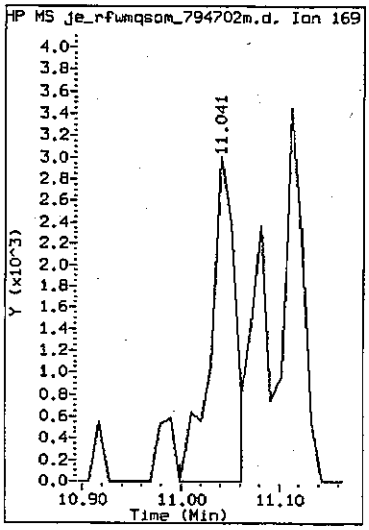
Data File Name: 794702m.d
Client Sample ID: E2QQ2MS
Compound Name: Dibenzofuran

Inj. Date and Time: 22-MAY-2009 14:43
Instrument ID: R.i
CAS #: 132-64-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 17:09

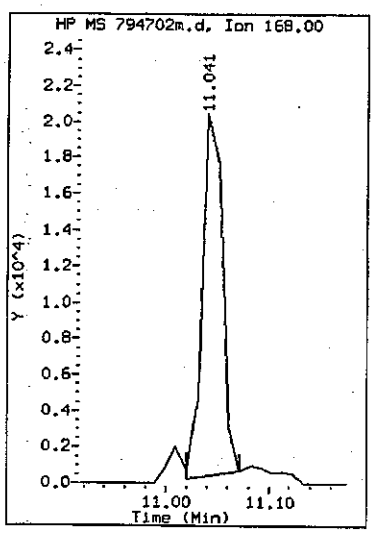


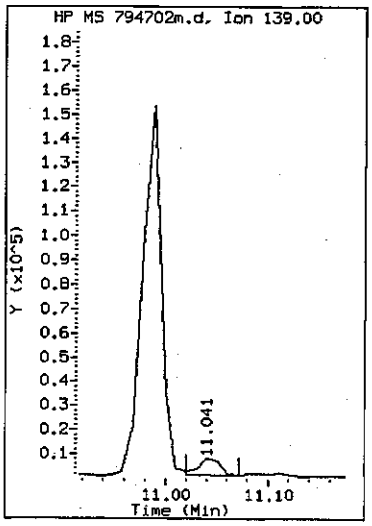


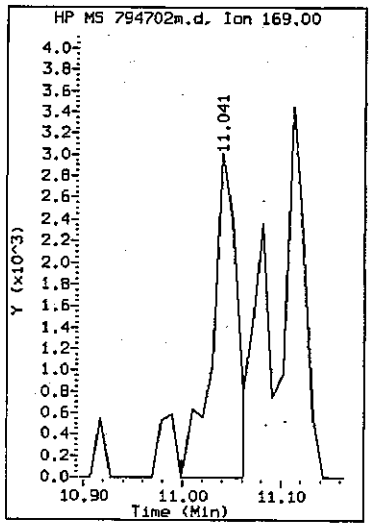


Original Integrations:

Area = 27494 Area = 192851 Area = 5193







Final Integrations:

Area = 27494 Area = 10647 Area = 5193

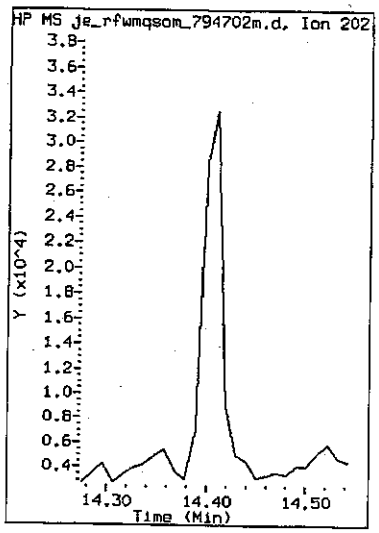
Manual Integration Reason: MI3 - Mis-identification of peak

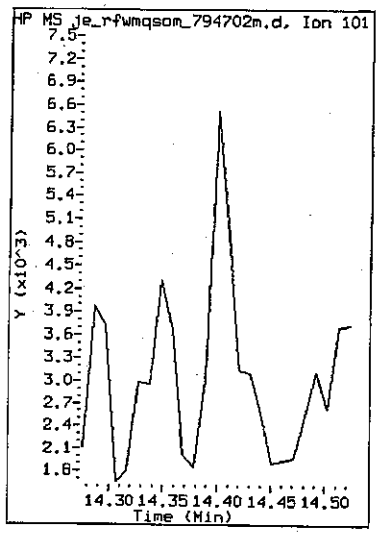
MANUAL INTEGRATION REPORT

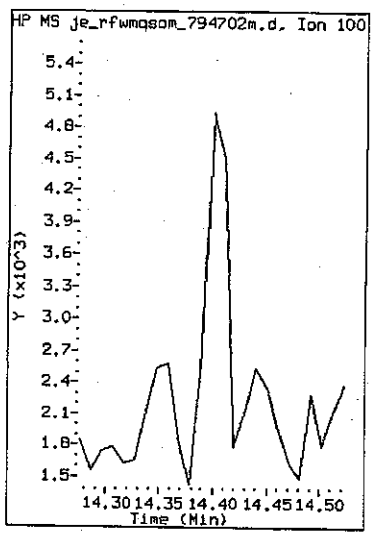
Data File Name: 794702m.d
Client Sample ID: E2QQ2MS
Compound Name: Fluoranthene

Inj. Date and Time: 22-MAY-2009 14:43
Instrument ID: R.i
CAS #: 206-44-0

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 17:09

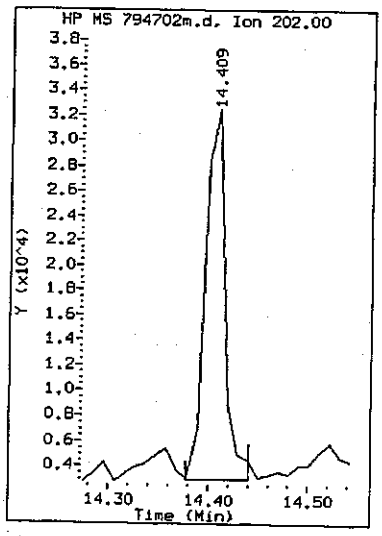


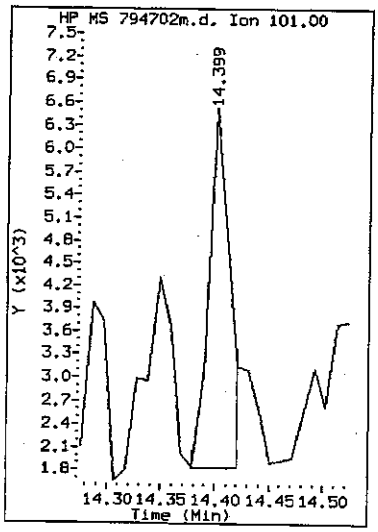


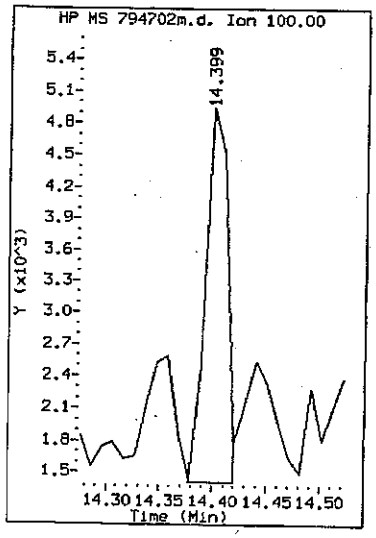


Original Integrations:

Area = 1206109 Area = 187587 Area = 159539







Final Integrations:

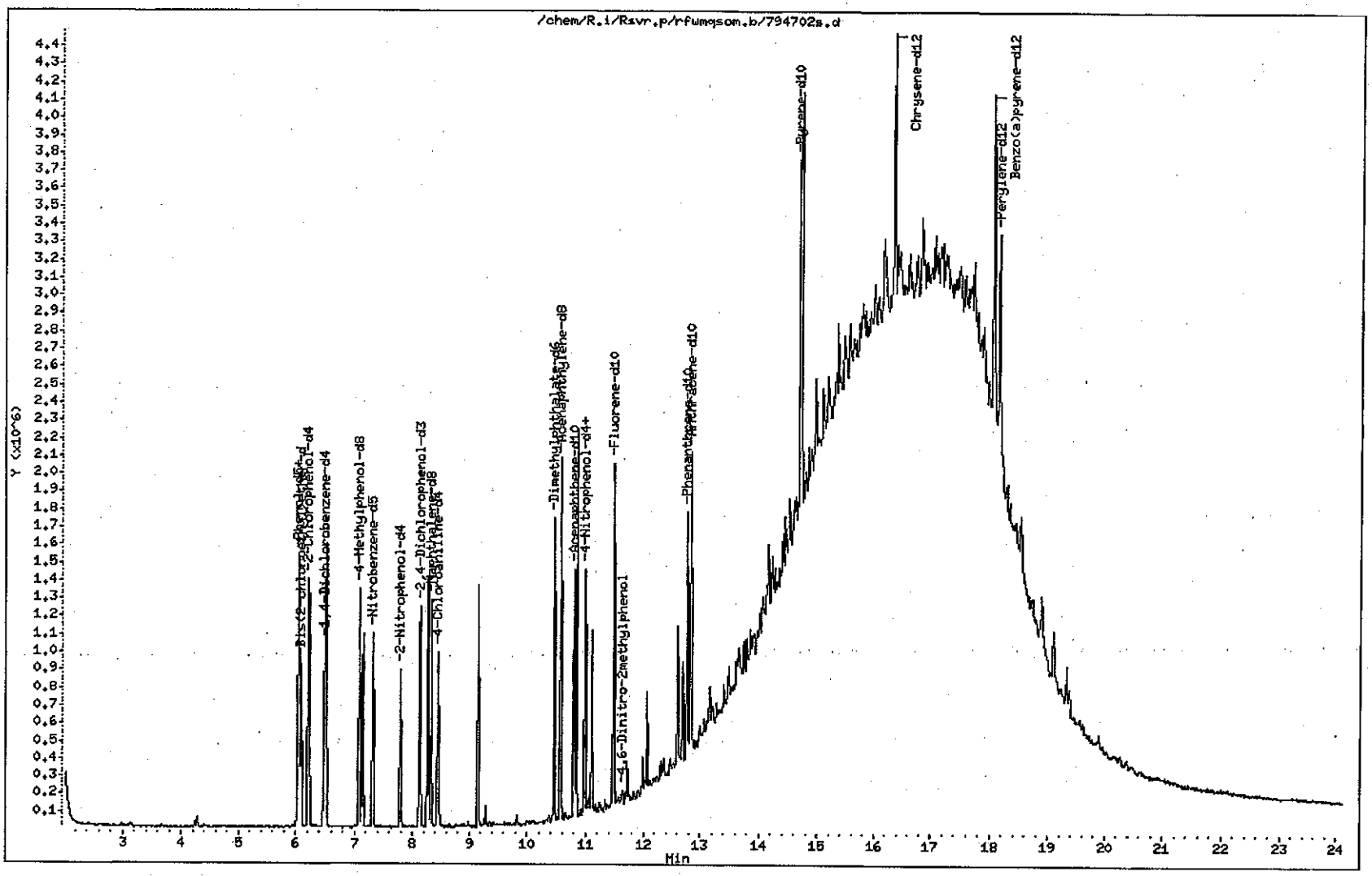
Area = 42493 Area = 6343 Area = 5012

Manual Integration Reason: MI2 - Peak missed

Data File: /chem/R.i/Rsvr.p/rfumqsom.b/794702s.d
Date : 22-MAY-2009 15:19
Client ID: E2QQ2MSD
Sample Info: E2QQ2MSD :[MSD]05/05/09 @1140(SEDIMENT)
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i
Operator: djb
Column diameter: 0.25

Page 1



1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MD

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794702S

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	90000	
111-44-4	Bis(2-chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	100000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	98000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	Bis(2-chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	98000	
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	17000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	100000	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MD

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794702S

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	100000	
132-64-9	Dibenzofuran	17000	U
121-14-2	2,4-Dinitrotoluene	88000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	2500	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	17000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	74000	
85-01-8	Phenanthrene	3600	J
120-12-7	Anthracene	17000	U
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	7200	J
129-00-0	Pyrene	81000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	3200	J
218-01-9	Chrysene	4700	J
117-81-7	Bis(2-ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	3100	J
207-08-9	Benzo(k)fluoranthene	3000	J
50-32-8	Benzo(a)pyrene	3100	J
193-39-5	Indeno(1,2,3-cd)pyrene	17000	U
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	17000	U
58-90-2	2,3,4,6-Tetrachlorophenol	17000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfwmqsom.b/794702s.d
Lab Smp Id: 794702MD
Client Smp ID: E2QQ2MSD
Inj Date : 22-MAY-2009 15:19
Operator : djb
Inst ID: R.i
Smp Info : E2QQ2MSD :[MSD]05/05/09 @1140(SEDIMENT)
Misc Info : 794702MD,2F5A_SBLKM4,1
Comment :
Method : /chem/R.i/Rsvr.p/rfwmqsom.b/fsom12.m
Meth Date : 26-May-2009 16:45 je
Quant Type: ISTD
Cal Date : 20-MAY-2009 12:37
Cal File: rfw160.d
Als bottle: 7
QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vi*Ws*(100-M)/100)*GPC * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)
Vi	2.00000	Volume injected (uL)
Ws	1.01000	Weight of sample extracted (g)
M	71.00000	% Moisture
GPC	2.00000	GPC Factor

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	4 Benzaldehyde	77	Compound Not Detected.					
$	5 Phenol-d5	71	6.030	6.030	(0.930)	202741	57.4788	98000
	6 Phenol	94	6.051	6.050	(0.933)	620616	52.5776	90000(Q)
$	7 Bis(2-chloroethyl)ether-d8	67	6.081	6.091	(0.938)	368513	50.0596	85000
	8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$	9 2-Chlorophenol-d4	132	6.205	6.204	(0.957)	549951	58.8327	100000
	10 2-Chlorophenol	128	6.225	6.225	(0.960)	528624	58.2928	100000
*	11 1,4-Dichlorobenzene-d4	152	6.482	6.481	(1.000)	240360	40.0000	
	13 2-Methylphenol	108	Compound Not Detected.					
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	7.078	7.077	(1.092)	413058	56.1867	96000
	16 Acetophenone	105	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794702s.d
Report Date: 26-May-2009 17:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	17 4-Methylphenol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	7.139	7.139	(1.101)	359653	57.2853	98000
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	7.314	7.313	(0.879)	263358	58.9190	100000
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	7.786	7.786	(0.936)	269532	55.1480	94000
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	8.125	8.125	(0.977)	408086	53.9229	92000
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.320	8.320	(1.000)	864096	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	8.444	8.443	(1.015)	478565	43.3194	74000
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	9.152	9.152	(1.100)	380633	57.4293	98000
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	10.446	10.456	(0.969)	863065	56.7656	97000
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	10.559	10.559	(0.979)	1159054	54.0406	92000
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.785	10.795	(1.000)	412105	40.0000	
	52 Acenaphthene	153	10.826	10.836	(1.004)	764899	58.6569	100000
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	10.980	10.980	(1.018)	202727	52.8521	90000
	55 4-Nitrophenol	109	10.980	10.990	(1.018)	112800	59.9012	100000
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	11.093	11.103	(1.029)	253433	51.7998	88000
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	11.473	11.483	(1.064)	671075	51.4768	88000
	61 Fluorene	166	11.514	11.514	(1.068)	22124	1.46708	2500 (a)
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	11.627	11.637	(0.911)	8537	3.22196	5500 (aQ)
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfwmqsom.b/794702s.d
Report Date: 26-May-2009 17:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/kg)
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	266	12.603	12.613	(0.987)	119020	43.4089	74000
*	71 Phenanthrene-d10	188	12.767	12.767	(1.000)	677487	40.0000	
	72 Phenanthrene	178	12.798	12.798	(1.002)	42594	2.09661	3600(a)
$	73 Anthracene-d10	188	12.839	12.839	(1.006)	987521	49.9001	85000
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	14.400	14.400	(1.128)	82089	4.18904	7200(a)
$	78 Pyrene-d10	212	14.678	14.677	(0.899)	867378	39.4697	67000(R)
	79 Pyrene	202	14.708	14.698	(0.901)	1314063	47.5176	81000
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	16.311	16.300	(0.999)	43321	1.89520	3200(a)
*	83 Chrysene-d12	240	16.331	16.320	(1.000)	788963	40.0000	
	84 Chrysene	228	16.362	16.362	(1.002)	59673	2.78155	4700(aQ)
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	17.666	17.666	(0.974)	36766	1.83535	3100(aM)
	88 Benzo(k)fluoranthene	252	17.687	17.686	(0.975)	44537	1.75471	3000(aM)
$	89 Benzo(a)pyrene-d12	264	18.036	18.025	(0.994)	888729	53.4403	91000
	90 Benzo(a)pyrene	252	18.067	18.056	(0.996)	35382	1.80946	3100(a)
*	91 Perylene-d12	264	18.139	18.128	(1.000)	685537	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

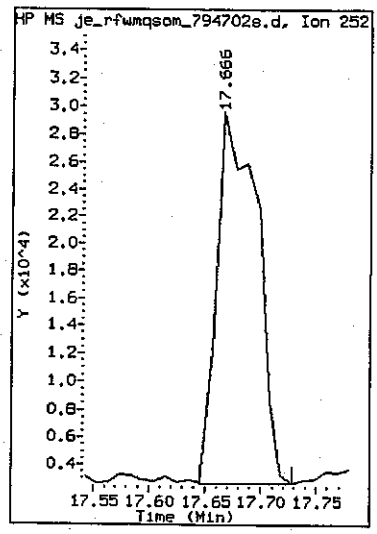
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

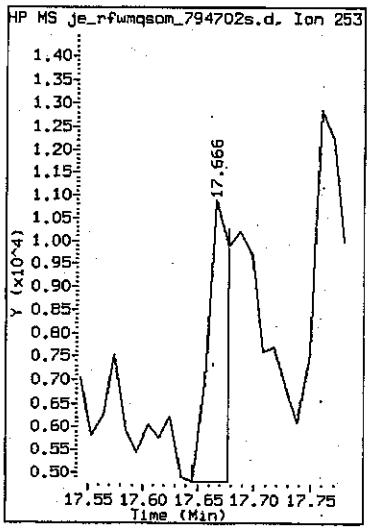
MANUAL INTEGRATION REPORT

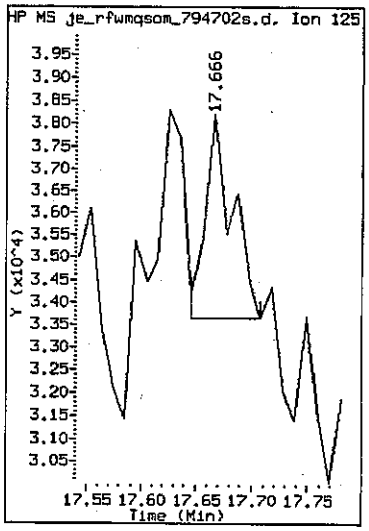
Data File Name: 794702s.d
Client Sample ID: E2Q02MSD
Compound Name: Benzo(b)fluoranthene

Inj. Date and Time: 22-MAY-2009 15:19
Instrument ID: R.i
CAS #: 205-99-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 17:09

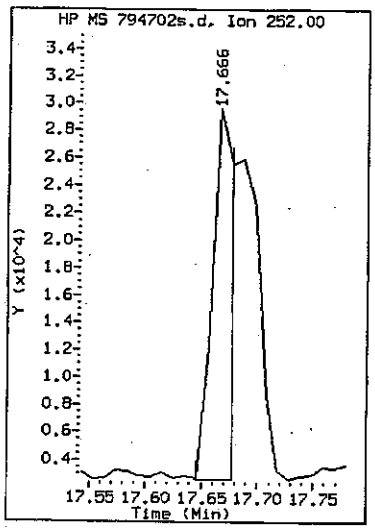


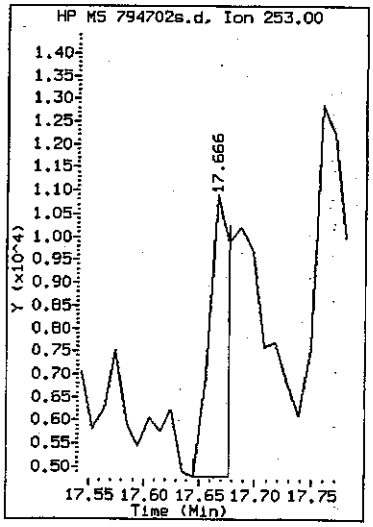


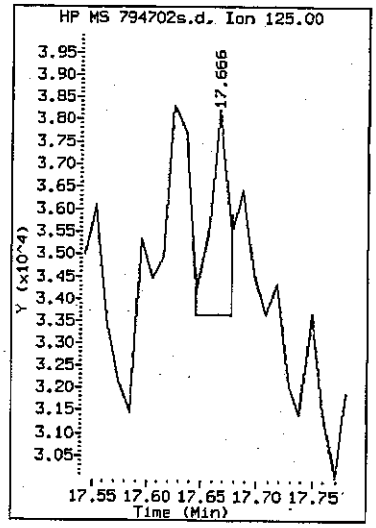


Original Integrations:

Area = 67562 Area = 8249 Area = 7627







Final Integrations:

Area = 36766 Area = 8249 Area = 5427

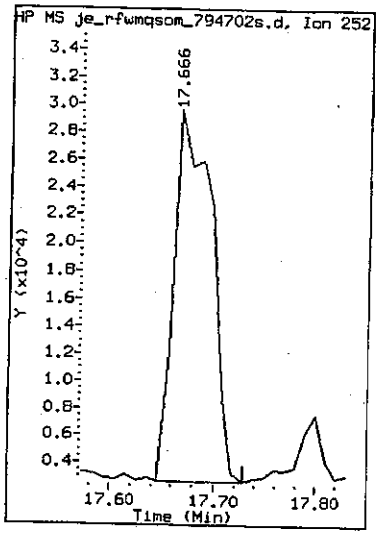
Manual Integration Reason: MI1 - Poor automated baseline

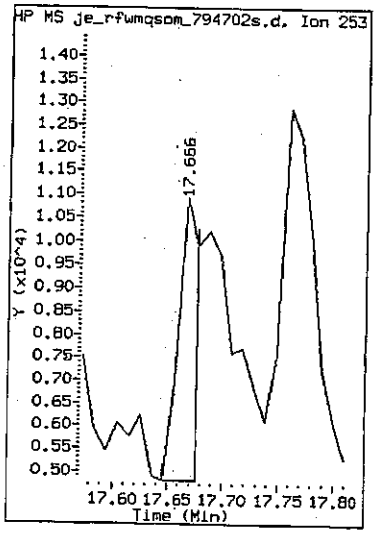
MANUAL INTEGRATION REPORT

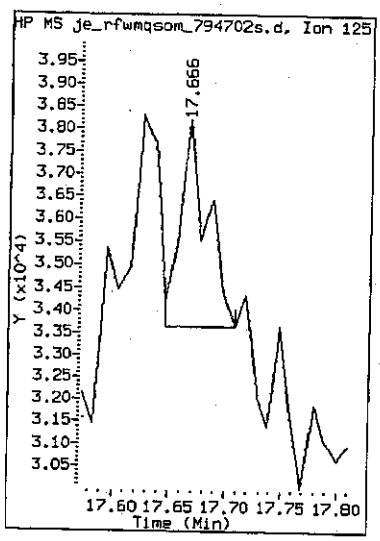
Data File Name: 794702s.d
Client Sample ID: E2QQ2MSD
Compound Name: Benzo(k)fluoranthene

Inj. Date and Time: 22-MAY-2009 15:19
Instrument ID: R.i
CAS #: 207-08-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/26/2009 17:09

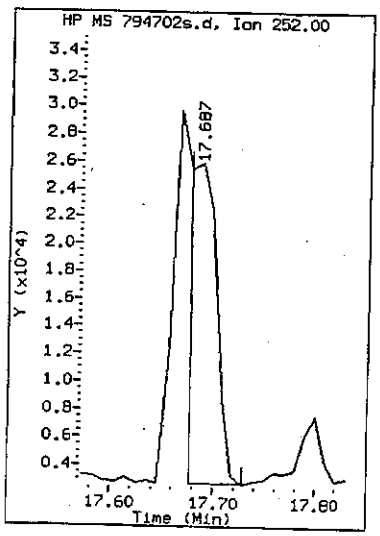


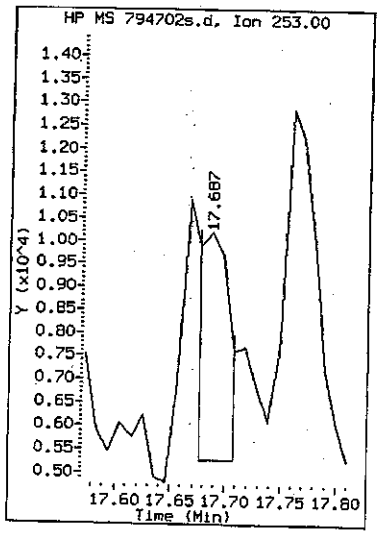


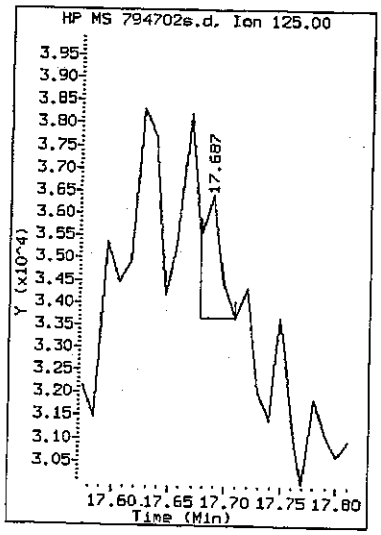


Original Integrations:

Area = 67562 Area = 8249 Area = 7627







Final Integrations:

Area = 44537 Area = 10034 Area = 3317

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

GPC Raw Data

Test America
GPC Processing

Sequence Log Report

Print Date: 5/27/2009
Print Time 1:58:47PM

Sequence: **GPCH_USEPAPSBLKM4**

Pos #	Sample ID	Description	Method	Inject UL	Column	Status	Comments
1	794702MS A3	E2QQ2MS	BNA(2)	5000	478-0512	Processed normally	
2	794702MD A3	E2QQ2MSD	BNA(2)	5000	478-0512	Processed normally	
3	794656 A3	B4TL5	BNA(2)	5000	478-0512	Processed normally	
4	794662 A3	B4TM1	BNA(2)	5000	478-0512	Processed normally	
5	794664 A3	B4TM3	BNA(2)	5000	478-0512	Processed normally	
6	794702 A3	E2QQ2	BNA(2)	5000	478-0512	Processed normally	
7	794718 A3	E2QS0	BNA(2)	5000	478-0512	Processed normally	
8	794720 A3	E2QS2	BNA(2)	5000	478-0512	Processed normally	
9	SBLKM4	131592,131597/B4TL1,E2QQ1	BNA(2)	5000	478-0512	Processed normally	

Operator Name:
Notes:

Start: 18:33:03, 05/14/09
End: 04:18:07, 05/15/09

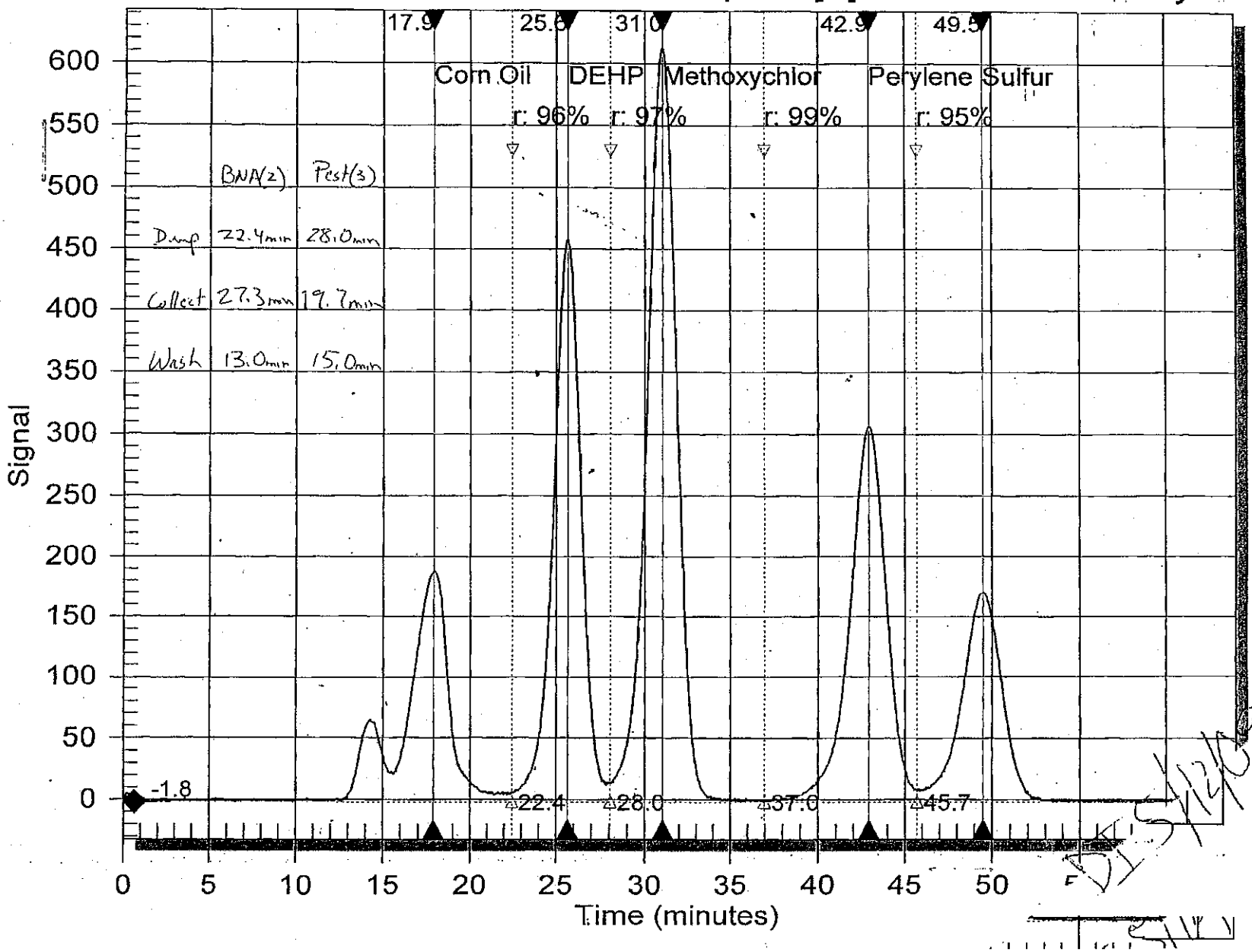
Outcome: Executed normally

Page 1 of 1

AccuChrome (tm) by J2

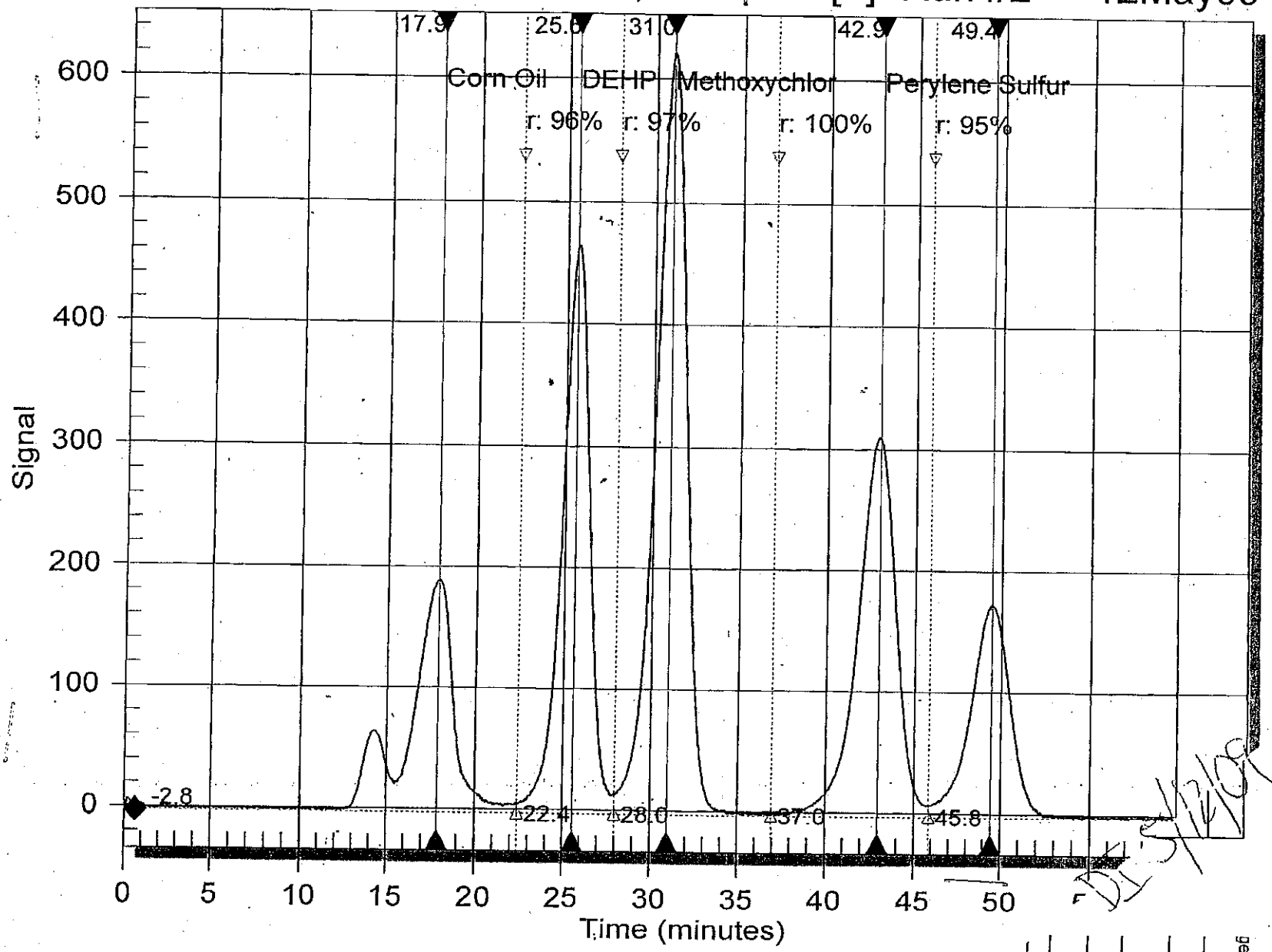
Cal. Mix Lot # OP-05-100-14 Flowrate-Beg-5.0ml/min Flowrate-End-5.0ml/min FlowAdj-4.72 Temp-20°C Pressure-variable

Sequence: GPCH4780512No1, Sample: [1] Run #1 - 12May09



Cal. Mix Lot# OP-05-100-14 Flow Vol - 49.5ml Flowrate Beg - 4.95ml/min Flowrate End 5.0ml/min Temp - 20°C Pressure - variable

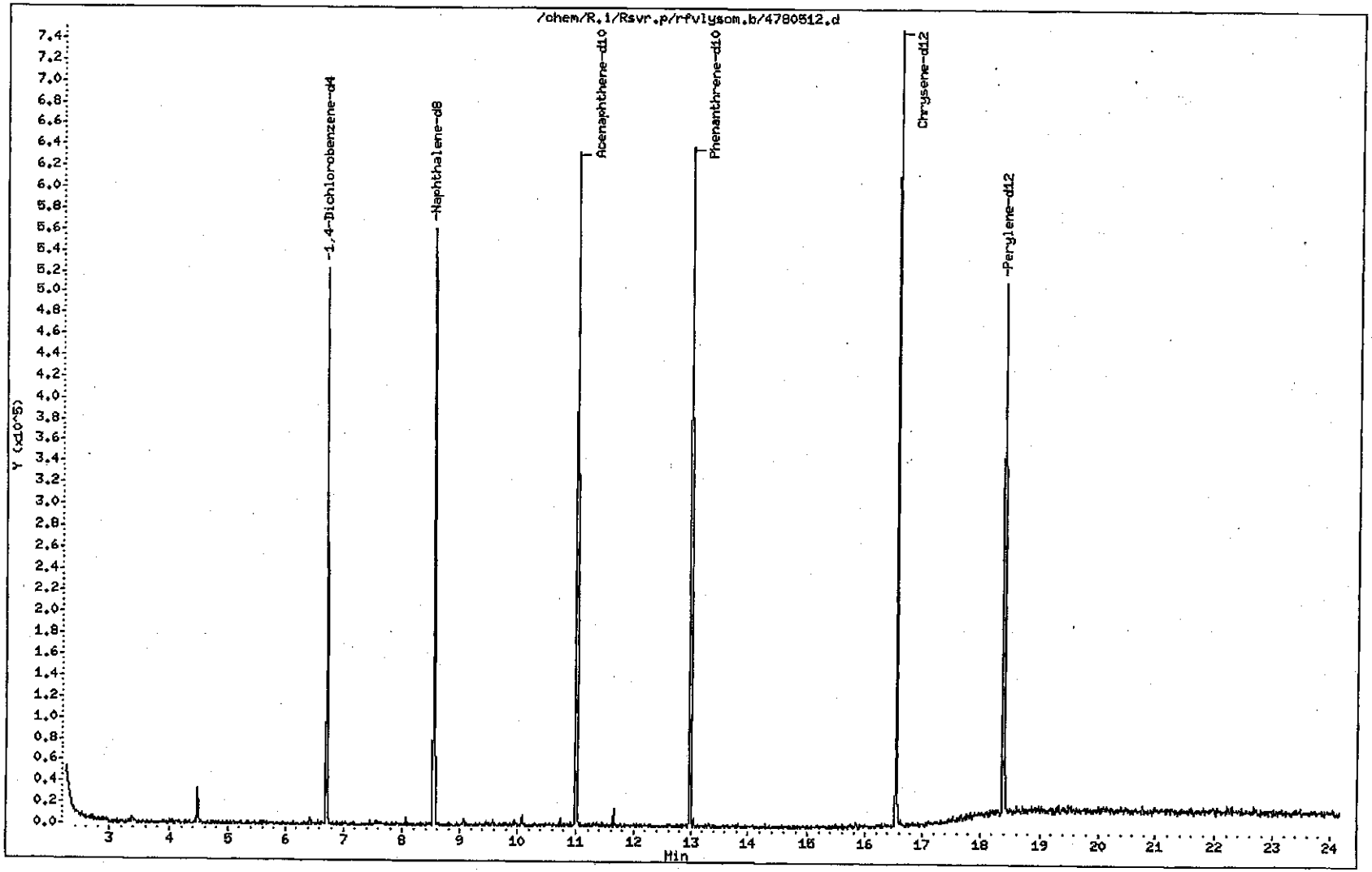
Sequence: GPCH4780512No2, Sample: [2] Run #2 - 12May09



Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Date : 14-MAY-2009 15:41
Client ID: GPC-H 478-0512
Sample Info:
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i

Operator: cpc
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Report Date: 14-May-2009 16:14

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Lab Smp Id: GPC-H 478-0512 Client Smp ID: GPC-H 478-0512
Inj Date : 14-MAY-2009 15:41
Operator : cpc Inst ID: R.i
Smp Info :
Misc Info : GPC-H 4780512
Comment :
Method : /chem/R.i/Rsvr.p/rfvlysom.b/fsom12.m
Meth Date : 14-May-2009 15:41 cc1 Quant Type: ISTD
Cal Date : 08-APR-2009 12:55 Cal File: rfv010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 1 1,4-Dioxane-d8	96	Compound Not Detected.					
2 1,4-Dioxane	88	Compound Not Detected.					
3 Pyridine	79	Compound Not Detected.					
4 Benzaldehyde	77	Compound Not Detected.					
$ 5 Phenol-d5	71	Compound Not Detected.					
6 Phenol	94	Compound Not Detected.					
$ 7 Bis(2-chloroethyl)ether-d8	67	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 9 2-Chlorophenol-d4	132	Compound Not Detected.					
10 2-Chlorophenol	128	Compound Not Detected.					
* 11 1,4-Dichlorobenzene-d4	152	6.706	6.715	(1.000)	88554	40.0000	
12 Benzyl alcohol	79	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Report Date: 14-May-2009 16:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	Compound Not Detected.					
	16 Acetophenone	105	Compound Not Detected.					
	17 4-Methylphenol	108	Compound Not Detected.					
M	18 Total Cresol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	Compound Not Detected.					
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	Compound Not Detected.					
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	Compound Not Detected.					
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.534	8.543	(1.000)	304796	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	Compound Not Detected.					
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	Compound Not Detected.					
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	Compound Not Detected.					
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	10.999	11.008	(1.000)	164359	40.0000	
	52 Acenaphthene	153	Compound Not Detected.					
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	Compound Not Detected.					
	55 4-Nitrophenol	109	Compound Not Detected.					
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	Compound Not Detected.					
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Report Date: 14-May-2009 16:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	61 Fluorene	166	Compound Not Detected.					
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	Compound Not Detected.					
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	265	Compound Not Detected.					
*	71 Phenanthrene-d10	188	12.991	12.990	(1.000)	292830	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	Compound Not Detected.					
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	Compound Not Detected.					
$	78 Pyrene-d10	212	Compound Not Detected.					
	79 Pyrene	202	Compound Not Detected.					
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.545	16.543	(1.000)	328189	40.0000	
	84 Chrysene	228	Compound Not Detected.					
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	Compound Not Detected.					
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.383	18.382	(1.000)	332123	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4780512.d
Report Date: 14-May-2009 16:14

TestAmerica Burlington

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: R.i
Lab File ID: 4780512.d
Lab Smp Id: GPC-H 478-0512
Analysis Type: SV
Quant Type: ISTD
Operator: cpc
Method File: /chem/R.i/Rsvr.p/rfvlysom.b/fsom12.m
Misc Info: GPC-H 4780512

Calibration Date: 14-MAY-2009
Calibration Time: 14:56
Client Smp ID: GPC-H 478-0512
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	93521	46760	187042	88554	-5.31
30 Naphthalene-d8	322144	161072	644288	304796	-5.39
51 Acenaphthene-d10	181199	90600	362398	164359	-9.29
71 Phenanthrene-d10	314066	157033	628132	292830	-6.76
83 Chrysene-d12	334217	167108	668434	328189	-1.80
91 Perylene-d12	313474	156737	626948	332123	5.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	6.71	6.21	7.21	6.71	-0.13
30 Naphthalene-d8	8.54	8.04	9.04	8.53	-0.10
51 Acenaphthene-d10	11.01	10.51	11.51	11.00	-0.08
71 Phenanthrene-d10	12.99	12.49	13.49	12.99	0.01
83 Chrysene-d12	16.54	16.04	17.04	16.54	0.01
91 Perylene-d12	18.38	17.88	18.88	18.38	0.01

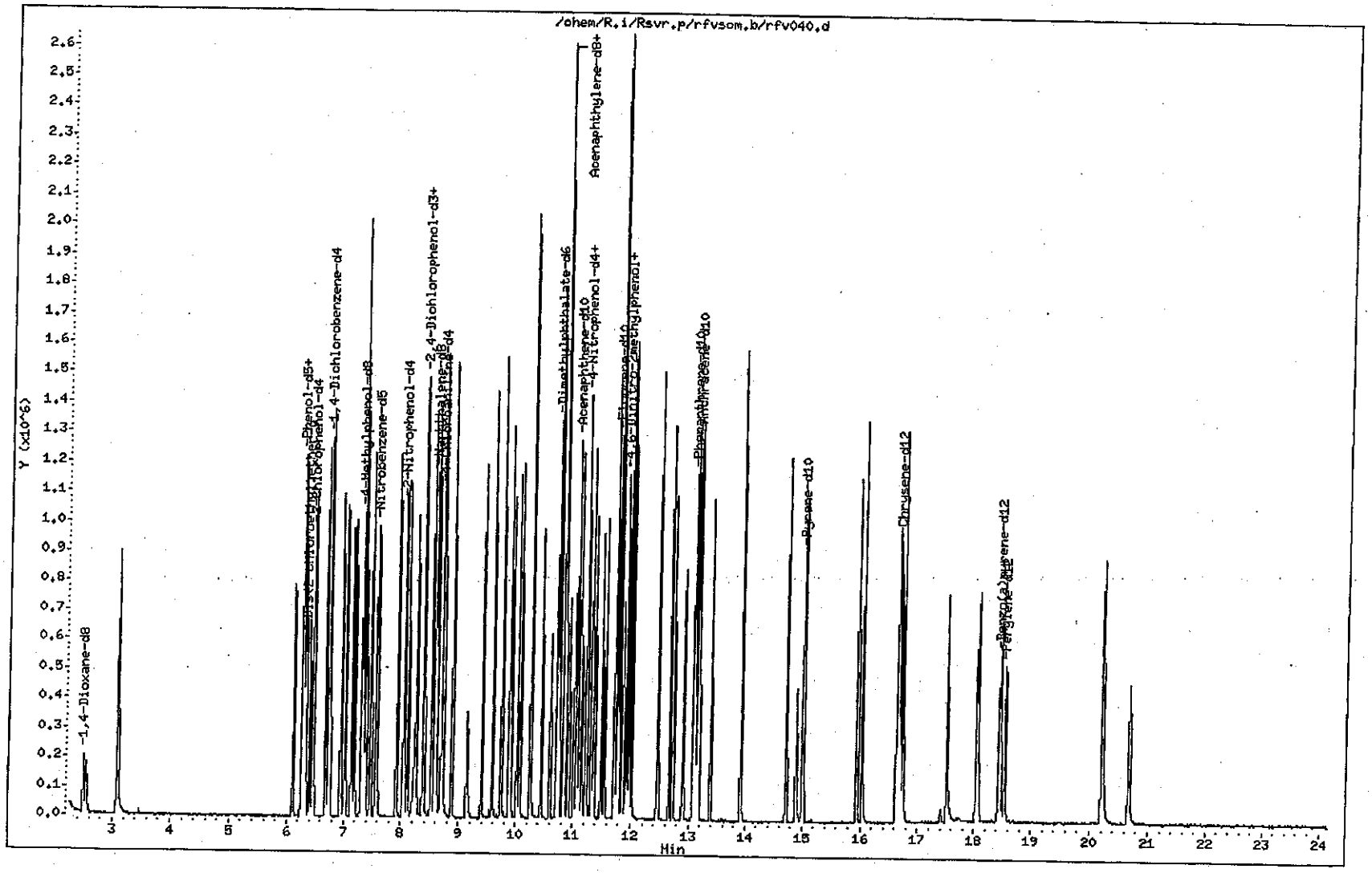
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Date : 08-APR-2009 11:43
Client ID: SSTD020FV
Sample Info: SSTD020FV
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i

Operator: djb
Column diameter: 0.25

Page 1



Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Lab Smp Id: SSTD020FV Client Smp ID: SSTD020FV
Inj Date : 08-APR-2009 11:43
Operator : djb Inst ID: R.i
Smp Info : SSTD020FV
Misc Info : SSTD020FV
Comment :
Method : /chem/R.i/Rsvr.p/rfvsom.b/fsom12.m
Meth Date : 27-Apr-2009 09:08 je Quant Type: ISTD
Cal Date : 08-APR-2009 11:43 Cal File: rfv040.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	6.104	6.104	(0.907)	207381	40.0000	42
$ 5 Phenol-d5	71	6.258	6.258	(0.930)	192069	40.0000	40
6 Phenol	94	6.279	6.279	(0.933)	285705	40.0000	40
$ 7 Bis(2-chloroethyl)ether-d8	67	6.330	6.330	(0.940)	226122	40.0000	40
8 Bis(2-chloroethyl)ether	93	6.392	6.392	(0.950)	227349	40.0000	40
$ 9 2-Chlorophenol-d4	132	6.443	6.443	(0.957)	220548	40.0000	39
10 2-Chlorophenol	128	6.463	6.463	(0.960)	222844	40.0000	40
* 11 1,4-Dichlorobenzene-d4	152	6.730	6.730	(1.000)	176940	40.0000	
13 2-Methylphenol	108	7.141	7.141	(1.061)	187331	40.0000	40
14 2,2'-Oxybis(1-chloropropane)	45	7.182	7.182	(1.067)	330794	40.0000	41
$ 15 4-Methylphenol-d8	113	7.306	7.306	(1.085)	171771	40.0000	40
16 Acetophenone	105	7.347	7.347	(1.092)	307498	40.0000	41
17 4-Methylphenol	108	7.347	7.347	(1.092)	189394	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.388	7.388	(1.098)	195807	40.0000	39
	20 Hexachloroethane	117	7.470	7.470	(1.110)	151854	40.0000	41
$	21 Nitrobenzene-d5	128	7.562	7.562	(0.881)	102404	40.0000	39
	22 Nitrobenzene	77	7.593	7.593	(0.885)	337258	40.0000	40
	23 Isophorone	82	7.922	7.922	(0.923)	547909	40.0000	40
$	24 2-Nitrophenol-d4	143	8.035	8.035	(0.937)	119087	40.0000	40
	25 2-Nitrophenol	139	8.055	8.055	(0.939)	118445	40.0000	38
	26 2,4-Dimethylphenol	107	8.117	8.117	(0.946)	264091	40.0000	40
	27 Bis(2-chloroethoxy)methane	93	8.250	8.250	(0.962)	260455	40.0000	40
$	28 2,4-Dichlorophenol-d3	165	8.374	8.374	(0.976)	181318	40.0000	40
	29 2,4-Dichlorophenol	162	8.384	8.384	(0.977)	178450	40.0000	40
*	30 Naphthalene-d8	136	8.579	8.579	(1.000)	582032	40.0000	
	31 Naphthalene	128	8.600	8.600	(1.002)	579832	40.0000	40
$	32 4-Chloroaniline-d4	131	8.692	8.692	(1.013)	230378	40.0000	39
	33 4-Chloroaniline	127	8.713	8.713	(1.016)	255769	40.0000	40
	34 Hexachlorobutadiene	225	8.877	8.877	(1.035)	154227	40.0000	39
	35 Caprolactam	113	9.134	9.134	(1.065)	53190	40.0000	41
	36 4-Chloro-3-methylphenol	107	9.401	9.401	(1.096)	213401	40.0000	40
	37 2-Methylnaphthalene	142	9.586	9.586	(1.117)	358920	40.0000	40
	38 1,2,4,5-Tetrachlorobenzene	216	9.883	9.883	(0.893)	181089	40.0000	40
	39 Hexachlorocyclopentadiene	237	9.914	9.914	(0.896)	129883	40.0000	40
	40 2,4,6-Trichlorophenol	196	10.017	10.017	(0.905)	119948	40.0000	40
	41 2,4,5-Trichlorophenol	196	10.068	10.068	(0.910)	119290	40.0000	38
	42 1,1'-Biphenyl	154	10.253	10.253	(0.927)	430913	40.0000	40
	43 2-Chloronaphthalene	162	10.263	10.263	(0.928)	370931	40.0000	40
	44 2-Nitroaniline	65	10.448	10.448	(0.944)	190475	40.0000	41
$	45 Dimethylphthalate-d6	166	10.715	10.715	(0.968)	452697	40.0000	41
	46 Dimethylphthalate	163	10.746	10.746	(0.971)	481978	40.0000	40
$	47 Acenaphthylene-d8	160	10.839	10.839	(0.980)	550305	40.0000	40
	48 Acenaphthylene	152	10.859	10.859	(0.981)	583345	40.0000	40
	49 2,6-Dinitrotoluene	165	10.839	10.839	(0.980)	110061	40.0000	40
	50 3-Nitroaniline	138	11.023	11.023	(0.996)	97188	40.0000	39
*	51 Acenaphthene-d10	164	11.065	11.065	(1.000)	284898	40.0000	
	52 Acenaphthene	153	11.116	11.116	(1.005)	346437	40.0000	40
	53 2,4-Dinitrophenol	184	11.157	11.157	(1.008)	47437	40.0000	39
$	54 4-Nitrophenol-d4	143	11.239	11.239	(1.016)	79802	40.0000	39
	55 4-Nitrophenol	109	11.239	11.239	(1.016)	151660	40.0000	40
	56 Dibenzofuran	168	11.332	11.332	(1.024)	492433	40.0000	40
	57 2,4-Dinitrotoluene	165	11.373	11.373	(1.028)	140672	40.0000	41
	58 2,3,4,6-Tetrachlorophenol	232	11.558	11.558	(1.045)	107756	40.0000	41
	59 Diethylphthalate	149	11.722	11.722	(1.059)	550986	40.0000	41
$	60 Fluorene-d10	176	11.763	11.763	(1.063)	320312	40.0000	41
	61 Fluorene	166	11.804	11.804	(1.067)	406887	40.0000	40
	62 4-Chlorophenyl-phenylether	204	11.804	11.804	(1.067)	199127	40.0000	40
	63 4-Nitroaniline	138	11.866	11.866	(1.072)	94068	40.0000	41
$	64 4,6-Dinitro-2methylphenol-d2	200	11.917	11.917	(0.912)	62752	40.0000	38
	65 4,6-Dinitro-2-methylphenol	198	11.927	11.927	(0.913)	65162	40.0000	37(M)

Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.968	11.968	(0.916)	331694	40.0000	40
	67 4-Bromophenyl-phenylether	248	12.461	12.461	(0.954)	124787	40.0000	40
	68 Hexachlorobenzene	284	12.667	12.667	(0.969)	155796	40.0000	40
	69 Atrazine	200	12.728	12.728	(0.974)	103394	40.0000	40
	70 Pentachlorophenol	266	12.903	12.903	(0.987)	88110	40.0000	38
*	71 Phenanthrene-d10	188	13.067	13.067	(1.000)	472583	40.0000	
	72 Phenanthrene	178	13.098	13.098	(1.002)	556149	40.0000	40
$	73 Anthracene-d10	188	13.139	13.139	(1.006)	458129	40.0000	39
	74 Anthracene	178	13.160	13.160	(1.007)	513408	40.0000	40(M)
	75 Carbazole	167	13.375	13.375	(1.024)	450553	40.0000	39
	76 Di-n-butylphthalate	149	13.920	13.920	(1.065)	809598	40.0000	40
	77 Fluoranthene	202	14.721	14.721	(1.127)	490180	40.0000	39
$	78 Pyrene-d10	212	14.998	14.998	(0.900)	352483	40.0000	41
	79 Pyrene	202	15.029	15.029	(0.902)	491265	40.0000	40
	80 Butylbenzylphthalate	149	15.943	15.943	(0.957)	321867	40.0000	41
	81 3,3'-Dichlorobenzidine	252	16.621	16.621	(0.998)	124254	40.0000	41
	82 Benzo(a)anthracene	228	16.641	16.641	(0.999)	393918	40.0000	38
*	83 Chrysene-d12	240	16.662	16.662	(1.000)	348841	40.0000	
	84 Chrysene	228	16.693	16.693	(1.002)	339075	40.0000	38
	85 Bis(2-ethylhexyl)phthalate	149	16.734	16.734	(1.004)	351001	40.0000	40
	86 Di-n-octylphthalate	149	17.504	17.504	(0.944)	562162	40.0000	41
	87 Benzo(b)fluoranthene	252	18.028	18.028	(0.972)	349810	40.0000	36
	88 Benzo(k)fluoranthene	252	18.059	18.059	(0.974)	479506	40.0000	42
$	89 Benzo(a)pyrene-d12	264	18.428	18.428	(0.994)	285864	40.0000	39
	90 Benzo(a)pyrene	252	18.459	18.459	(0.996)	345352	40.0000	38
*	91 Perylene-d12	264	18.541	18.541	(1.000)	307890	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	20.205	20.205	(1.090)	526450	40.0000	43
	93 Dibenzo(a,h)anthracene	278	20.215	20.215	(1.090)	407189	40.0000	41
	94 Benzo(g,h,i)perylene	276	20.678	20.678	(1.115)	445655	40.0000	44(M)

QC Flag Legend

M - Compound response manually integrated.

Test America
GPC Processing

Sequence Log Report

Print Date: 5/17/2009
Print Time 7:03:28AM

Sequence: **GPCJ_USEPASBLKL8**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	794701 A3 No1	E2QQ1	BNA(2)	5000	479-0512	Sample processed normally	
2	794701 A3 No2	E2QQ1	BNA(2)	5000	479-0512	Sample processed normally	
3	794701 A3 No3	E2QQ1	BNA(2)	5000	479-0512	Sample processed normally	
4	794701MD A3 No1	E2QQ1MSD	BNA(2)	5000	479-0512	Sample processed normally	
5	794701MD A3 No2	E2QQ1MSD	BNA(2)	5000	479-0512	Sample processed normally	
6	794701MD A3 No3	E2QQ1MSD	BNA(2)	5000	479-0512	Sample processed normally	
7	794701MS A3 No1	E2QQ1MS	BNA(2)	5000	479-0512	Sample processed normally	
8	794701MS A3 No2	E2QQ1MS	BNA(2)	5000	479-0512	Sample processed normally	
9	794701MS A3 No3	E2QQ1MS	BNA(2)	5000	479-0512	Sample processed normally	
10	794703 A3	E2QQ3	BNA(2)	5000	479-0512	Sample processed normally	
11	794704 A1	E2QQ4	BNA(2)	5000	479-0512	Sample processed normally	
12	794705 A2	E2QQ5	BNA(2)	5000	479-0512	Sample processed normally	
13	794706 A1	E2QQ6	BNA(2)	5000	479-0512	Sample processed normally	
14	794707 A1	E2QQ7	BNA(2)	5000	479-0512	Sample processed normally	
15	794708 A2	E2QQ8	BNA(2)	5000	479-0512	Sample processed normally	
16	794709 A2	E2QR1	BNA(2)	5000	479-0512	Sample processed normally	
17	794710 A1	E2QR2	BNA(2)	5000	479-0512	Sample processed normally	
18	794711 A2 No1	E2QR3	BNA(2)	5000	479-0512	Sample processed normally	
19	794711 A2 No2	E2QR3	BNA(2)	5000	479-0512	Sample processed normally	
20	794712 A2 No1	E2QR4	BNA(2)	5000	479-0512	Sample processed normally	

Operator Name:
Notes:

Start: 18:37:16, 05/15/09
End: 03:48:04, 05/17/09

Outcome: Sequence executed normally

Page 1 of 2

AccuChrome (tm) by J2

21	794712 A2 No2	E2QR4	BNA(2)	5000	479-0512	Sample processed normally
22	794713 A3	E2QR5	BNA(2)	5000	479-0512	Sample processed normally
23	794714 A3 No1	E2QR6	BNA(2)	5000	479-0512	Sample processed normally
24	794714 A3 No2	E2QR6	BNA(2)	5000	479-0512	Sample processed normally
25	794714 A3 No3	E2QR6	BNA(2)	5000	479-0512	Sample processed normally
26	794715 A2	E2QR7	BNA(2)	5000	479-0512	Sample processed normally
27	794716 A1	E2QR8	BNA(2)	5000	479-0512	Sample processed normally
28	794717 A1 No1	E2QR9	BNA(2)	5000	479-0512	Sample processed normally
29	794717 A1 No2	E2QR9	BNA(2)	5000	479-0512	Sample processed normally
30	794719 A2	E2QS1	BNA(2)	5000	479-0512	Sample processed normally
31	SBLKL8	131597/E2QQ1	BNA(2)	5000	479-0512	Sample processed normally

Operator Name:

Notes:

Page 2 of 2

Start: 18:37:16, 05/15/09

End: 03:48:04, 05/17/09

Outcome: Sequence executed normally

AccuChrome (tm) by J2

Test America
GPC Processing

Sequence Log Report

Print Date: 5/22/2009
Print Time 11:01:30PM

Sequence: **GPCJ_USEPASBLK01**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	794703R1 A2	E2QQ4	BNA(2)	5000	479-0521	Sample processed normally	
2	SBLKO1	131597/E2QQ1	BNA(2)	5000	479-0521	Sample processed normally	

Operator Name:

Notes:

Page 1 of 1

Start: 20:48:38, 05/22/09

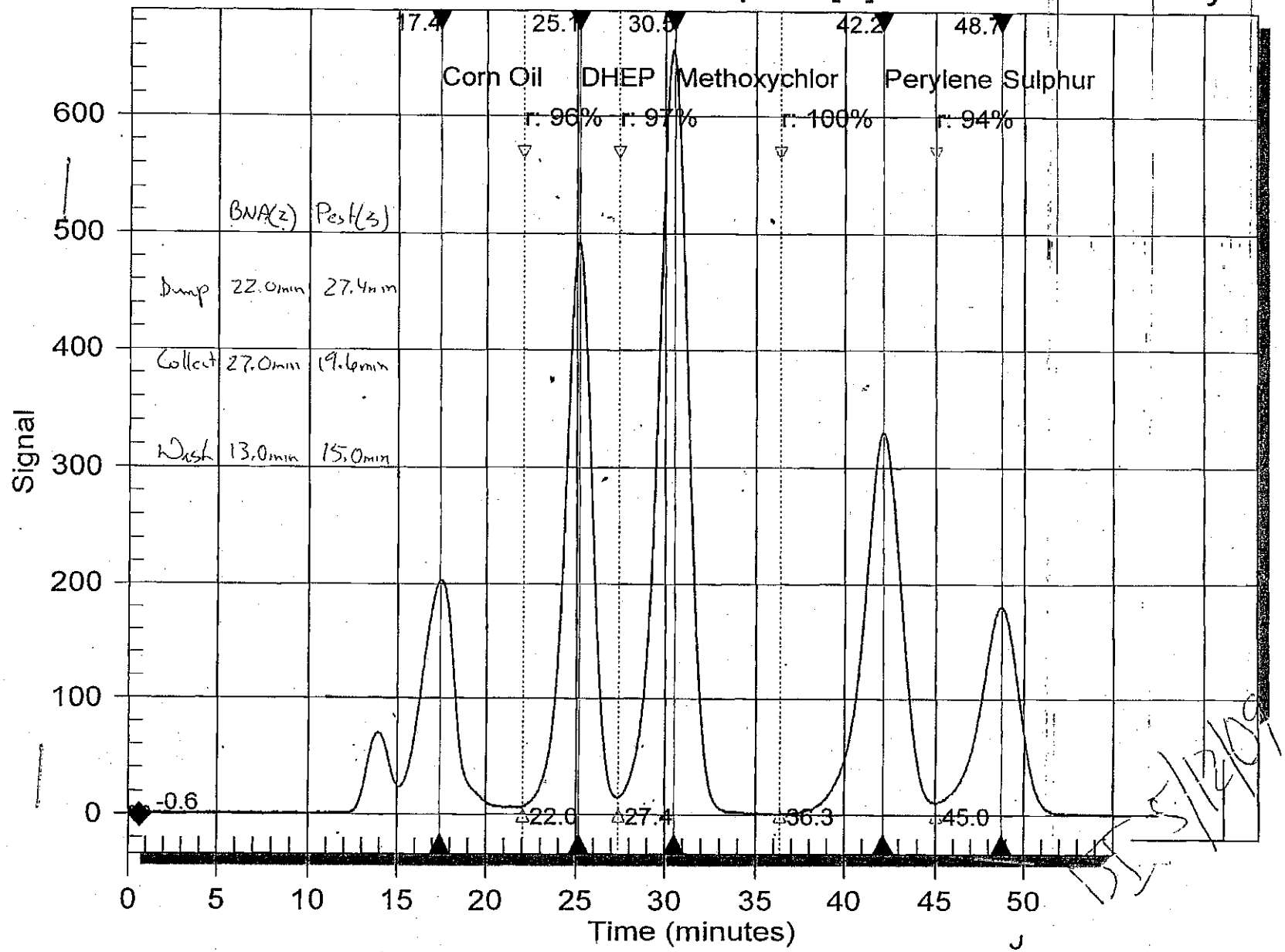
End: 22:57:36, 05/22/09

Outcome: Sequence executed normally

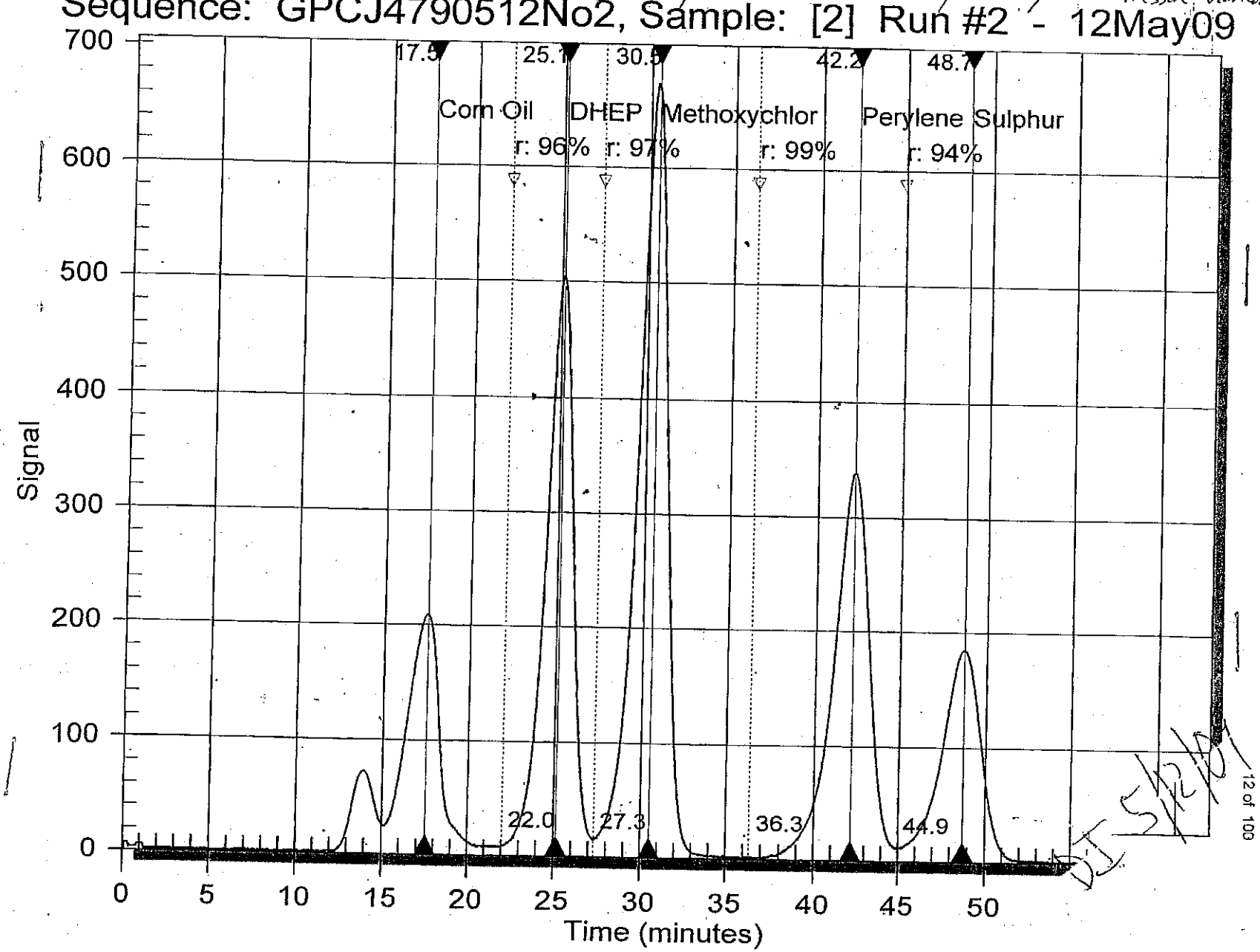
AccuChrome (tm) by J2

Cal. Mix Lot # OP-05-100-14 Flowrate-Beg - 5.1 ml/min Flowrate-End - 5.0 ml/min Flow Adj - 4.83 Temp - 21°C Pressure variable

Sequence: GPCJ4790512No1, Sample: [1] Run #1 - 12May09



Cal. Mix Lot # OP-05-100-14 Flow Vol. 50.5ml Flowrate-Beg 5.05ml/min Flowrate-End 5.0ml/min Temp 21°C Pressure-variable



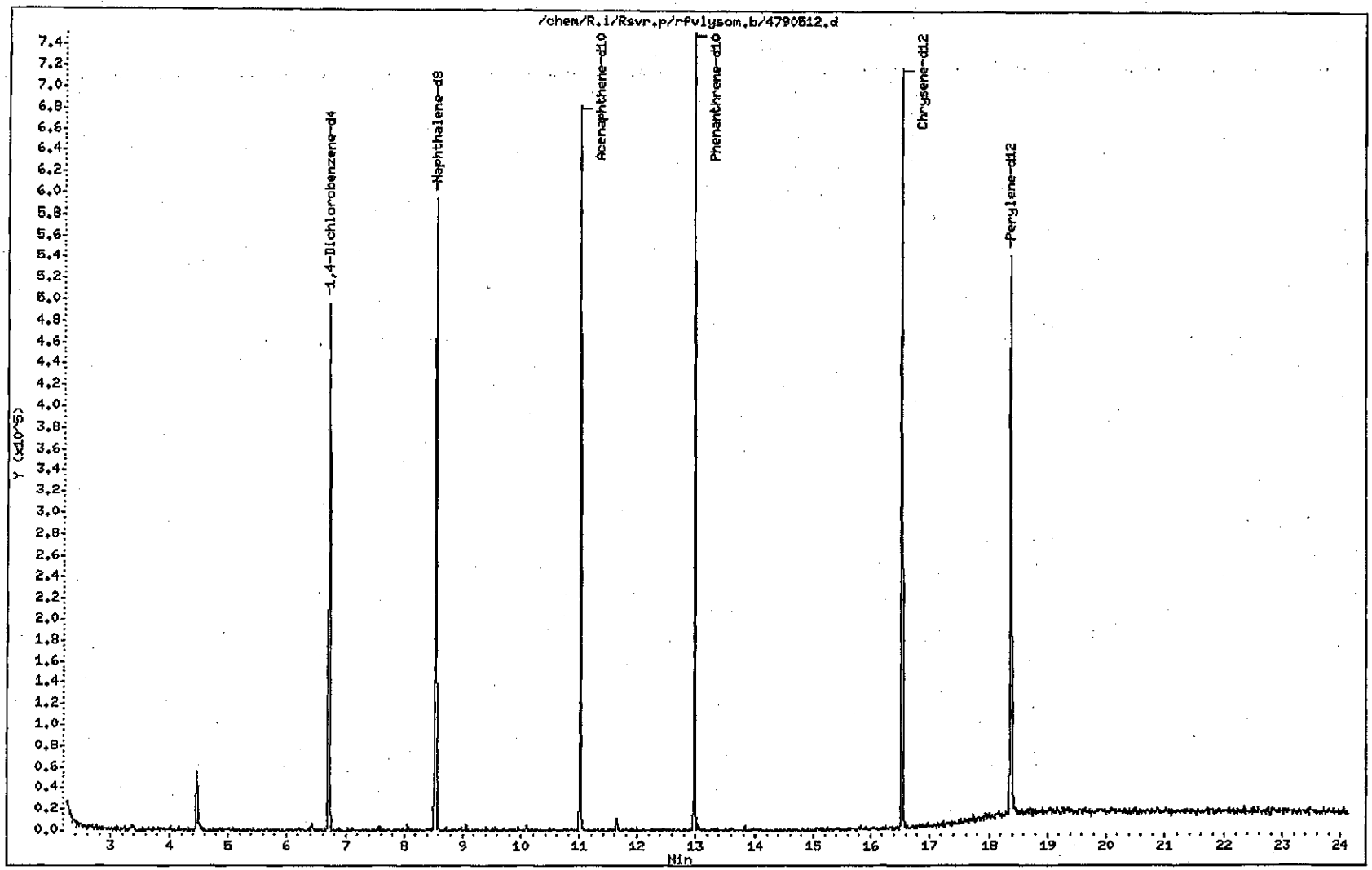
12 of 100

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4790512.d
Date : 14-MAY-2009 16:16
Client ID: GPC-J 479-0512
Sample Info:
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Page 1

Instrument: R.i

Operator: cpo
Column diameter: 0.25



TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvlysom.b/4790512.d
Lab Smp Id: GPC-J 479-0512 Client Smp ID: GPC-J 479-0512
Inj Date : 14-MAY-2009 16:16
Operator : cpc Inst ID: R.i
Smp Info :
Misc Info : GPC-J 4790512
Comment :
Method : /chem/R.i/Rsvr.p/rfvlysom.b/fsom12.m
Meth Date : 14-May-2009 15:41 cc1 Quant Type: ISTD
Cal Date : 08-APR-2009 12:55 Cal File: rfv010.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 1 1,4-Dioxane-d8	96	Compound Not Detected.					
2 1,4-Dioxane	88	Compound Not Detected.					
3 Pyridine	79	Compound Not Detected.					
4 Benzaldehyde	77	Compound Not Detected.					
$ 5 Phenol-d5	71	Compound Not Detected.					
6 Phenol	94	Compound Not Detected.					
$ 7 Bis(2-chloroethyl)ether-d8	87	Compound Not Detected.					
8 Bis(2-chloroethyl)ether	93	Compound Not Detected.					
$ 9 2-Chlorophenol-d4	132	Compound Not Detected.					
10 2-Chlorophenol	128	Compound Not Detected.					
* 11 1,4-Dichlorobenzene-d4	152	6.708	6.715	(1.000)	76307	40.0000	
12 Benzyl alcohol	79	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4790512.d
Report Date: 14-May-2009 18:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	14 2,2'-Oxybis(1-chloropropane)	45	Compound Not Detected.					
$	15 4-Methylphenol-d8	113	Compound Not Detected.					
	16 Acetophenone	105	Compound Not Detected.					
	17 4-Methylphenol	108	Compound Not Detected.					
M	18 Total Cresol	108	Compound Not Detected.					
	19 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	20 Hexachloroethane	116	Compound Not Detected.					
$	21 Nitrobenzene-d5	128	Compound Not Detected.					
	22 Nitrobenzene	77	Compound Not Detected.					
	23 Isophorone	82	Compound Not Detected.					
$	24 2-Nitrophenol-d4	143	Compound Not Detected.					
	25 2-Nitrophenol	139	Compound Not Detected.					
	26 2,4-Dimethylphenol	107	Compound Not Detected.					
	27 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
$	28 2,4-Dichlorophenol-d3	165	Compound Not Detected.					
	29 2,4-Dichlorophenol	162	Compound Not Detected.					
*	30 Naphthalene-d8	136	8.536	8.543	(1.000)	272771	40.0000	
	31 Naphthalene	128	Compound Not Detected.					
$	32 4-Chloroaniline-d4	131	Compound Not Detected.					
	33 4-Chloroaniline	127	Compound Not Detected.					
	34 Hexachlorobutadiene	224	Compound Not Detected.					
	35 Caprolactam	113	Compound Not Detected.					
	36 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	37 2-Methylnaphthalene	142	Compound Not Detected.					
	38 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
	39 Hexachlorocyclopentadiene	236	Compound Not Detected.					
	40 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	41 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	42 1,1'-Biphenyl	154	Compound Not Detected.					
	43 2-Chloronaphthalene	162	Compound Not Detected.					
	44 2-Nitroaniline	65	Compound Not Detected.					
$	45 Dimethylphthalate-d6	166	Compound Not Detected.					
	46 Dimethylphthalate	163	Compound Not Detected.					
$	47 Acenaphthylene-d8	160	Compound Not Detected.					
	48 Acenaphthylene	152	Compound Not Detected.					
	49 2,6-Dinitrotoluene	165	Compound Not Detected.					
	50 3-Nitroaniline	138	Compound Not Detected.					
*	51 Acenaphthene-d10	164	11.001	11.008	(1.000)	153604	40.0000	
	52 Acenaphthene	153	Compound Not Detected.					
	53 2,4-Dinitrophenol	184	Compound Not Detected.					
$	54 4-Nitrophenol-d4	143	Compound Not Detected.					
	55 4-Nitrophenol	109	Compound Not Detected.					
	56 Dibenzofuran	168	Compound Not Detected.					
	57 2,4-Dinitrotoluene	165	Compound Not Detected.					
	58 2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
	59 Diethylphthalate	149	Compound Not Detected.					
$	60 Fluorene-d10	176	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4790512.d
Report Date: 14-May-2009 18:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	61 Fluorene	166	Compound Not Detected.					
	62 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	63 4-Nitroaniline	138	Compound Not Detected.					
$	64 4,6-Dinitro-2methylphenol-d2	200	Compound Not Detected.					
	65 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	66 N-Nitrosodiphenylamine	169	Compound Not Detected.					
	67 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	68 Hexachlorobenzene	283	Compound Not Detected.					
	69 Atrazine	200	Compound Not Detected.					
	70 Pentachlorophenol	265	Compound Not Detected.					
*	71 Phenanthrene-d10	188	12.983	12.990	(1.000)	277858	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
$	73 Anthracene-d10	188	Compound Not Detected.					
	74 Anthracene	178	Compound Not Detected.					
	75 Carbazole	167	Compound Not Detected.					
	76 Di-n-butylphthalate	149	Compound Not Detected.					
	77 Fluoranthene	202	Compound Not Detected.					
$	78 Pyrene-d10	212	Compound Not Detected.					
	79 Pyrene	202	Compound Not Detected.					
	80 Butylbenzylphthalate	149	Compound Not Detected.					
	81 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	82 Benzo(a)anthracene	228	Compound Not Detected.					
*	83 Chrysene-d12	240	16.537	16.543	(1.000)	316198	40.0000	
	84 Chrysene	228	Compound Not Detected.					
	85 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.					
	86 Di-n-octylphthalate	149	Compound Not Detected.					
	87 Benzo(b)fluoranthene	252	Compound Not Detected.					
	88 Benzo(k)fluoranthene	252	Compound Not Detected.					
$	89 Benzo(a)pyrene-d12	264	Compound Not Detected.					
	90 Benzo(a)pyrene	252	Compound Not Detected.					
*	91 Perylene-d12	264	18.375	18.382	(1.000)	312029	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	93 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	94 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Data File: /chem/R.i/Rsvr.p/rfvlysom.b/4790512.d
Report Date: 14-May-2009 18:20

TestAmerica Burlington

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: R.i
Lab File ID: 4790512.d
Lab Smp Id: GPC-J 479-0512
Analysis Type: SV
Quant Type: ISTD
Operator: cpc
Method File: /chem/R.i/Rsvr.p/rfvlysom.b/fsom12.m
Misc Info: GPC-J 4790512

Calibration Date: 14-MAY-2009
Calibration Time: 14:56
Client Smp ID: GPC-J 479-0512
Level: LOW
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	93521	46760	187042	76307	-18.41
30 Naphthalene-d8	322144	161072	644288	272771	-15.33
51 Acenaphthene-d10	181199	90600	362398	153604	-15.23
71 Phenanthrene-d10	314066	157033	628132	277858	-11.53
83 Chrysene-d12	334217	167108	668434	316198	-5.39
91 Perylene-d12	313474	156737	626948	312029	-0.46

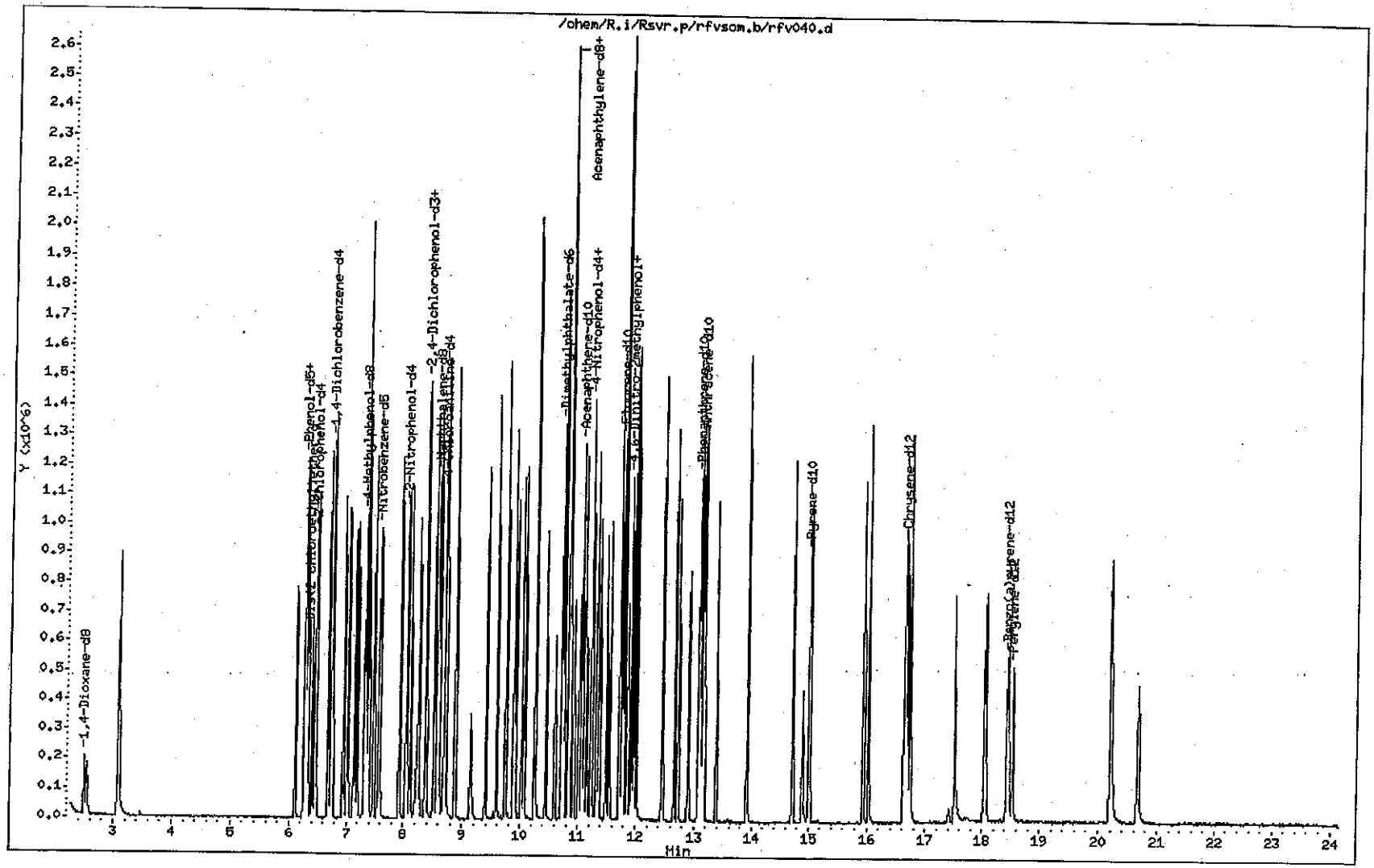
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	6.71	6.21	7.21	6.71	-0.10
30 Naphthalene-d8	8.54	8.04	9.04	8.54	-0.08
51 Acenaphthene-d10	11.01	10.51	11.51	11.00	-0.06
71 Phenanthrene-d10	12.99	12.49	13.49	12.98	-0.05
83 Chrysene-d12	16.54	16.04	17.04	16.54	-0.04
91 Perylene-d12	18.38	17.88	18.88	18.38	-0.04

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.

Data File: /ohem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Date : 08-APR-2009 11:43
Client ID: SSTD020FV
Sample Info: SSTD020FV
Volume Injected (uL): 2.0
Column phase: Rxi-5ms

Instrument: R.i

Operator: djb
Column diameter: 0.25



Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

TestAmerica Burlington

SEMIVOLATILE QUANTITATION REPORT

Data file : /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Lab Smp Id: SSTD020FV Client Smp ID: SSTD020FV
Inj Date : 08-APR-2009 11:43
Operator : djb Inst ID: R.i
Smp Info : SSTD020FV
Misc Info : SSTD020FV
Comment :
Method : /chem/R.i/Rsvr.p/rfvsom.b/fsom12.m
Meth Date : 27-Apr-2009 09:08 je Quant Type: ISTD
Cal Date : 08-APR-2009 11:43 Cal File: rfv040.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOM12.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*Vt/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	2.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4 Benzaldehyde	77	6.104	6.104	(0.907)	207381	40.0000	42
$ 5 Phenol-d5	71	6.258	6.258	(0.930)	192069	40.0000	40
6 Phenol	94	6.279	6.279	(0.933)	285705	40.0000	40
$ 7 Bis(2-chloroethyl)ether-d8	67	6.330	6.330	(0.940)	226122	40.0000	40
8 Bis(2-chloroethyl)ether	93	6.392	6.392	(0.950)	227349	40.0000	40
$ 9 2-Chlorophenol-d4	132	6.443	6.443	(0.957)	220548	40.0000	39
10 2-Chlorophenol	128	6.463	6.463	(0.960)	222844	40.0000	40
* 11 1,4-Dichlorobenzene-d4	152	6.730	6.730	(1.000)	176940	40.0000	
13 2-Methylphenol	108	7.141	7.141	(1.061)	187331	40.0000	40
14 2,2'-Oxybis(1-chloropropane)	45	7:182	7.182	(1.067)	330794	40.0000	41
$ 15 4-Methylphenol-d8	113	7.306	7.306	(1.085)	171771	40.0000	40
16 Acetophenone	105	7.347	7.347	(1.092)	307498	40.0000	41
17 4-Methylphenol	108	7.347	7.347	(1.092)	189394	40.0000	40

Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	19 N-Nitroso-di-n-propylamine	70	7.388	7.388	(1.098)	195807	40.0000	39
	20 Hexachloroethane	117	7.470	7.470	(1.110)	151854	40.0000	41
$	21 Nitrobenzene-d5	128	7.562	7.562	(0.881)	102404	40.0000	39
	22 Nitrobenzene	77	7.593	7.593	(0.885)	337258	40.0000	40
	23 Isophorone	82	7.922	7.922	(0.923)	547909	40.0000	40
$	24 2-Nitrophenol-d4	143	8.035	8.035	(0.937)	119087	40.0000	40
	25 2-Nitrophenol	139	8.055	8.055	(0.939)	118445	40.0000	38
	26 2,4-Dimethylphenol	107	8.117	8.117	(0.946)	264091	40.0000	40
	27 Bis(2-chloroethoxy)methane	93	8.250	8.250	(0.962)	260455	40.0000	40
$	28 2,4-Dichlorophenol-d3	165	8.374	8.374	(0.976)	181318	40.0000	40
	29 2,4-Dichlorophenol	162	8.384	8.384	(0.977)	178450	40.0000	40
*	30 Naphthalene-d8	136	8.579	8.579	(1.000)	582032	40.0000	
	31 Naphthalene	128	8.600	8.600	(1.002)	579832	40.0000	40
$	32 4-Chloroaniline-d4	131	8.692	8.692	(1.013)	230378	40.0000	39
	33 4-Chloroaniline	127	8.713	8.713	(1.016)	255769	40.0000	40
	34 Hexachlorobutadiene	225	8.877	8.877	(1.035)	154227	40.0000	39
	35 Caprolactam	113	9.134	9.134	(1.065)	53190	40.0000	41
	36 4-Chloro-3-methylphenol	107	9.401	9.401	(1.096)	213401	40.0000	40
	37 2-Methylnaphthalene	142	9.586	9.586	(1.117)	358920	40.0000	40
	38 1,2,4,5-Tetrachlorobenzene	216	9.883	9.883	(0.893)	181089	40.0000	40
	39 Hexachlorocyclopentadiene	237	9.914	9.914	(0.896)	129883	40.0000	40
	40 2,4,6-Trichlorophenol	196	10.017	10.017	(0.905)	119948	40.0000	40
	41 2,4,5-Trichlorophenol	196	10.068	10.068	(0.910)	119290	40.0000	38
	42 1,1'-Biphenyl	154	10.253	10.253	(0.927)	430913	40.0000	40
	43 2-Chloronaphthalene	162	10.263	10.263	(0.928)	370931	40.0000	40
	44 2-Nitroaniline	65	10.448	10.448	(0.944)	190475	40.0000	41
$	45 Dimethylphthalate-d6	166	10.715	10.715	(0.968)	452697	40.0000	41
	46 Dimethylphthalate	163	10.746	10.746	(0.971)	481978	40.0000	40
$	47 Acenaphthylene-d8	160	10.839	10.839	(0.980)	550305	40.0000	40
	48 Acenaphthylene	152	10.859	10.859	(0.981)	583345	40.0000	40
	49 2,6-Dinitrotoluene	165	10.839	10.839	(0.980)	110061	40.0000	40
	50 3-Nitroaniline	138	11.023	11.023	(0.996)	97188	40.0000	39
*	51 Acenaphthene-d10	164	11.065	11.065	(1.000)	284898	40.0000	
	52 Acenaphthene	153	11.116	11.116	(1.005)	346437	40.0000	40
	53 2,4-Dinitrophenol	184	11.157	11.157	(1.008)	47437	40.0000	39
$	54 4-Nitrophenol-d4	143	11.239	11.239	(1.016)	79802	40.0000	39
	55 4-Nitrophenol	109	11.239	11.239	(1.016)	151660	40.0000	40
	56 Dibenzofuran	168	11.332	11.332	(1.024)	492433	40.0000	40
	57 2,4-Dinitrotoluene	165	11.373	11.373	(1.028)	140672	40.0000	41
	58 2,3,4,6-Tetrachlorophenol	232	11.558	11.558	(1.045)	107756	40.0000	41
	59 Diethylphthalate	149	11.722	11.722	(1.059)	550986	40.0000	41
$	60 Fluorene-d10	176	11.763	11.763	(1.063)	320312	40.0000	41
	61 Fluorene	166	11.804	11.804	(1.067)	406887	40.0000	40
	62 4-Chlorophenyl-phenylether	204	11.804	11.804	(1.067)	199127	40.0000	40
	63 4-Nitroaniline	138	11.866	11.866	(1.072)	94068	40.0000	41
$	64 4,6-Dinitro-2methylphenol-d2	200	11.917	11.917	(0.912)	62752	40.0000	38
	65 4,6-Dinitro-2-methylphenol	198	11.927	11.927	(0.913)	65162	40.0000	37(M)

Data File: /chem/R.i/Rsvr.p/rfvsom.b/rfv040.d
Report Date: 27-Apr-2009 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	66 N-Nitrosodiphenylamine	169	11.968	11.968	(0.916)	331694	40.0000	40
	67 4-Bromophenyl-phenylether	248	12.461	12.461	(0.954)	124787	40.0000	40
	68 Hexachlorobenzene	284	12.667	12.667	(0.969)	155796	40.0000	40
	69 Atrazine	200	12.728	12.728	(0.974)	103394	40.0000	40
	70 Pentachlorophenol	266	12.903	12.903	(0.987)	88110	40.0000	38
*	71 Phenanthrene-d10	188	13.067	13.067	(1.000)	472583	40.0000	
	72 Phenanthrene	178	13.098	13.098	(1.002)	556149	40.0000	40
$	73 Anthracene-d10	188	13.139	13.139	(1.006)	458129	40.0000	39
	74 Anthracene	178	13.160	13.160	(1.007)	513408	40.0000	40(M)
	75 Carbazole	167	13.375	13.375	(1.024)	450553	40.0000	39
	76 Di-n-butylphthalate	149	13.920	13.920	(1.065)	809598	40.0000	40
	77 Fluoranthene	202	14.721	14.721	(1.127)	490180	40.0000	39
$	78 Pyrene-d10	212	14.998	14.998	(0.900)	352483	40.0000	41
	79 Pyrene	202	15.029	15.029	(0.902)	491265	40.0000	40
	80 Butylbenzylphthalate	149	15.943	15.943	(0.957)	321867	40.0000	41
	81 3,3'-Dichlorobenzidine	252	16.621	16.621	(0.998)	124254	40.0000	41
	82 Benzo(a)anthracene	228	16.641	16.641	(0.999)	393918	40.0000	38
*	83 Chrysene-d12	240	16.662	16.662	(1.000)	348841	40.0000	
	84 Chrysene	228	16.693	16.693	(1.002)	339075	40.0000	38
	85 Bis(2-ethylhexyl)phthalate	149	16.734	16.734	(1.004)	351001	40.0000	40
	86 Di-n-octylphthalate	149	17.504	17.504	(0.944)	562162	40.0000	41
	87 Benzo(b)fluoranthene	252	18.028	18.028	(0.972)	349810	40.0000	36
	88 Benzo(k)fluoranthene	252	18.059	18.059	(0.974)	479506	40.0000	42
$	89 Benzo(a)pyrene-d12	264	18.428	18.428	(0.994)	285864	40.0000	39
	90 Benzo(a)pyrene	252	18.459	18.459	(0.996)	345352	40.0000	38
*	91 Perylene-d12	264	18.541	18.541	(1.000)	307890	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	20.205	20.205	(1.090)	526450	40.0000	43
	93 Dibenzo(a,h)anthracene	278	20.215	20.215	(1.090)	407189	40.0000	41
	94 Benzo(g,h,i)perylene	276	20.678	20.678	(1.115)	445655	40.0000	44(M)

QC Flag Legend

M - Compound response manually integrated.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QC Summary – SOM01.2 Pesticide

(Hydrogen Carrier Gas)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data – SOM01.2 Pesticide

(Hydrogen Carrier Gas)

2P - FORM II PEST-2
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column(1):RTX-CLP ID:0.32 (mm) GC Column(2):RTX-CLPII ID:0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKO7	77	76	75	75			0
02	PLCSO7	80	80	84	87			0
03	E2QQ1	38	43	37	37			0
04	E2QQ2	45	55	59	38			0
05	E2QR2	64	61	68	66			0
06	E2QR3	52	56	55	70			0
07	E2QR4	40	36	41	52			0
08	E2QR6	48	50	48	62			0
09	E2QR9	44	46	54	52			0
10	E2QS2	* 17D	* 17D	* 362D	94			0
11	E2QQ3	83	82	73	78			0
12	E2QQ4	83	85	71	75			0
13	E2QQ5	87	80	74	97			0
14	E2QQ7	90	82	74	76			0
15	E2QQ8	75	73	62	67			0
16	E2QR5	77	77	70	74			0
17	E2QR7	77	74	67	69			0
18	E2QS1	61	58	55	59			0
19	E2QQ1MS	44	53	58	61			0
20	E2QQ1MSD	50	56	56	57			0
21	E2QQ6	53	60	52	59			0
22	E2QR1	75	73	57	63			0
23	E2QR8	80	83	67	69			0
24	E2QS0	45	60	78	126			0
25								
26								
27								
28								
29								
30								

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(30-150)
(30-150)

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

Page 1 of 1

SOM01.2

3H - FORM III PEST-2
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 0825_1.i GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	53	14	39	47	46-127
Heptachlor	53	17	80	119	35-130
Aldrin	53	88	25	-119*	34-132
Dieldrin	110	16	78	56	31-134
Endrin	110	0	56	51	42-139
4,4'-DDT	110	34	88	49	23-134

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	53	29	28*	51*	0-50	46-127
Heptachlor	53	54	70	52*	0-31	35-130
Aldrin	53	23	-123*	-3*	0-43	34-132
Dieldrin	110	77	55	2	0-38	31-134
Endrin	110	57	52	2	0-45	42-139
4,4'-DDT	110	75	37	28	0-50	23-134

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

RPD: 3 out of 6 outside limits
Spike Recovery: 3 out of 12 outside limits

COMMENTS:

SOM01.2

3H - FORM III PEST-2
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 0825_2.i GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	53	6.5	42	67	46-127
Heptachlor	53	32	89	108	35-130
Aldrin	53	38	29	-17*	34-132
Dieldrin	110	16	92	69	31-134
Endrin	110	0	70	64	42-139
4,4'-DDT	110	51	140	81	23-134

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	53	34	52	25	0-50	46-127
Heptachlor	53	57	47	79*	0-31	35-130
Aldrin	53	26	-23*	-30*	0-43	34-132
Dieldrin	110	74	53	26	0-38	31-134
Endrin	110	64	58	10	0-45	42-139
4,4'-DDT	110	110	54	40	0-50	23-134

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

RPD: 2 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

SOM01.2

3M - FORM III PEST-4
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
PLCSO7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab Sample ID: PLCSO7 LCS Lot No.:

Date Extracted: 05/09/2009 Date Analyzed (1): 05/23/2009

Instrument ID (1): 0825_1.i GC Column (1): RTX-CLP ID: 0.32(mm)

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.7	1.1	65	50-120
Heptachlor epoxide	1.7	1.2	71	50-150
Dieldrin	3.3	2.5	76	30-130
4,4'-DDE	3.3	2.5	76	50-150
Endrin	3.3	2.6	79	50-120
Endosulfan sulfate	3.3	2.6	79	50-120
gamma-Chlordane	1.7	1.3	76	30-130

Instrument ID (2): 0825_2.i GC Column (2): RTX-CLPII ID: 0.32(mm)

Date analyzed (2): 05/23/2009

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.7	1.2	71	50-120
Heptachlor epoxide	1.7	1.3	76	50-150
Dieldrin	3.3	2.5	76	30-130
4,4'-DDE	3.3	2.5	76	50-150
Endrin	3.3	2.6	79	50-120
Endosulfan sulfate	3.3	2.6	79	50-120
gamma-Chlordane	1.7	1.3	76	30-130

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

LCS Recovery: 0 out of 14 outside limits.

COMMENTS:

SOM01.2

4E - FORM IV PEST
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
PBLKO7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: 22MAY091621-R011 Lab Sample ID: PBLKO7

Matrix:(SOIL/SED/WATER) Soil Extraction:(Type) SONC Date Extracted: 05/09/2009

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

Date Analyzed (1): 05/22/2009 Date Analyzed (2): 05/22/2009

Time Analyzed (1): 2355 Time Analyzed (2): 2355

Instrument ID (1): 0825_1.i Instrument ID (2): 0825_2.i

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCSO7	PLCSO7	05/23/2009	05/23/2009
02	E2QQ1	794701	05/23/2009	05/23/2009
03	E2QQ2	794702	05/23/2009	05/23/2009
04	E2QR2	794710	05/23/2009	05/23/2009
05	E2QR3	794711	05/23/2009	05/23/2009
06	E2QR4	794712	05/23/2009	05/23/2009
07	E2QR6	794714	05/23/2009	05/23/2009
08	E2QR9	794717	05/23/2009	05/23/2009
09	E2QS2	794720	05/23/2009	05/23/2009
10	E2QQ3	794703	05/24/2009	05/24/2009
11	E2QQ4	794704	05/24/2009	05/24/2009
12	E2QQ5	794705	05/24/2009	05/24/2009
13	E2QQ7	794707	05/24/2009	05/24/2009
14	E2QQ8	794708	05/24/2009	05/24/2009
15	E2QR5	794713	05/24/2009	05/24/2009
16	E2QR7	794715	05/24/2009	05/24/2009
17	E2QS1	794719	05/24/2009	05/24/2009
18	E2QQ1MS	794701MS	05/24/2009	05/24/2009
19	E2QQ1MSD	794701MD	05/24/2009	05/24/2009
20	E2QQ6	794706	05/24/2009	05/24/2009
21	E2QR1	794709	05/24/2009	05/24/2009
22	E2QR8	794716	05/24/2009	05/24/2009
23	E2QS0	794718	05/24/2009	05/24/2009
24				
25				
26				

COMMENTS:

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SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/22/2009 05/22/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.42 DCB: 5.96

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLK03	22MAY091551-R031	05/22/2009	2101	2.42	5.96
02	RESC01	22MAY091551-R041	05/22/2009	2113	2.42	5.96
03	PEM01	22MAY091551-R051	05/22/2009	2125	2.41	5.95
04	TOXAPH101	22MAY091551-R061	05/22/2009	2136	2.42	5.96
05	TOXAPH201	22MAY091551-R071	05/22/2009	2148	2.42	5.96
06	TOXAPH301	22MAY091551-R081	05/22/2009	2159	2.42	5.96
07	TOXAPH401	22MAY091551-R091	05/22/2009	2211	2.42	5.96
08	TOXAPH501	22MAY091551-R101	05/22/2009	2222	2.42	5.96
09	INDC101	22MAY091551-R111	05/22/2009	2234	2.42	5.96
10	INDC201	22MAY091551-R121	05/22/2009	2245	2.42	5.96
11	INDC301	22MAY091551-R131	05/22/2009	2257	2.42	5.96
12	INDC401	22MAY091551-R141	05/22/2009	2308	2.42	5.96
13	INDC501	22MAY091551-R151	05/22/2009	2320	2.41	5.95
14	PIBLK04	22MAY091551-R161	05/22/2009	2331	2.42	5.96
15	PEM02	22MAY091551-R171	05/22/2009	2343	2.42	5.96
16	PBLK07	22MAY091621-R011	05/22/2009	2355	2.42	5.96
17	PLCS07	22MAY091621-R021	05/23/2009	0006	2.42	5.96
18	E2QQ1	22MAY091621-R031	05/23/2009	0018	2.43	6.00
19	E2QQ2	22MAY091621-R041	05/23/2009	0029	2.44	6.01
20	E2QR2	22MAY091621-R051	05/23/2009	0041	2.41	5.95
21	E2QR3	22MAY091621-R061	05/23/2009	0052	2.43	5.97
22	E2QR4	22MAY091621-R071	05/23/2009	0104	2.43	5.97
23	E2QR6	22MAY091621-R081	05/23/2009	0115	2.43	5.97
24	E2QR9	22MAY091621-R091	05/23/2009	0127	2.43	5.98
25	E2QS2	22MAY091621-R101	05/23/2009	0138	2.42	5.94
26	PIBLK05	22MAY091621-R111	05/23/2009	0150	2.42	5.96
27	INDC302	22MAY091621-R121	05/23/2009	0202	2.41	5.95
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

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

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SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/22/2009 05/22/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.92 DCB: 6.95

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLK03	22MAY091551-R031	05/22/2009	2101	2.92	6.95
02	RESC01	22MAY091551-R041	05/22/2009	2113	2.92	6.95
03	PEM01	22MAY091551-R051	05/22/2009	2125	2.92	6.95
04	TOXAPH101	22MAY091551-R061	05/22/2009	2136	2.92	6.95
05	TOXAPH201	22MAY091551-R071	05/22/2009	2148	2.92	6.95
06	TOXAPH301	22MAY091551-R081	05/22/2009	2159	2.92	6.95
07	TOXAPH401	22MAY091551-R091	05/22/2009	2211	2.93	6.96
08	TOXAPH501	22MAY091551-R101	05/22/2009	2222	2.93	6.96
09	INDC101	22MAY091551-R111	05/22/2009	2234	2.92	6.95
10	INDC201	22MAY091551-R121	05/22/2009	2245	2.92	6.95
11	INDC301	22MAY091551-R131	05/22/2009	2257	2.92	6.95
12	INDC401	22MAY091551-R141	05/22/2009	2308	2.92	6.95
13	INDC501	22MAY091551-R151	05/22/2009	2320	2.93	6.96
14	PIBLK04	22MAY091551-R161	05/22/2009	2331	2.92	6.94
15	PEM02	22MAY091551-R171	05/22/2009	2343	2.92	6.95
16	PBLK07	22MAY091621-R011	05/22/2009	2355	2.93	6.95
17	PLCS07	22MAY091621-R021	05/23/2009	0006	2.93	6.96
18	E2QQ1	22MAY091621-R031	05/23/2009	0018	2.93	6.98
19	E2QQ2	22MAY091621-R041	05/23/2009	0029	2.93	6.98
20	E2QR2	22MAY091621-R051	05/23/2009	0041	2.93	6.96
21	E2QR3	22MAY091621-R061	05/23/2009	0052	2.93	6.96
22	E2QR4	22MAY091621-R071	05/23/2009	0104	2.93	6.97
23	E2QR6	22MAY091621-R081	05/23/2009	0115	2.93	6.96
24	E2QR9	22MAY091621-R091	05/23/2009	0127	2.93	6.97
25	E2QS2	22MAY091621-R101	05/23/2009	0138	2.93	6.95
26	PIBLK05	22MAY091621-R111	05/23/2009	0150	2.93	6.95
27	INDC302	22MAY091621-R121	05/23/2009	0202	2.91	6.93
28						
29						
30						
31						
32						

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

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SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.35 DCB: 5.88

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKK3	24MAY091248-R031	05/24/2009	1349	2.35	5.89
02	RESCK1	24MAY091248-R041	05/24/2009	1401	2.35	5.89
03	PEMK1	24MAY091248-R051	05/24/2009	1413	2.35	5.89
04	TOXAPH1K1	24MAY091248-R061	05/24/2009	1424	2.35	5.89
05	TOXAPH2K1	24MAY091248-R071	05/24/2009	1436	2.33	5.87
06	TOXAPH3K1	24MAY091248-R081	05/24/2009	1448	2.35	5.89
07	TOXAPH4K1	24MAY091248-R091	05/24/2009	1459	2.33	5.87
08	TOXAPH5K1	24MAY091248-R101	05/24/2009	1511	2.35	5.89
09	INDC1K1	24MAY091248-R111	05/24/2009	1522	2.35	5.89
10	INDC2K1	24MAY091248-R121	05/24/2009	1534	2.35	5.88
11	INDC3K1	24MAY091248-R131	05/24/2009	1545	2.35	5.89
12	INDC4K1	24MAY091248-R141	05/24/2009	1557	2.35	5.89
13	INDC5K1	24MAY091248-R151	05/24/2009	1608	2.34	5.87
14	PIBLKK4	24MAY091248-R161	05/24/2009	1620	2.34	5.87
15	PEMK2	24MAY091248-R171	05/24/2009	1631	2.33	5.87
16	E2QQ3	24MAY091257-R011	05/24/2009	1643	2.34	5.87
17	PIBLKK5	24MAY091257-R021	05/24/2009	1654	2.35	5.89
18	E2QQ4	24MAY091257-R031	05/24/2009	1706	2.34	5.87
19	PIBLKK6	24MAY091257-R041	05/24/2009	1717	2.34	5.87
20	E2QQ5	24MAY091257-R051	05/24/2009	1729	2.34	5.88
21	PIBLKK7	24MAY091257-R061	05/24/2009	1741	2.34	5.87
22	E2QQ7	24MAY091257-R071	05/24/2009	1752	2.33	5.87
23	PIBLKK8	24MAY091257-R081	05/24/2009	1804	2.34	5.87
24	E2QQ8	24MAY091257-R091	05/24/2009	1815	2.34	5.88
25	PIBLKK9	24MAY091257-R101	05/24/2009	1827	2.34	5.87
26	E2QR5	24MAY091257-R111	05/24/2009	1839	2.34	5.87
27	PIBLKL1	24MAY091257-R121	05/24/2009	1850	2.34	5.87
28	E2QR7	24MAY091257-R131	05/24/2009	1902	2.34	5.87
29	PIBLKL2	24MAY091257-R141	05/24/2009	1913	2.34	5.87
30	E2QS1	24MAY091257-R151	05/24/2009	1925	2.34	5.87
31	PIBLKL3	24MAY091257-R161	05/24/2009	1937	2.34	5.87
32	PIBLKL4	24MAY091257-R171	05/24/2009	1948	2.34	5.87

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

Page 1 of 2

SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.35 DCB: 5.88

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	PIBLKL5	24MAY091257-R181	05/24/2009	2000	2.34	5.87
34	INDC3K2	24MAY091257-R191	05/24/2009	2011	2.33	5.87
35	E2QQ1MS	24MAY091257-R201	05/24/2009	2023	2.35	5.90
36	PIBLKL6	24MAY091257-R211	05/24/2009	2035	2.33	5.87
37	E2QQ1MSD	24MAY091257-R221	05/24/2009	2046	2.34	5.89
38	PIBLKL7	24MAY091257-R231	05/24/2009	2058	2.34	5.87
39	E2QQ6	24MAY091257-R241	05/24/2009	2109	2.35	5.89
40	PIBLKL8	24MAY091257-R251	05/24/2009	2121	2.34	5.87
41	ZZZZZ	24MAY091257-R261	05/24/2009	2133	2.35	5.89
42	PIBLKL9	24MAY091257-R271	05/24/2009	2144	2.34	5.87
43	E2QR1	24MAY091257-R281	05/24/2009	2156	2.34	5.87
44	PIBLKM1	24MAY091257-R291	05/24/2009	2207	2.34	5.88
45	E2QR8	24MAY091257-R301	05/24/2009	2219	2.34	5.88
46	PIBLKM2	24MAY091257-R311	05/24/2009	2230	2.34	5.87
47	E2QS0	24MAY091257-R321	05/24/2009	2242	2.34	5.89
48	PIBLKM3	24MAY091257-R331	05/24/2009	2254	2.34	5.87
49	PIBLKM4	24MAY091257-R341	05/24/2009	2305	2.34	5.88
50	PIBLKM5	24MAY091257-R351	05/24/2009	2317	2.34	5.88
51	PEMK3	24MAY091257-R361	05/24/2009	2328	2.34	5.88
52						
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63						
64						

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

Page 2 of 2

SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.85 DCB: 6.84

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKK3	24MAY091248-R031	05/24/2009	1349	2.85	6.84
02	RESCK1	24MAY091248-R041	05/24/2009	1401	2.85	6.84
03	PEMK1	24MAY091248-R051	05/24/2009	1413	2.85	6.85
04	TOXAPH1K1	24MAY091248-R061	05/24/2009	1424	2.85	6.84
05	TOXAPH2K1	24MAY091248-R071	05/24/2009	1436	2.83	6.82
06	TOXAPH3K1	24MAY091248-R081	05/24/2009	1448	2.85	6.84
07	TOXAPH4K1	24MAY091248-R091	05/24/2009	1459	2.83	6.82
08	TOXAPH5K1	24MAY091248-R101	05/24/2009	1511	2.85	6.84
09	INDC1K1	24MAY091248-R111	05/24/2009	1522	2.85	6.84
10	INDC2K1	24MAY091248-R121	05/24/2009	1534	2.85	6.85
11	INDC3K1	24MAY091248-R131	05/24/2009	1545	2.85	6.84
12	INDC4K1	24MAY091248-R141	05/24/2009	1557	2.85	6.84
13	INDC5K1	24MAY091248-R151	05/24/2009	1608	2.84	6.83
14	PIBLKK4	24MAY091248-R161	05/24/2009	1620	2.84	6.83
15	PEMK2	24MAY091248-R171	05/24/2009	1631	2.84	6.83
16	E2QQ3	24MAY091257-R011	05/24/2009	1643	2.84	6.83
17	PIBLKK5	24MAY091257-R021	05/24/2009	1654	2.85	6.84
18	E2QQ4	24MAY091257-R031	05/24/2009	1706	2.84	6.83
19	PIBLKK6	24MAY091257-R041	05/24/2009	1717	2.84	6.83
20	E2QQ5	24MAY091257-R051	05/24/2009	1729	2.84	6.84
21	PIBLKK7	24MAY091257-R061	05/24/2009	1741	2.84	6.83
22	E2QQ7	24MAY091257-R071	05/24/2009	1752	2.83	6.82
23	PIBLKK8	24MAY091257-R081	05/24/2009	1804	2.84	6.83
24	E2QQ8	24MAY091257-R091	05/24/2009	1815	2.84	6.83
25	PIBLKK9	24MAY091257-R101	05/24/2009	1827	2.83	6.82
26	E2QR5	24MAY091257-R111	05/24/2009	1839	2.84	6.83
27	PIBLKL1	24MAY091257-R121	05/24/2009	1850	2.84	6.83
28	E2QR7	24MAY091257-R131	05/24/2009	1902	2.84	6.83
29	PIBLKL2	24MAY091257-R141	05/24/2009	1913	2.83	6.82
30	E2QS1	24MAY091257-R151	05/24/2009	1925	2.83	6.83
31	PIBLKL3	24MAY091257-R161	05/24/2009	1937	2.84	6.83
32	PIBLKL4	24MAY091257-R171	05/24/2009	1948	2.83	6.83

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

Page 1 of 2

SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.85 DCB: 6.84

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	PIBLKL5	24MAY091257-R181	05/24/2009	2000	2.84	6.83
34	INDC3K2	24MAY091257-R191	05/24/2009	2011	2.83	6.82
35	E2QQ1MS	24MAY091257-R201	05/24/2009	2023	2.84	6.84
36	PIBLKL6	24MAY091257-R211	05/24/2009	2035	2.85	6.84
37	E2QQ1MSD	24MAY091257-R221	05/24/2009	2046	2.85	6.85
38	PIBLKL7	24MAY091257-R231	05/24/2009	2058	2.84	6.83
39	E2QQ6	24MAY091257-R241	05/24/2009	2109	2.85	6.85
40	PIBLKL8	24MAY091257-R251	05/24/2009	2121	2.83	6.82
41	ZZZZZ	24MAY091257-R261	05/24/2009	2133	2.85	6.85
42	PIBLKL9	24MAY091257-R271	05/24/2009	2144	2.83	6.82
43	E2QR1	24MAY091257-R281	05/24/2009	2156	2.84	6.83
44	PIBLKM1	24MAY091257-R291	05/24/2009	2207	2.84	6.83
45	E2QR8	24MAY091257-R301	05/24/2009	2219	2.84	6.83
46	PIBLKM2	24MAY091257-R311	05/24/2009	2230	2.83	6.82
47	E2QS0	24MAY091257-R321	05/24/2009	2242	2.84	6.84
48	PIBLKM3	24MAY091257-R331	05/24/2009	2254	2.84	6.83
49	PIBLKM4	24MAY091257-R341	05/24/2009	2305	2.84	6.83
50	PIBLKM5	24MAY091257-R351	05/24/2009	2317	2.84	6.83
51	PEMK3	24MAY091257-R361	05/24/2009	2328	2.84	6.83
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

Page 2 of 2

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 22MAY091621-R031

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

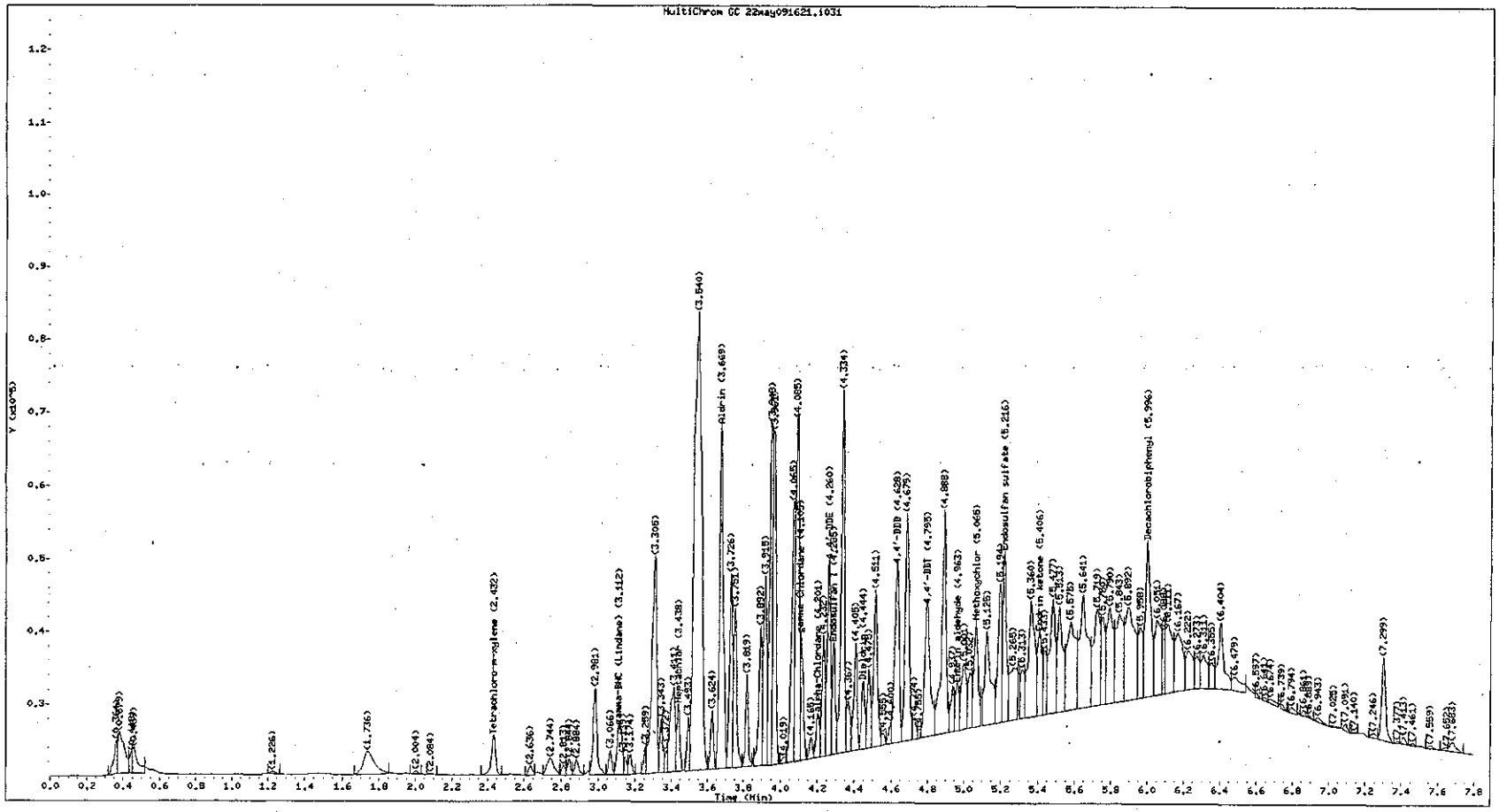
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	6.5	JP
76-44-8	Heptachlor	17	P
309-00-2	Aldrin	38	P
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	9.0	JP
60-57-1	Dieldrin	16	J
72-55-9	4,4'-DDE	21	P
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	51	
1031-07-8	Endosulfan sulfate	34	P
50-29-3	4,4'-DDT	34	P
72-43-5	Methoxychlor	63	JP
53494-70-5	Endrin ketone	22	P
7421-93-4	Endrin aldehyde	18	JP
5103-71-9	alpha-Chlordane	6.1	JP
5103-74-2	gamma-Chlordane	32	P
8001-35-2	Toxaphene	1100	U

SOM01.2

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794701	Client Sample ID: E2QQ1

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 23-MAY-2009 00:18
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 2.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 22may091621-r031.d		
Method	: /var/chem/0825_1.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 15:56 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794701 Client Sample ID: E2QQ1

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 22may091621-r031.d
Method : /var/chem/0825_1.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 15:56 jb3

Sample Type : SAMPLE
Injection Date : 23-MAY-2009 00:18
Injection Vol. (ul): 1.0
Dilution Factor : 2.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.364			6185	4587			
	2	0.379			14062	5719			
	3	0.448			2701	2936			
	4	0.459			7310	3472			
	5	1.226			699	334			
	6	1.736			14078	3182			
	7	2.004			724	456			
	8	2.084			408	255			
$	9	2.432	2.418	0.014	9190	5486	0.01152600		Tetrachloro-m-xylene
	10	2.636			2115	1276			
	11	2.744			6393	2290			
	12	2.813			1827	1355			
	13	2.844			3003	2197			
	14	2.884			3382	2044			
	15	2.981			18157	11938			
	16	3.066			4141	3312			
	17	3.112	3.086	0.027	13351	6928	0.00673147	M	gamma-BHC (Lindane)
	18	3.139			2906	2470		M	
	19	3.174			3611	2772			
	20	3.259			4095	3759			
	21	3.305			56574	29769			
	22	3.343			9043	7506			
	23	3.372			2745	2981			
	24	3.411			22310	11630			
	25	3.438	3.419	0.019	11410	9262	0.00801088	M	Heptachlor
	26	3.493			7534	7350			
	27	3.540			177467	62802			
	28	3.624			8833	7997			
	29	3.669	3.625	0.044	67262	47125	0.04202018	M	Aldrin
	30	3.726			32575	26710			
	31	3.751			29668	21865			
	32	3.819			13690	12607			
	33	3.892			24020	19136			
	34	3.915			32519	25976			
	35	3.948			56709	46851			
	36	3.961			55540	45671			
	37	4.019			1132	793			
	38	4.065			40467	35708			
	39	4.085			72436	48689		M	
	40	4.105	4.099	0.006	18913	17050	0.01509685	M	gamma-Chlordane
	41	4.165			3284	2865			
	42	4.201	4.187	0.014	7580	6000	0.00563203	M	alpha-Chlordane
	43	4.232			20476	16475			
	44	4.260	4.234	0.026	36382	26880	0.02297286	M	4,4'-DDE
	45	4.285	4.268	0.017	18336	15383	0.01449111	M	Endosulfan I
	46	4.334			63189	49705			
	47	4.367			9602	6873			
	48	4.405			18487	14802			
	49	4.444	4.417	0.027	11515	9277	0.00772705	aM	Dieldrin
	50	4.475			14683	10795			
	51	4.511			32436	21426			
	52	4.555			2135	1585			
	53	4.600			3082	2908		M	
	54	4.628	4.598	0.031	43433	24839	0.02467461	M	4,4'-DDD

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.679			49086	31171			
	56	4.724			4378	2908			
	57	4.755			1519	1229		M	
	58	4.795	4.768	0.027	38546	18142	0.01614077	HM	4,4'-DDT
	59	4.888			54783	30652			
	60	4.937			8372	6265			
	61	4.963	4.942	0.021	10419	6544	0.00844116	aM	Endrin aldehyde
	62	5.001			18818	9104			
	63	5.032			11968	7653			
	64	5.065	5.053	0.012	24672	14596	0.03002177	aHM	Methoxychlor
	65	5.125			30346	12878			
	66	5.194			28060	19041			
	67	5.216	5.199	0.017	33106	23361	0.02578256	M	Endosulfan sulfate
	68	5.265			20909	7181			
	69	5.313			10927	6748			
	70	5.360			41296	15914			
	71	5.406	5.368	0.039	20612	11522	0.01043819	HM	Endrin ketone
	72	5.433			12321	8918			
	73	5.477			35300	15746			
	74	5.513			30941	14547			
	75	5.575			43116	12115			
	76	5.641			50493	15490			
	77	5.719			34542	13300			
	78	5.750			19322	12041			
	79	5.790			34576	13173			
	80	5.843			37692	12023			
	81	5.892			48448	12806			
	82	5.958			18243	9709			
$	83	5.996	5.957	0.039	47331	21476	0.02234099	M	Decachlorobiphenyl
	84	6.051			26864	10337			
	85	6.089			10640	9047			
	86	6.111			25904	9539			
	87	6.167			26008	8039			
	88	6.222			15014	5342			
	89	6.273			8664	4508			
	90	6.311			11692	4600			
	91	6.355			6538	3581			
	92	6.404			21308	9103			
	93	6.479			6811	1888			
	94	6.597			649	591			
	95	6.641			660	487			
	96	6.674			1895	648			
	97	6.739			901	674			
	98	6.794			1510	765			
	99	6.861			960	859			
	100	6.889			291	243			
	101	6.943			1395	590			
	102	7.025			699	247			
	103	7.091			1326	1022			
	104	7.140			145	167			
	105	7.246			1180	612			
	106	7.299			17913	11361			
	107	7.377			293	272			
	108	7.413			1212	906			
	109	7.461			398	296			
	110	7.559			881	417			
	111	7.652			782	484			
	112	7.683			3015	1273			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Reported: 05/25/2009 15:56 jb3 22may091621-r031.d Page 2

TestAmerica Burlington - Target GC Injection Report

Target Compounds

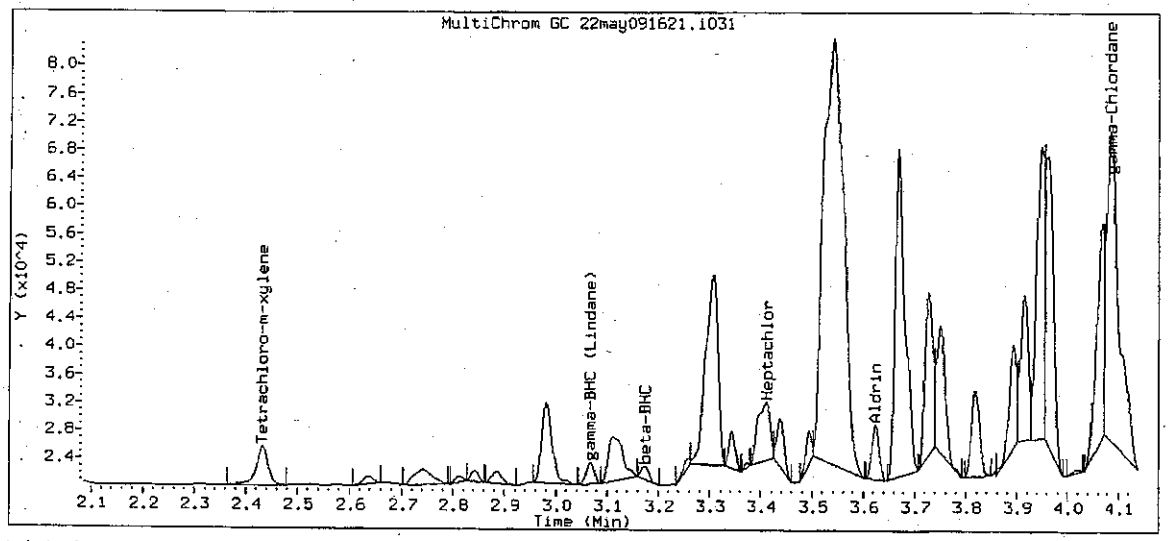
Peak RT	Expected RT	Target Compound
2.432	2.418	Tetrachloro-m-xylene
	2.852	alpha-BHC
3.112	3.086	gamma-BHC (Lindane)
	3.148	beta-BHC
	3.269	delta-BHC
3.438	3.419	Heptachlor
3.669	3.625	Aldrin
	4.019	Heptachlor epoxide
4.105	4.099	gamma-Chlordane
4.201	4.187	alpha-Chlordane
4.260	4.234	4,4'-DDE
4.285	4.268	Endosulfan I
4.444	4.417	Dieldrin
	4.558	Endrin
4.628	4.598	4,4'-DDD
	4.690	Endosulfan II
	4.690	Toxaphene
4.795	4.768	4,4'-DDT
4.963	4.942	Endrin aldehyde
5.065	5.053	Methoxychlor
5.216	5.199	Endosulfan sulfate
5.406	5.368	Endrin ketone
5.996	5.957	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: gamma-BHC (Lindane)

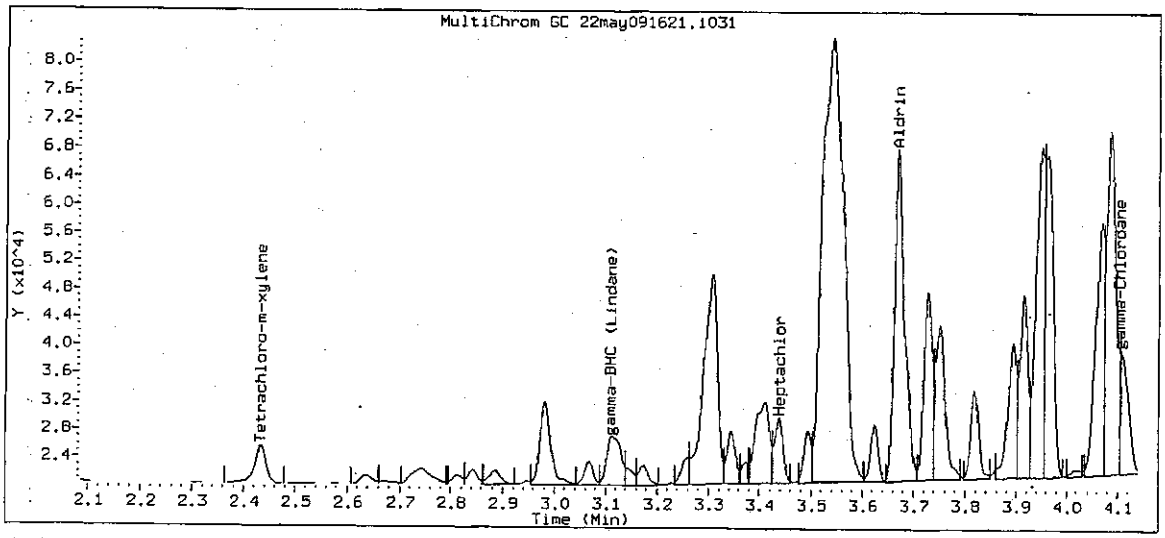
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 58-89-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 3.0657 Height = 3068



Final Integration:

RT = 3.1122 Height = 6928

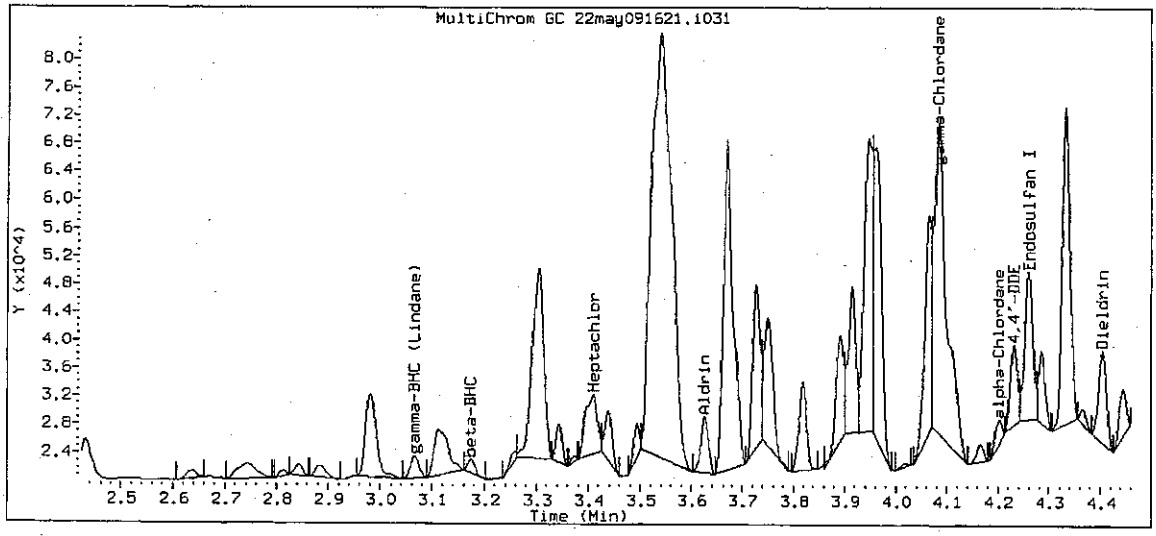
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Heptachlor

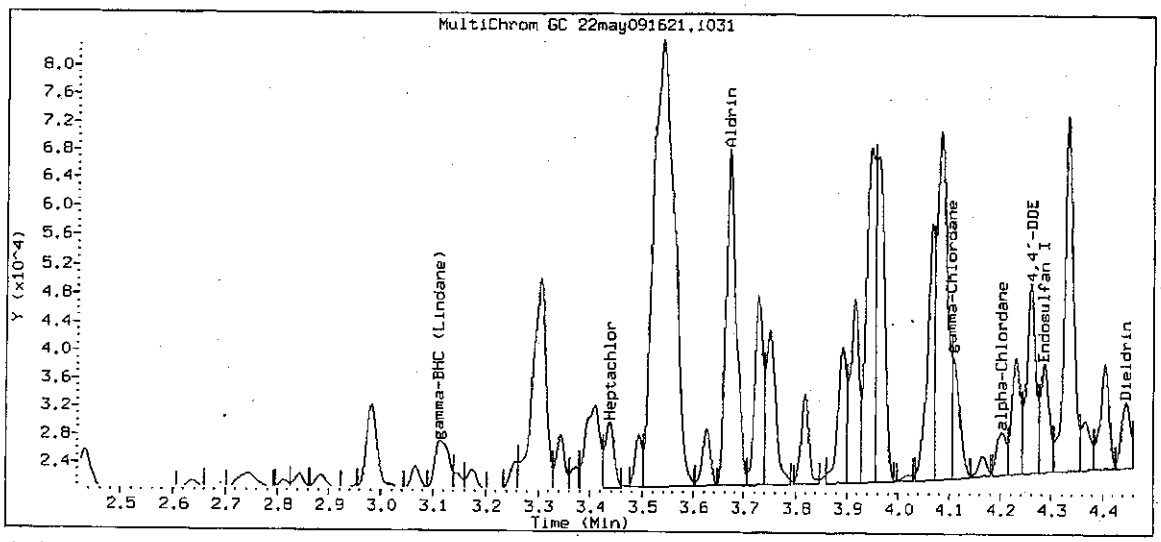
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 76-44-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 3.4114 Height = 8300



Final Integration:

RT = 3.4381 Height = 9262

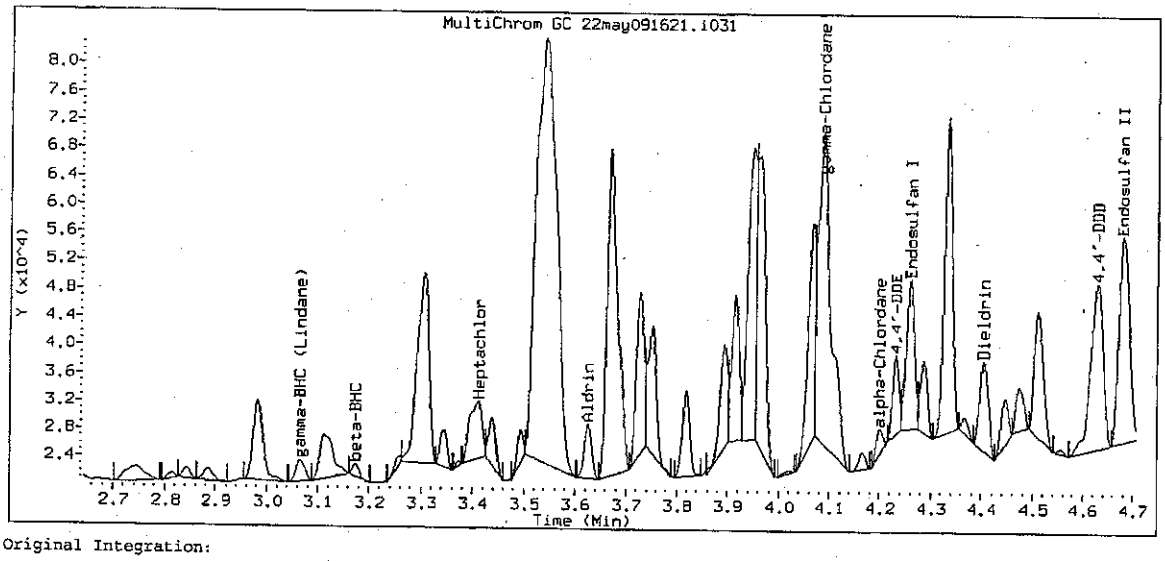
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Aldrin

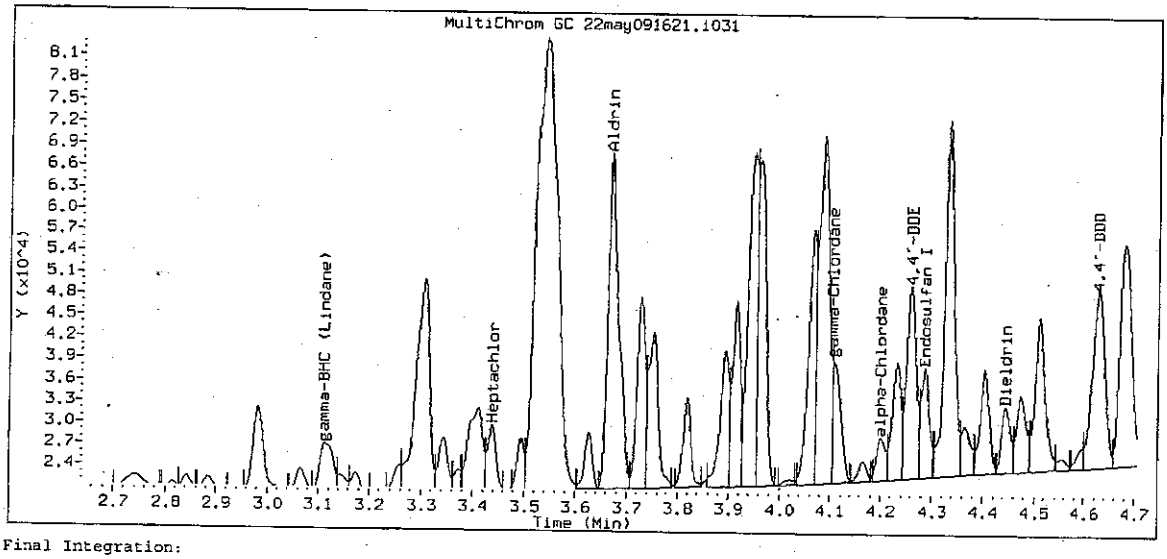
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 309-00-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 3.6242 Height = 7697



Final Integration:

RT = 3.6686 Height = 47125

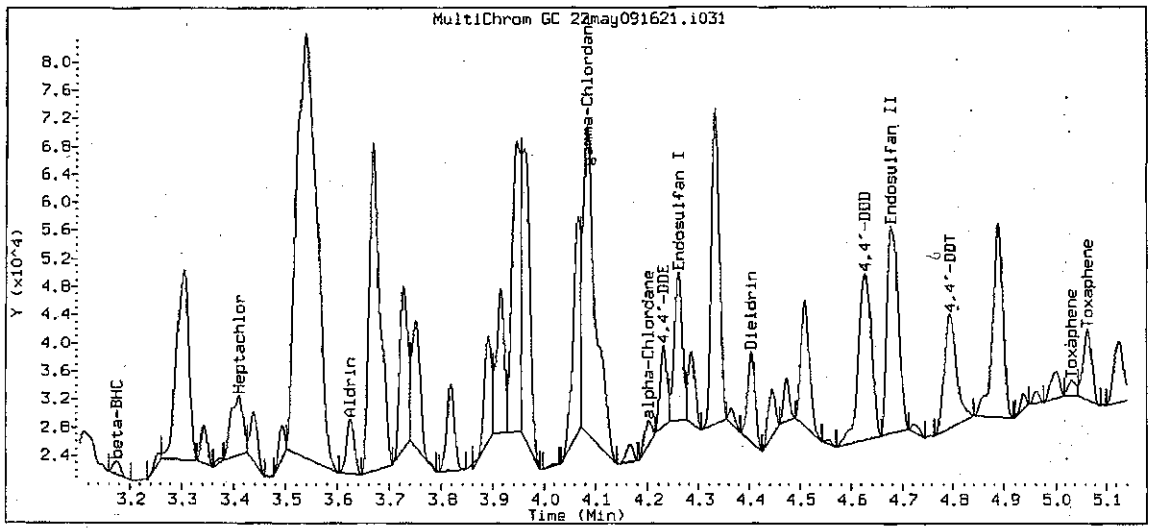
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: gamma-Chlordane

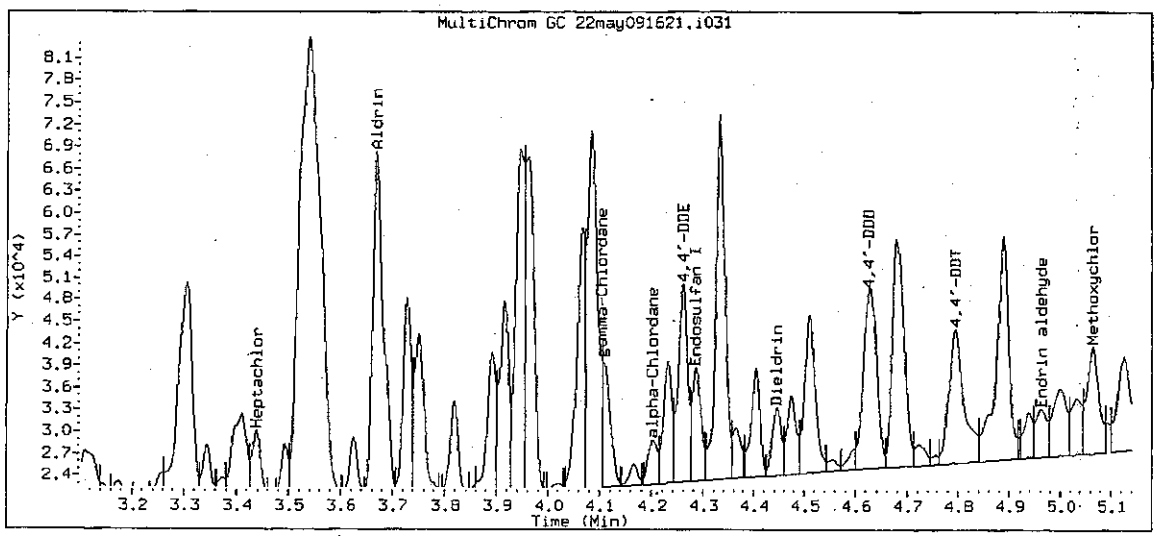
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.0853 Height = 44011



Final Integration:

RT = 4.1053 Height = 17050

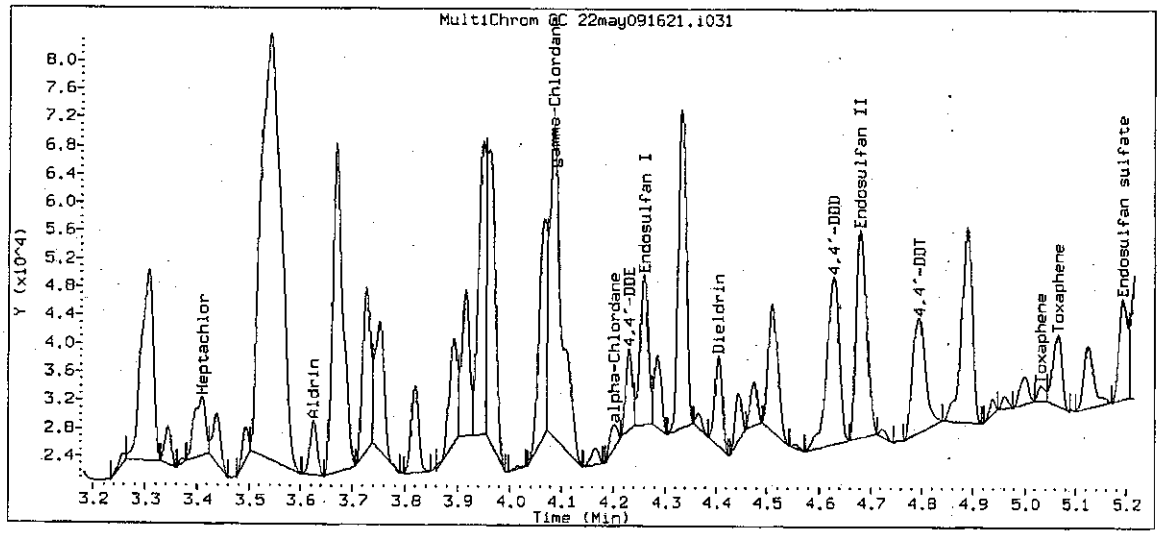
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: alpha-Chlordane

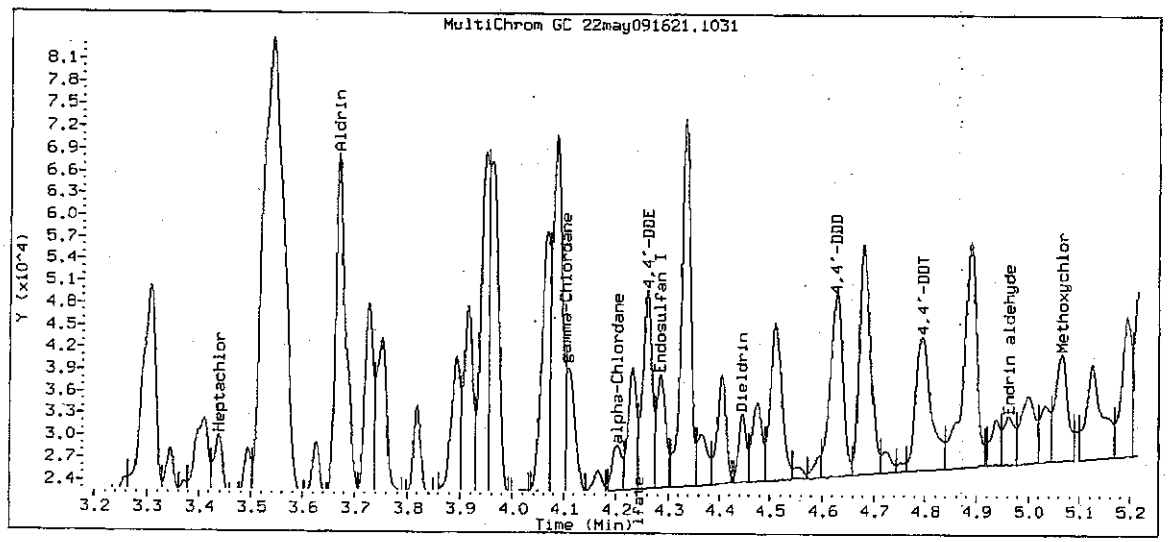
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.2006 Height = 3512



Final Integration:

RT = 4.2006 Height = 6000

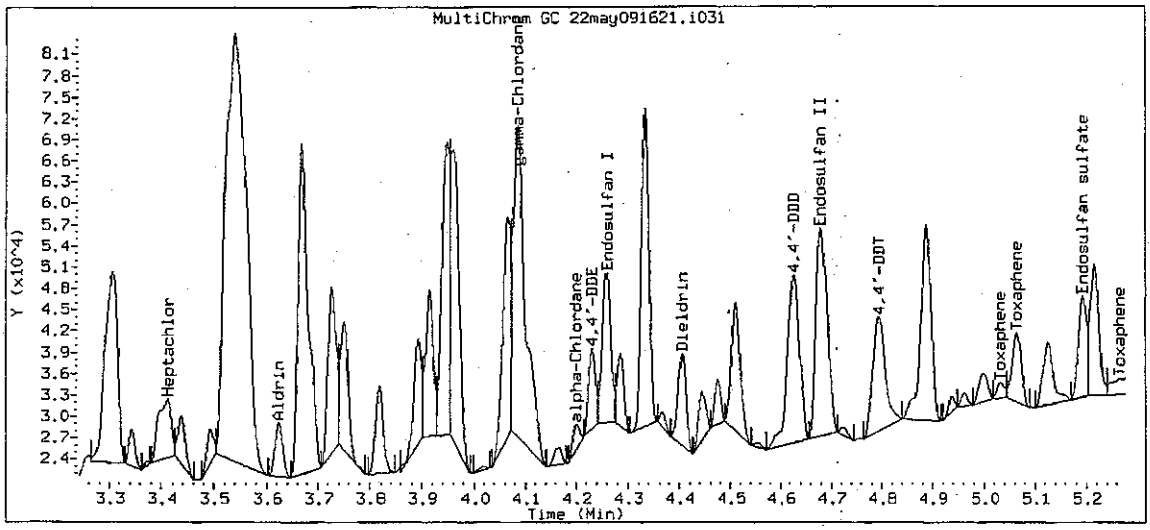
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDE

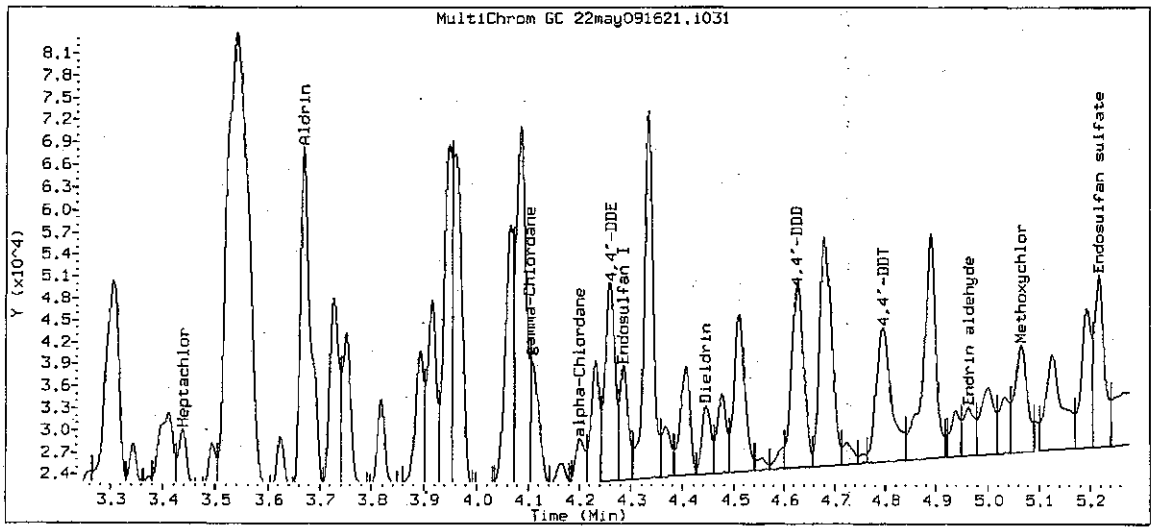
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.2316 Height = 11270



Final Integration:

RT = 4.2604 Height = 26880

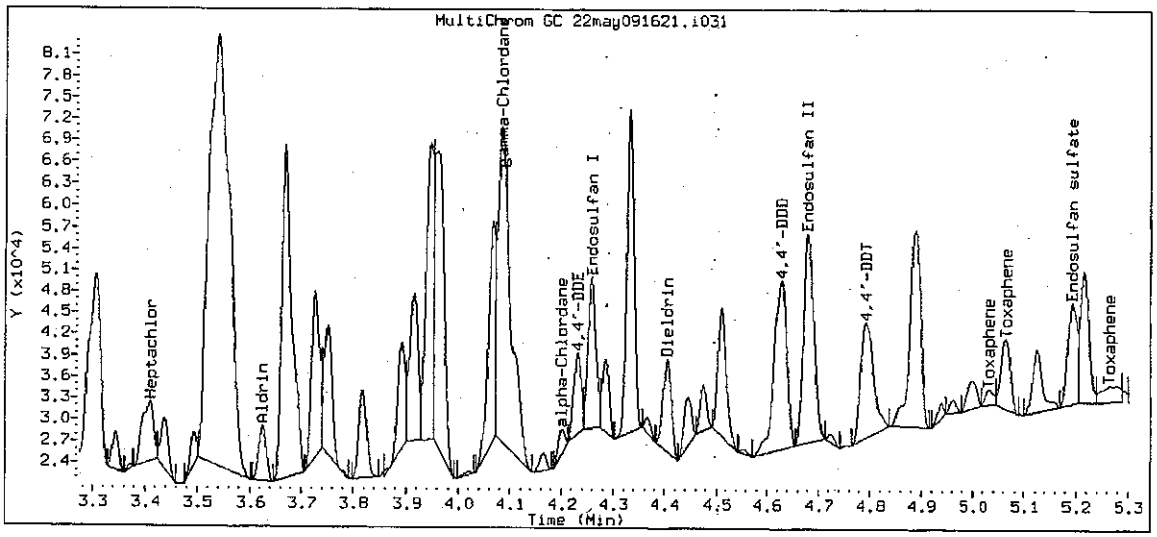
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endosulfan I

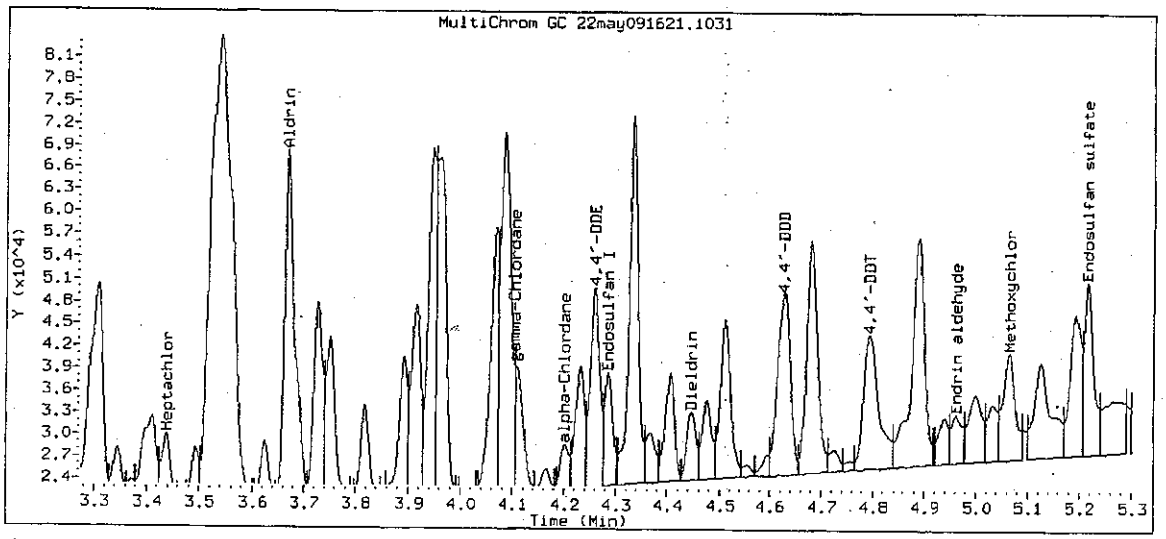
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.2604 Height = 21064



Final Integration:

RT = 4.2848 Height = 15383

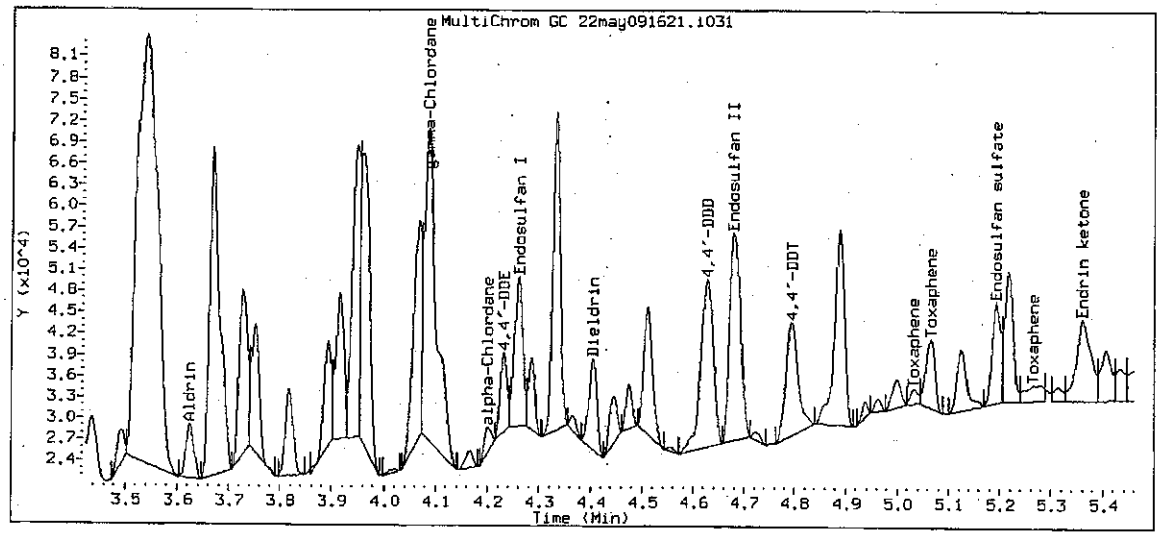
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Dieldrin

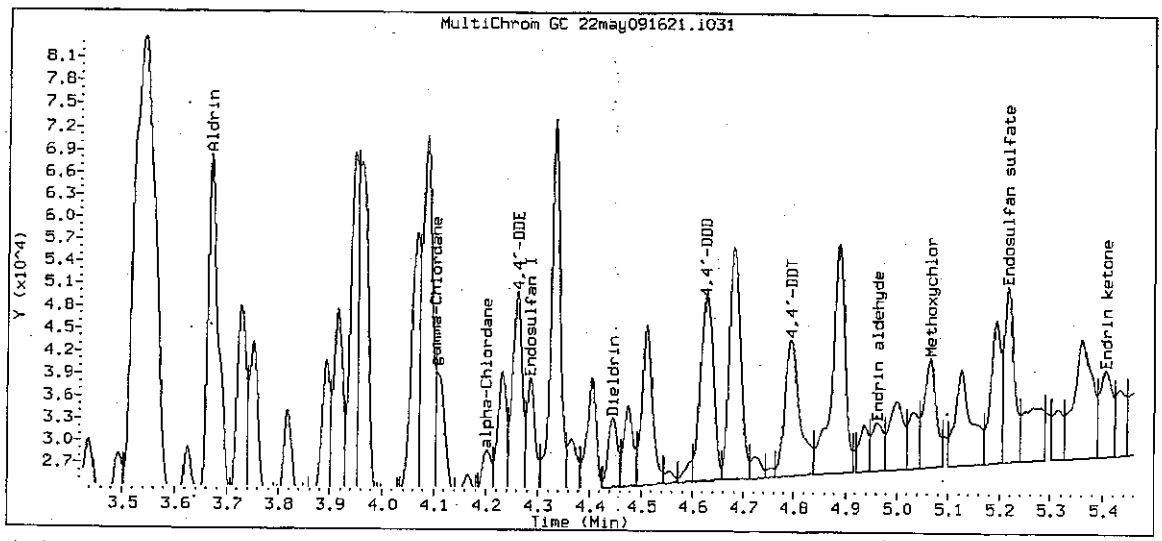
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 60-57-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.4045 Height = 12813



Final Integration:

RT = 4.4444 Height = 9277

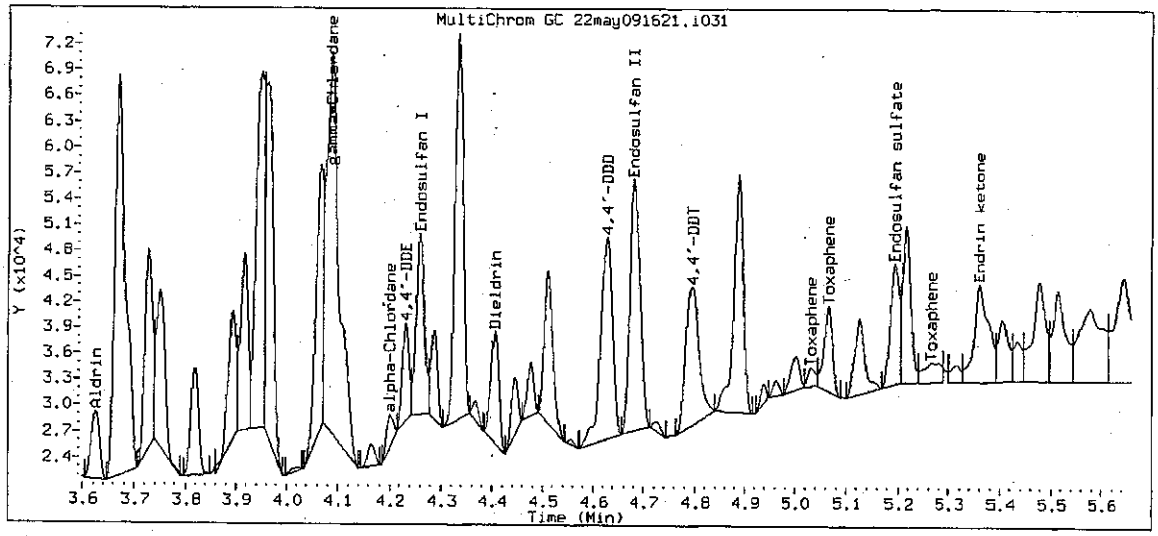
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDD

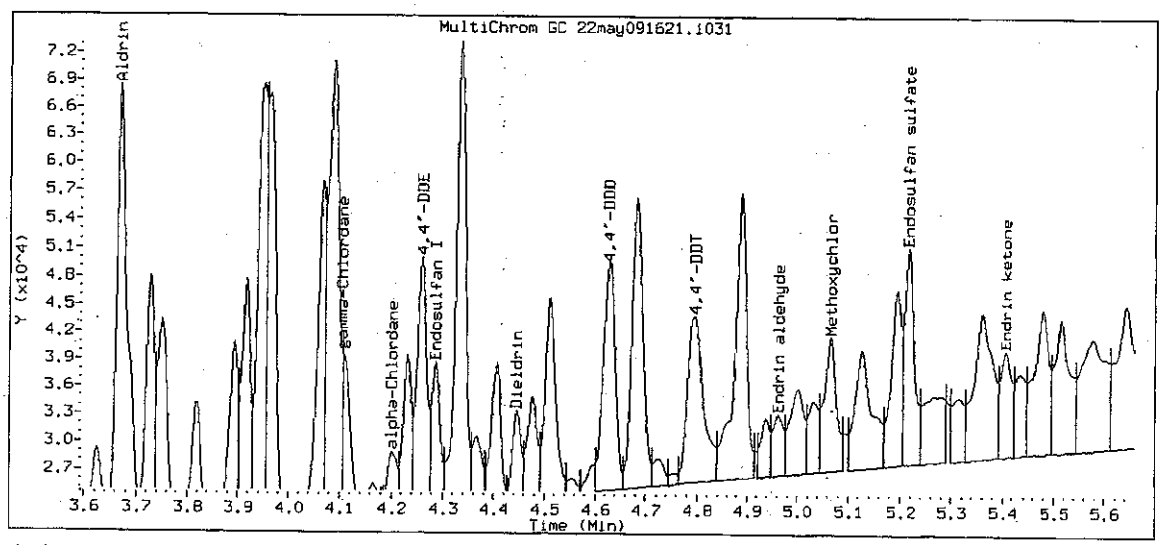
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.6284 Height = 23539



Final Integration:

RT = 4.6284 Height = 24839

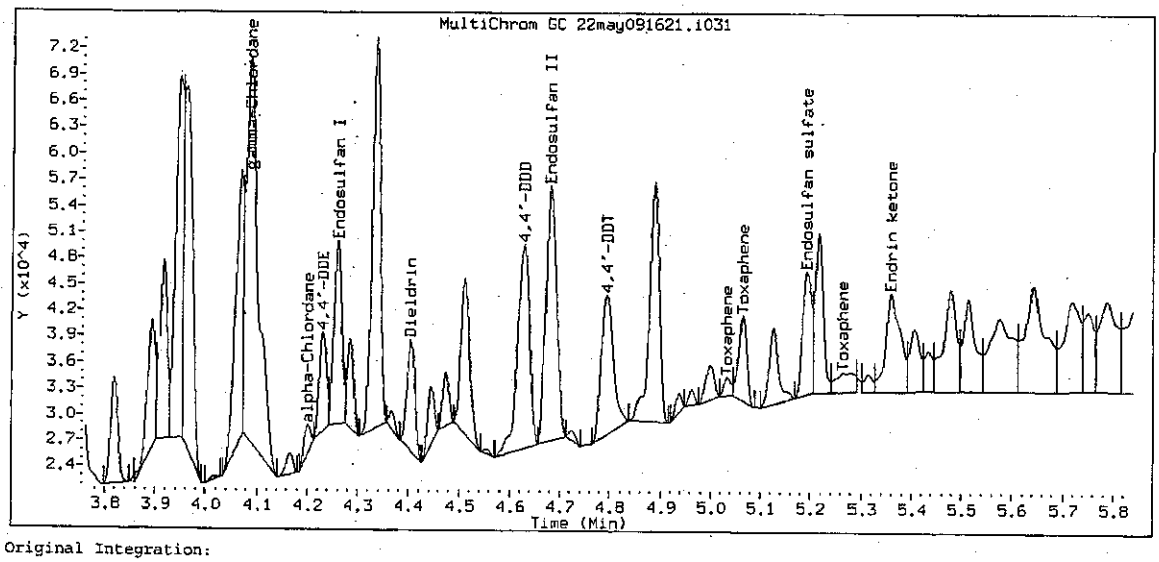
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDT

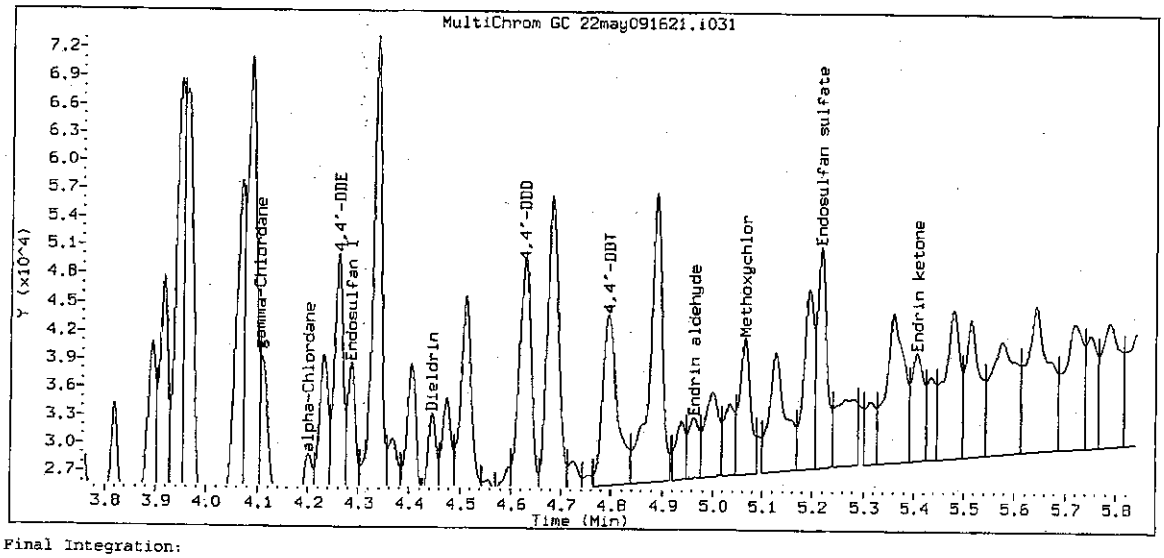
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 4.7946 Height = 16008



Final Integration:

RT = 4.7946 Height = 18142

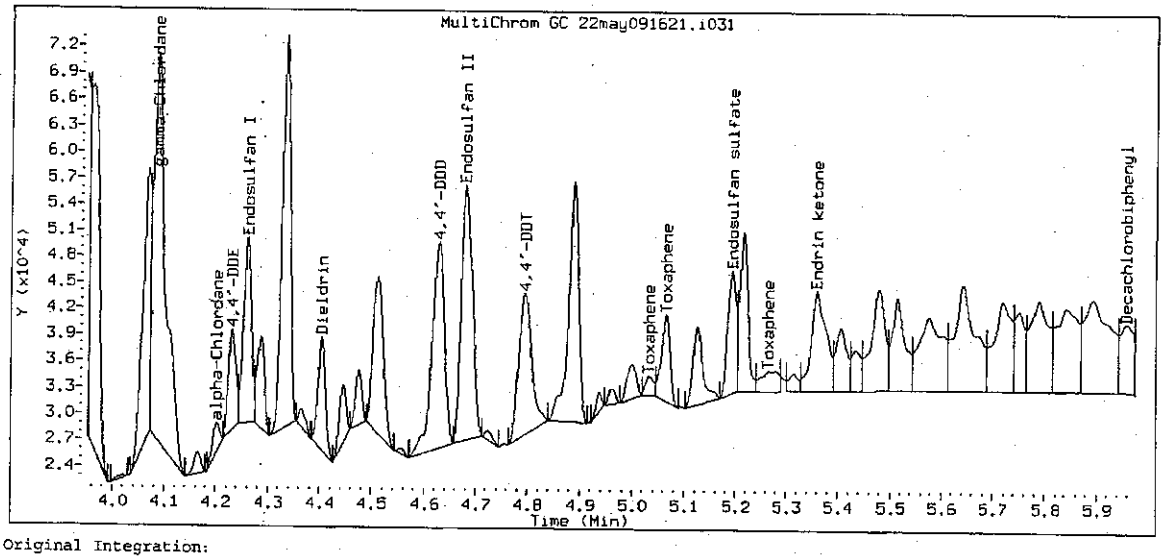
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endrin aldehyde

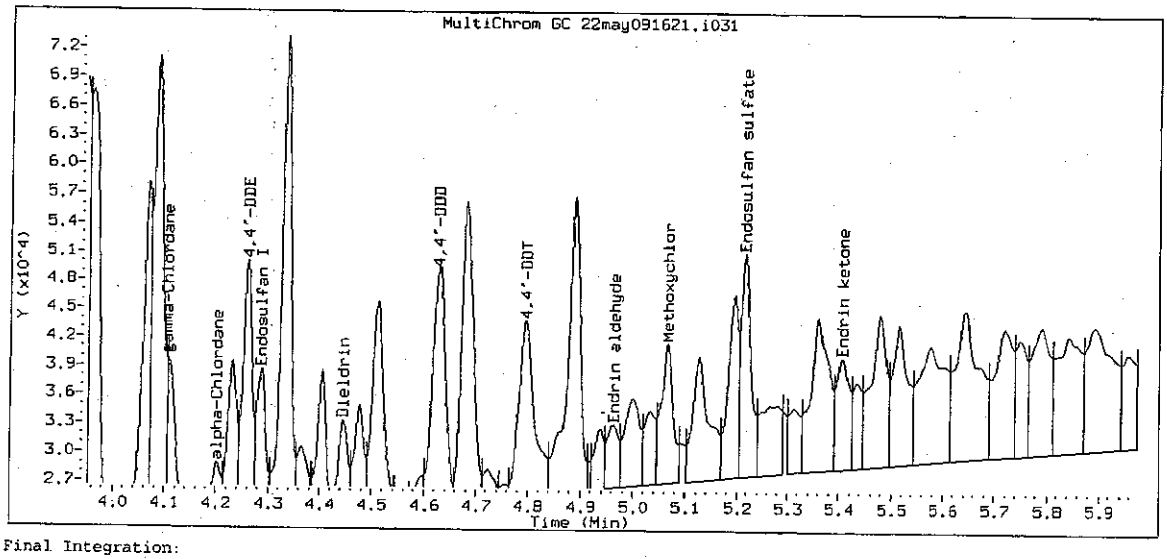
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 7421-93-4

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.9631 Height = 6544

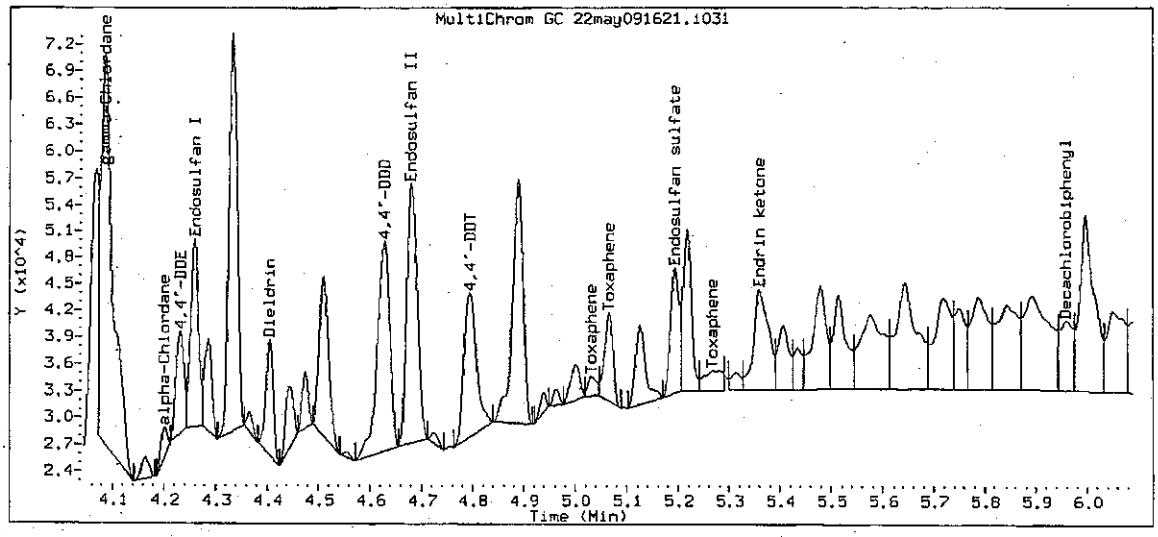
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Methoxychlor

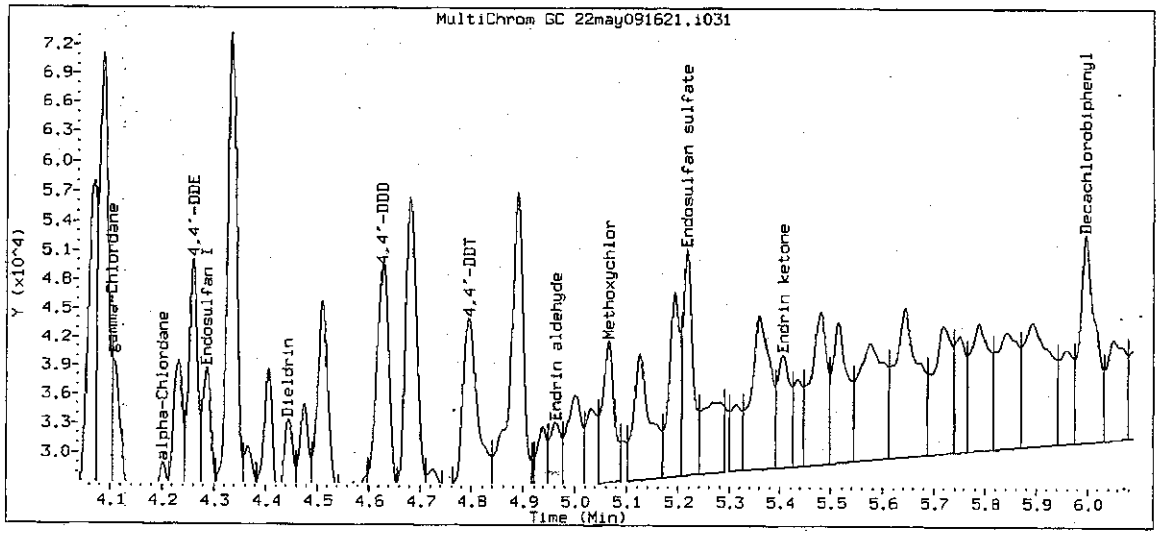
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 72-43-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 5.0651 Height = 14596

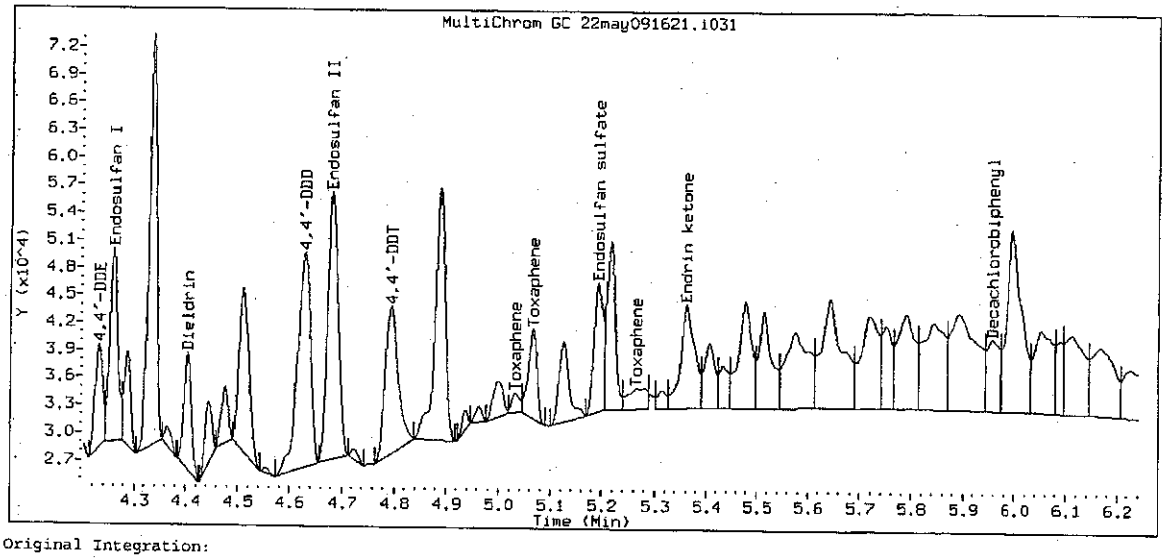
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endosulfan sulfate

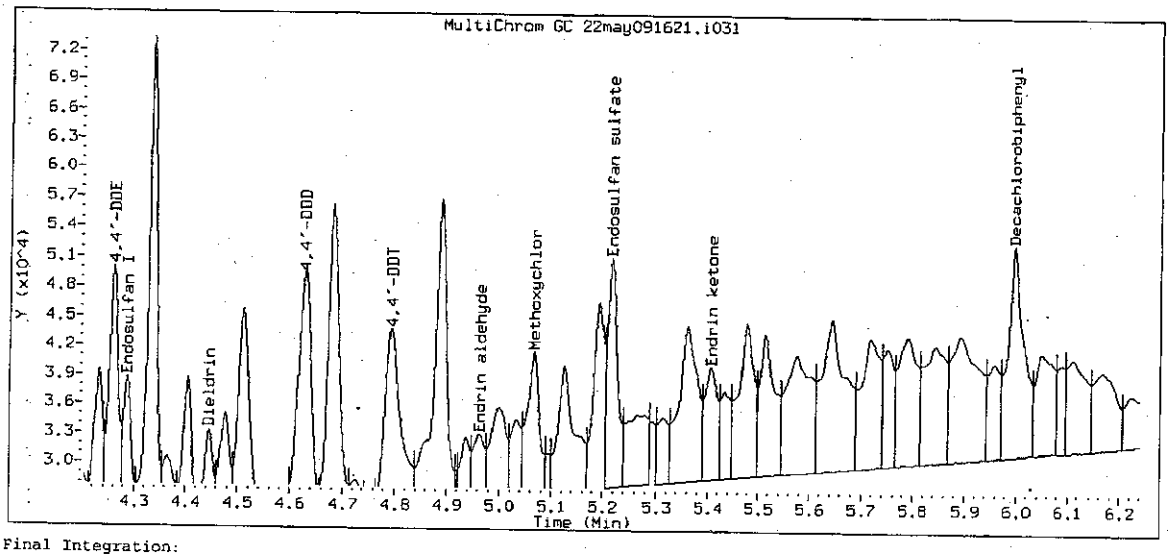
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 1031-07-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 5.1936 Height = 14046



Final Integration:

RT = 5.2158 Height = 23361

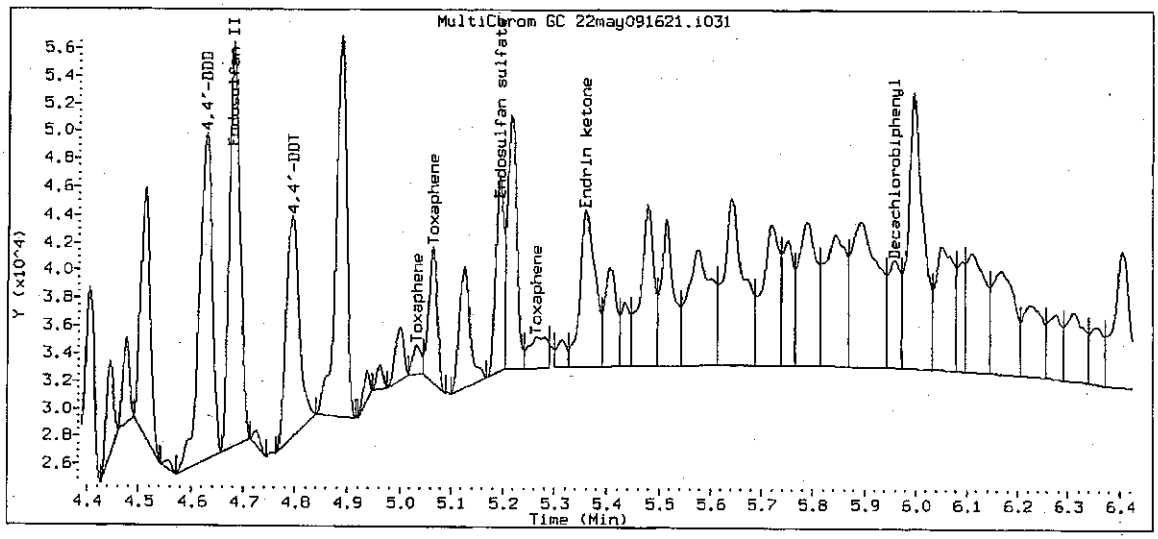
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endrin ketone

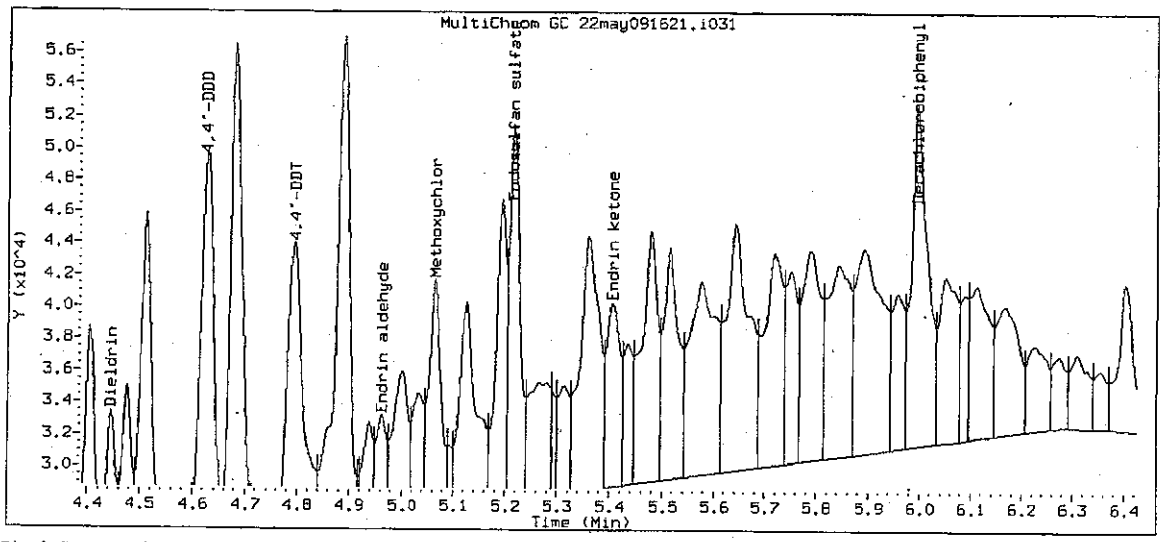
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 53494-70-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 5.3599 Height = 11325



Final Integration:

RT = 5.4065 Height = 11522

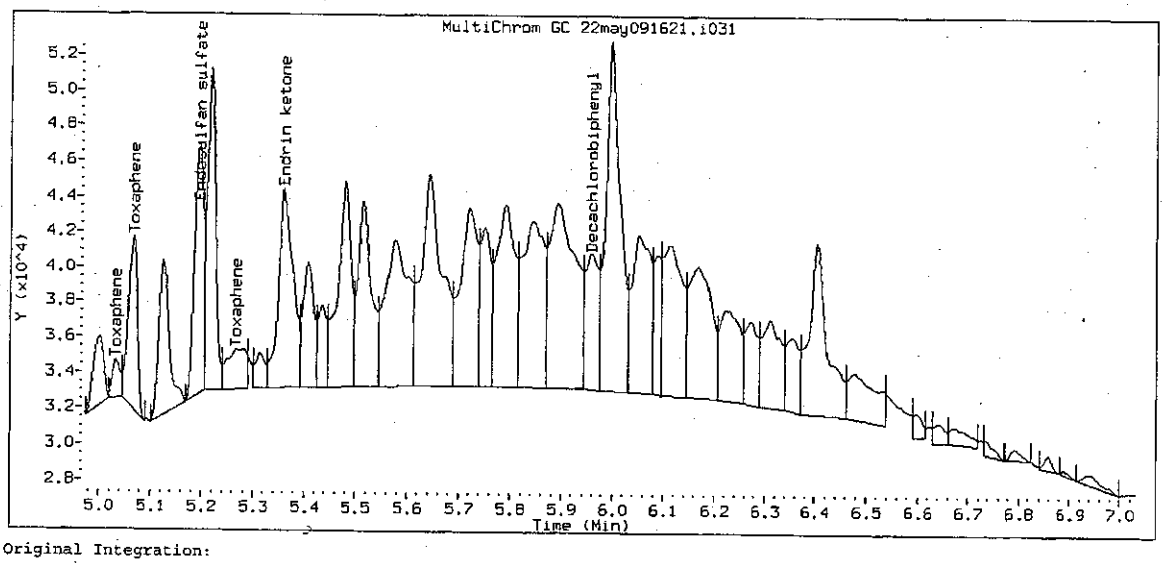
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Decachlorobiphenyl

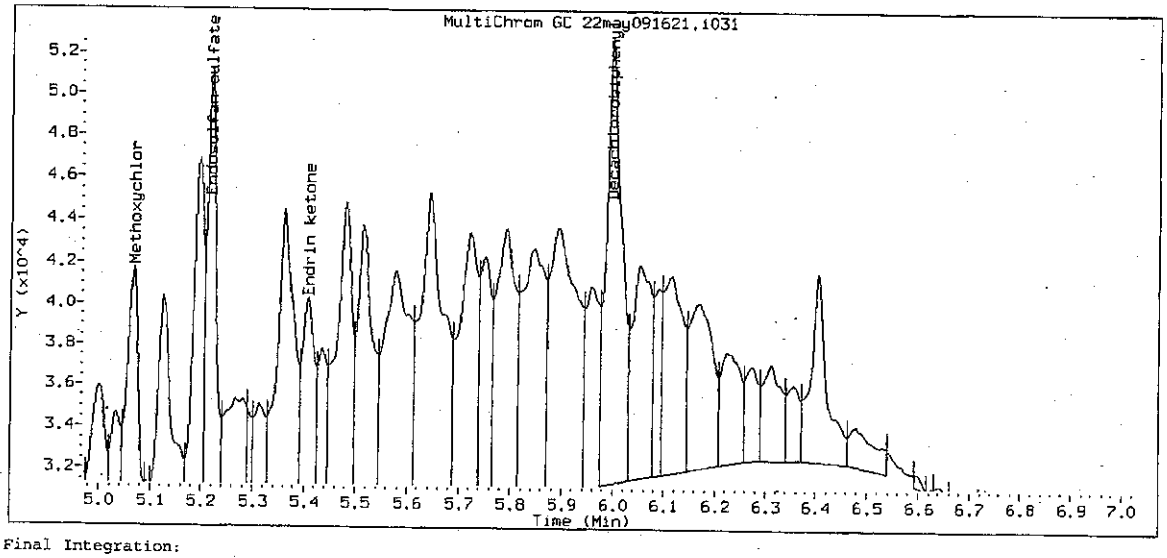
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_1.i
CAS #: 2051-24-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:56



Original Integration:

RT = 5.9584 Height = 7743



Final Integration:

RT = 5.9961 Height = 21476

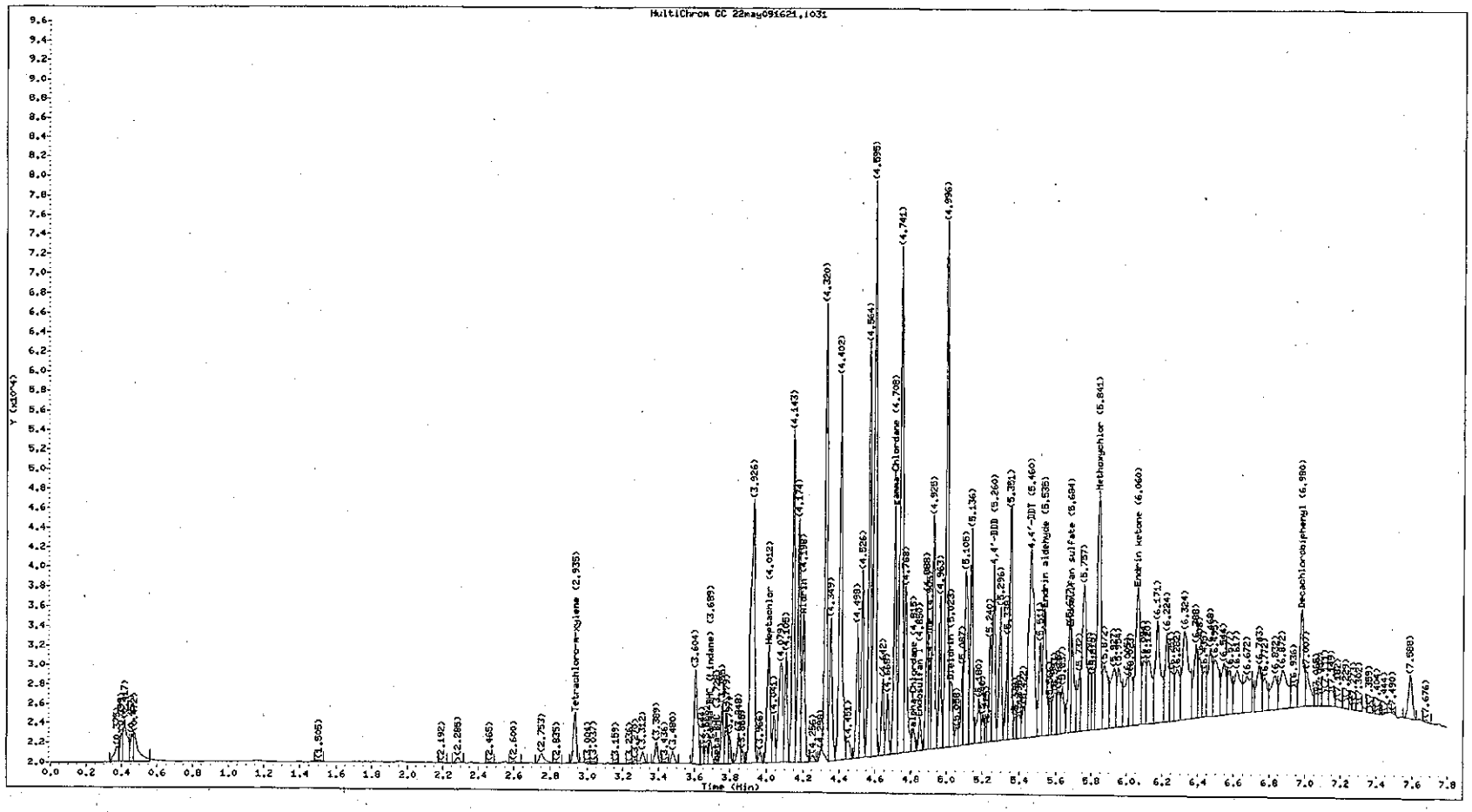
Manual Integration Reason: MI3 - Mis-identification of peak

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794701	Client Sample ID: E2QQ1

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 23-MAY-2009 00:18
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 2.0
Integrator	: Falcon	Compound Sublist	: all

Data File : 22may091621-r031.d
Method : /var/chem/0825_2.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 16:10 jb3



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794701 Client Sample ID: E2QQ1

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 22may091621-r031.d
Method : /var/chem/0825_2.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 16:10 jb3

Sample Type : SAMPLE
Injection Date : 23-MAY-2009 00:18
Injection Vol. (ul): 1.0
Dilution Factor : 2.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.375			2619	1511			
	2	0.399			2947	2894			
	3	0.417			6499	4222			
	4	0.457			2784	2709			
	5	0.472			5898	2917			
	6	1.505			280	163			
	7	2.192			168	118			
	8	2.285			900	593			
	9	2.465			178	133			
	10	2.600			369	225			
	11	2.753			2153	1019			
	12	2.835			228	154			
$	13	2.935	2.922	0.013	5924	5156	0.01304763		Tetrachloro-m-xylene
	14	3.004			199	184			
	15	3.037			306	220			
	16	3.159			146	147			
	17	3.236			143	150			
	18	3.270			525	458			
	19	3.312			1725	1183			
	20	3.389			2445	2091			
	21	3.436			218	181			
	22	3.480			1458	1172			
	23	3.604			13060	9620			
	24	3.644			2267	1821			
	25	3.666			2101	1907			
	26	3.689	3.673	0.016	2871	2445	0.00310565	aM	gamma-BHC (Lindane)
	27	3.728	3.729	-0.001	326	314	0.00000000		beta-BHC
	28	3.755			5724	6020			
	29	3.779			5323	5055			
	30	3.797			2633	2804			
	31	3.848			3592	3043			
	32	3.868			1327	1407			
	33	3.926			39417	26799			
	34	3.966			1230	1219			
	35	4.012	3.992	0.020	14264	11981	0.01510716	M	Heptachlor
	36	4.041			4959	4771			
	37	4.079			15558	10063			
	38	4.105			10757	11182			
	39	4.143			30211	33767			
	40	4.174			25238	24686			
	41	4.198	4.217	-0.018	18499	14951	0.01818934	M	Aldrin
	42	4.256			812	690			
	43	4.298			166	155			
	44	4.320			40331	46029			
	45	4.349			15216	14490			
	46	4.402			43004	39108			
	47	4.451			2832	1835			
	48	4.498			12344	13597			
	49	4.526			18065	18907			
	50	4.564			37861	42086			
	51	4.595			61583	58490			
	52	4.642			7327	7745			
	53	4.668			5856	6138			
	54	4.708	4.703	0.005	24696	25066	0.03080402	M	gamma-Chlordane

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.741			57453	51446			
56	4.768			18637	16720			
57	4.815	4.798	0.017	2596	2315	0.00291058	aM	alpha-Chlordane
58	4.850	4.838	0.012	3190	3319	0.00430091	aM	Endosulfan I
59	4.888			14463	15826			
60	4.905	4.883	0.022	7578	8712	0.01021834	M	4,4'-DDE
61	4.925			25305	23609			
62	4.963			14473	15436			
63	4.996			49352	53394			
64	5.023	5.007	0.016	8741	6663	0.00773784	aM	Dieldrin
65	5.058			2031	1844			
66	5.087			7263	8030			
67	5.105			24365	17577			
68	5.136			22647	21870			
69	5.180			5869	4472			
70	5.200			2805	2759			
71	5.225			1238	1706		M	
72	5.240			10899	10861		M	
73	5.260	5.237	0.023	17154	17847	0.02454972	M	4,4'-DDD
74	5.296			13207	13565			
75	5.338			8634	11260		M	
76	5.351			25729	23791		M	
77	5.378			2225	2242			
78	5.398			3554	2407			
79	5.422			3899	3280			
80	5.460	5.428	0.032	41057	19046	0.02444188	M	4,4'-DDT
81	5.511			10702	9575			
82	5.535	5.520	0.015	18612	12958	0.02301931	M	Endrin aldehyde
83	5.566			3497	3424			
84	5.593			7115	4276			
85	5.615			5830	4463			
86	5.637			6021	4784			
87	5.677			12921	11417		M	
88	5.684	5.683	0.001	12534	10374	0.01610329	M	Endosulfan sulfate
89	5.732			8030	5986			
90	5.757			26781	14843			
91	5.790			6629	5972			
92	5.810			6563	5859			
93	5.841	5.822	0.019	37860	24226	0.06894427	HM	Methoxychlor
94	5.872			13339	6432			
95	5.927			13760	6035			
96	5.954			11875	6049			
97	6.005			9478	4983			
98	6.023			7778	5376			
99	6.060	6.021	0.040	25116	13962	0.01874226	M	Endrin ketone
100	6.094			11355	6475			
101	6.120			14795	6450			
102	6.171			22760	10320			
103	6.224			13739	9065			
104	6.251			7145	5061			
105	6.282			11427	5114			
106	6.324			24112	8962			
107	6.388			12807	7550			
108	6.408			8762	6146			
109	6.435			7215	4755			
110	6.468			11736	6939			
111	6.495			13320	5718			
112	6.544			10613	5277			
113	6.577			8127	4422			
114	6.617			11894	4404			
115	6.672			10988	3663			
116	6.743			10105	4588			
117	6.772			5815	3294			
118	6.832			8781	3437			
119	6.872			12514	3861			
120	6.936			4826	2288			
$ 121	6.980	6.951	0.029	15715	9849	0.02207702	M	Decachlorobiphenyl
122	7.007			6626	3519			
123	7.065			1588	1225			
124	7.082			1777	1328			
125	7.111			3522	1621			

Reported: 05/25/2009 16:10 jb3 22may091621-r031.d Page 2

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
126	7.149			3107	1578			
127	7.182			1706	813			
128	7.229			1875	995			
129	7.273			1019	751			
130	7.302			1577	909			
131	7.359			1326	753			
132	7.404			764	644			
133	7.444			189	198			
134	7.490			229	213			
135	7.588			7053	4377			
136	7.676			313	247			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

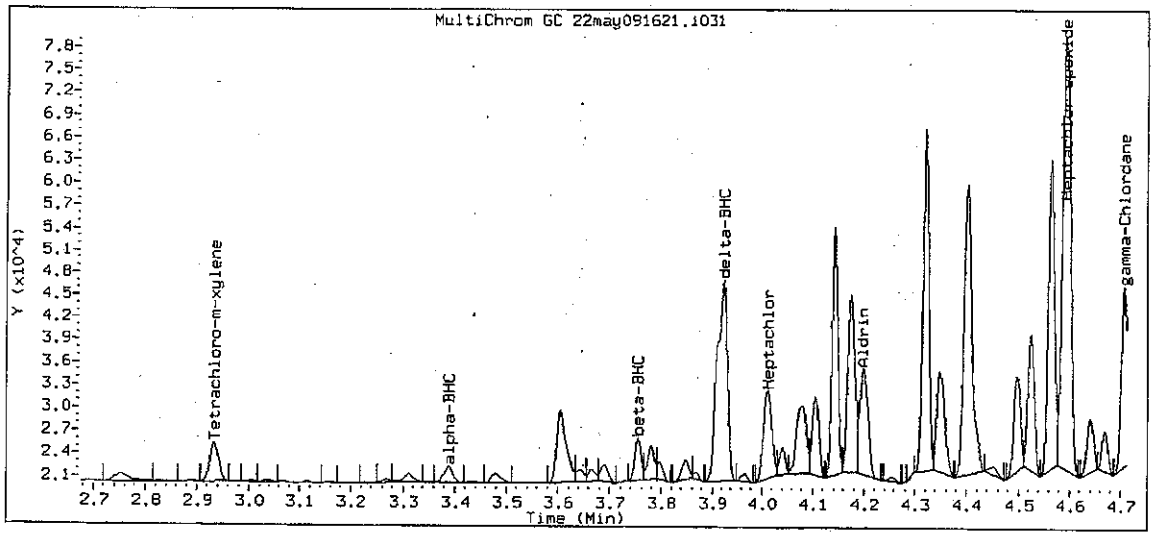
Peak RT	Expected RT	Target Compound
2.935	2.922	Tetrachloro-m-xylene
	3.408	alpha-BHC
3.689	3.673	gamma-BHC (Lindane)
	3.729	beta-BHC
	3.938	delta-BHC
4.012	3.992	Heptachlor
4.198	4.217	Aldrin
	4.584	Heptachlor epoxide
4.708	4.703	gamma-Chlordane
4.815	4.798	alpha-Chlordane
4.850	4.838	Endosulfan I
4.905	4.883	4,4'-DDE
5.023	5.007	Dieldrin
	5.193	Endrin
5.260	5.237	4,4'-DDD
	5.321	Endosulfan II
	5.418	Toxaphene
5.460	5.428	4,4'-DDT
5.535	5.520	Endrin aldehyde
5.684	5.683	Endosulfan sulfate
5.841	5.822	Methoxychlor
6.060	6.021	Endrin ketone
6.980	6.951	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: gamma-BHC (Lindane)

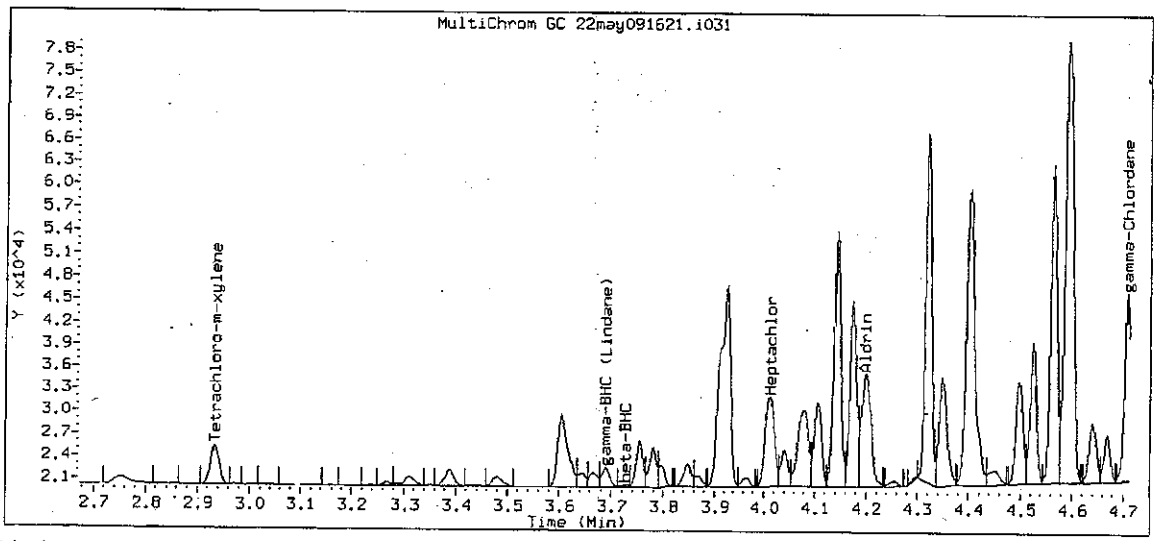
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 58-89-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 3.6885 Height = 2445

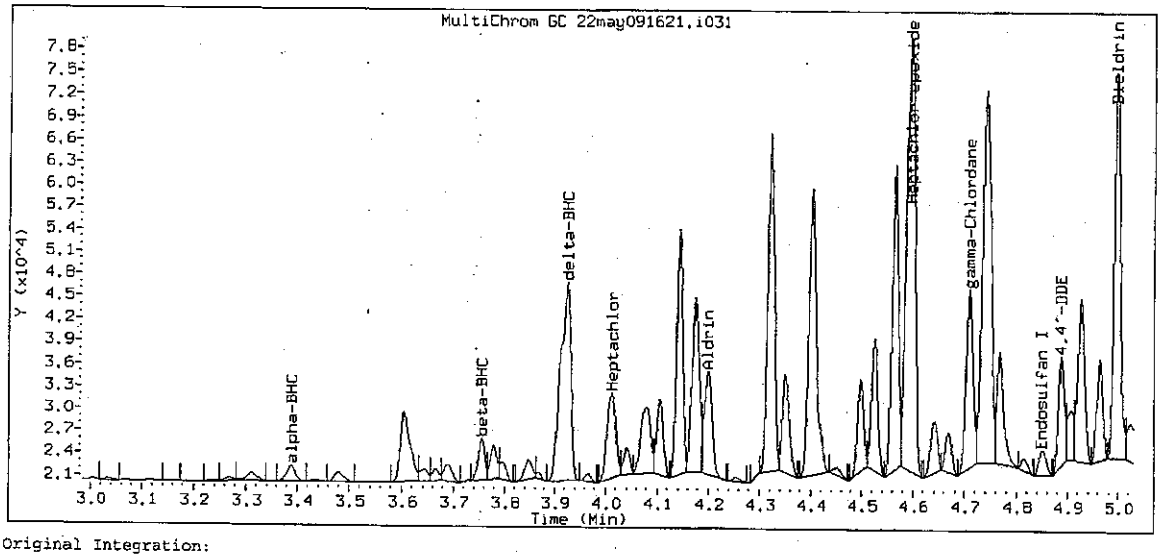
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Heptachlor

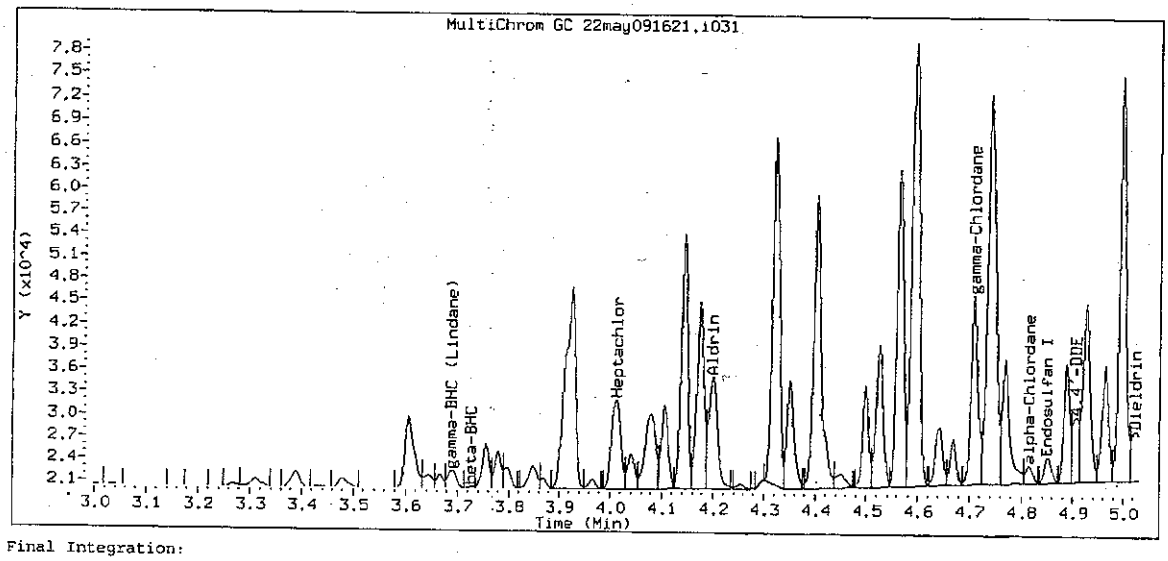
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 76-44-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.0122 Height = 11339



Final Integration:

RT = 4.0122 Height = 11981

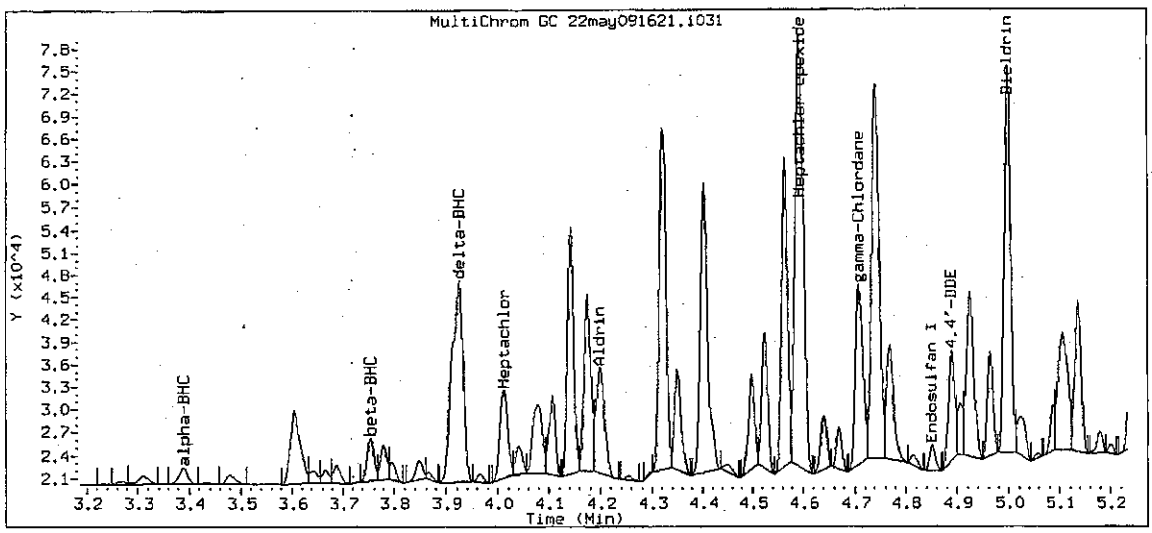
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Aldrin

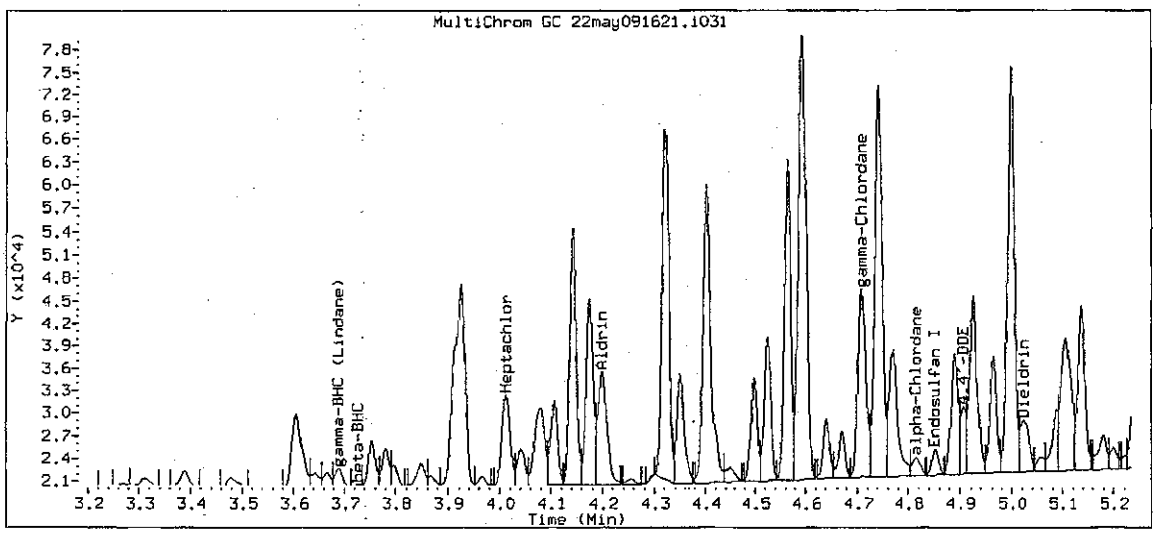
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 309-00-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.1984 Height = 13807



Final Integration:

RT = 4.1984 Height = 14951

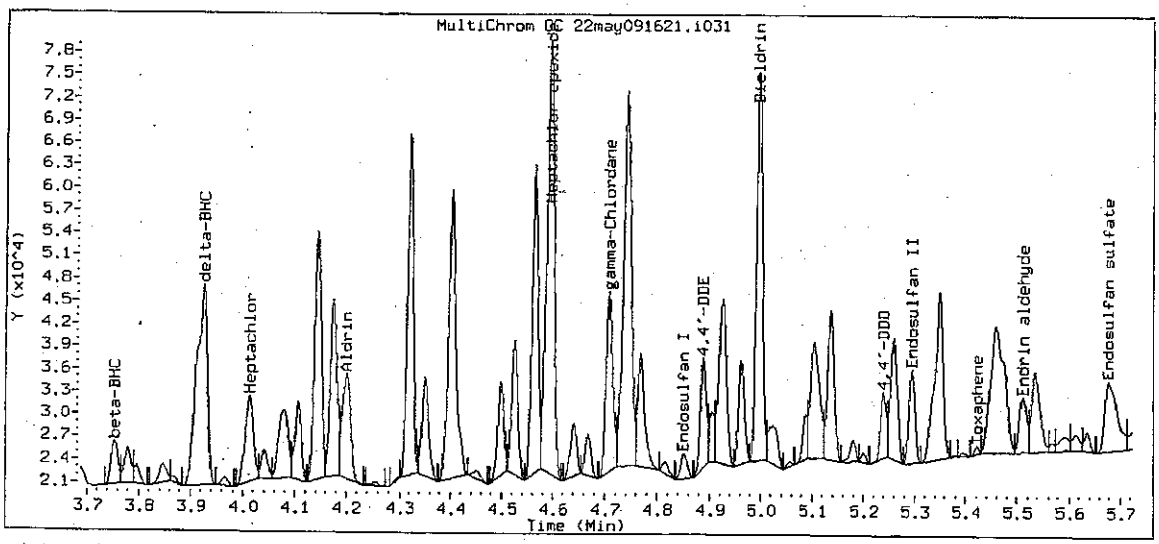
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: gamma-Chlordane

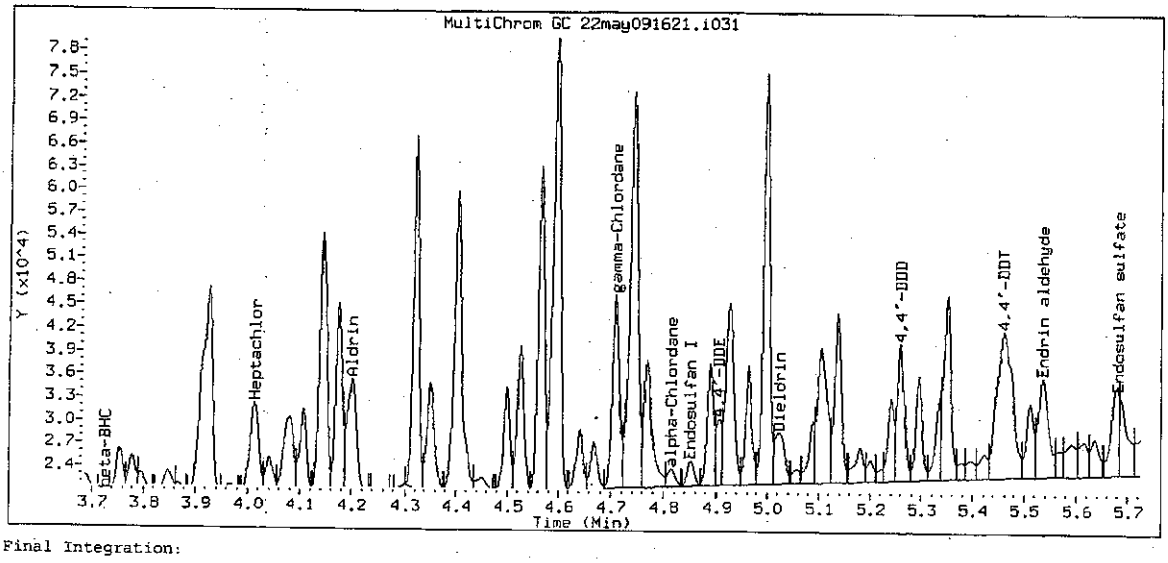
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.7082 Height = 23830



Final Integration:

RT = 4.7082 Height = 25066

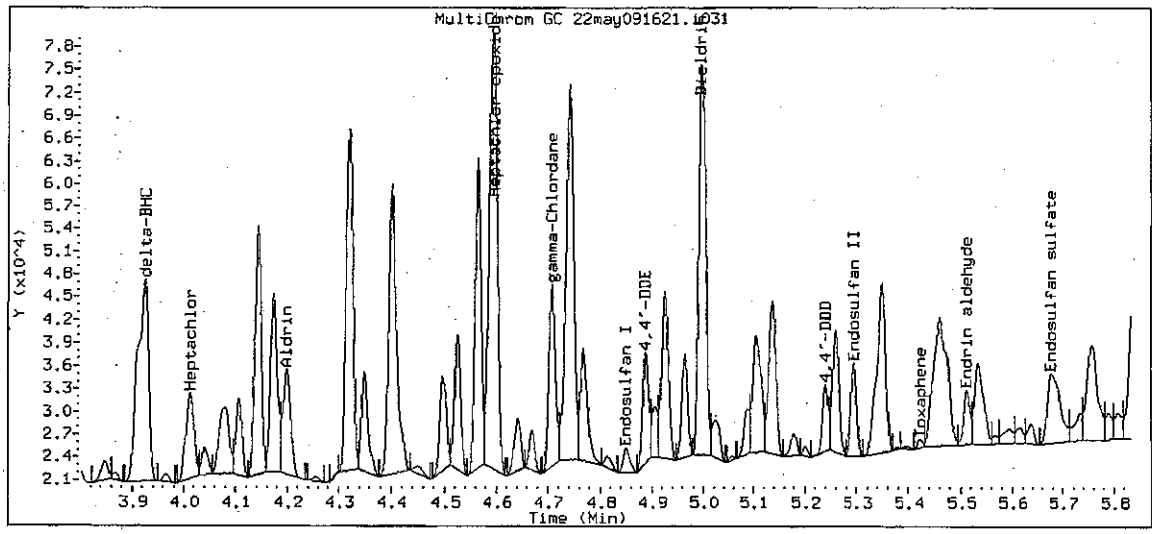
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: alpha-Chlordane

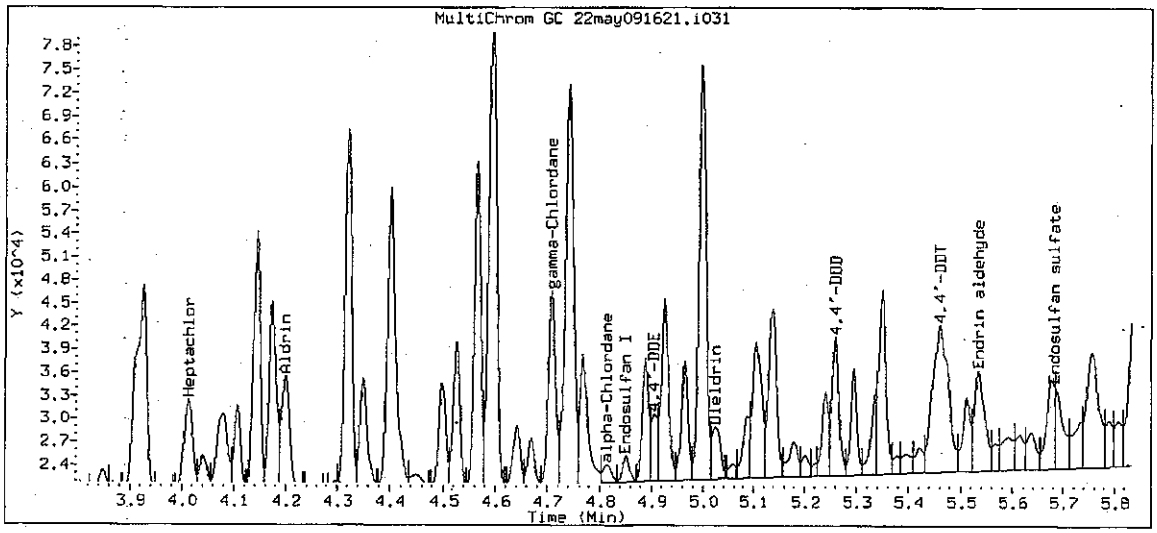
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.8146 Height = 2315

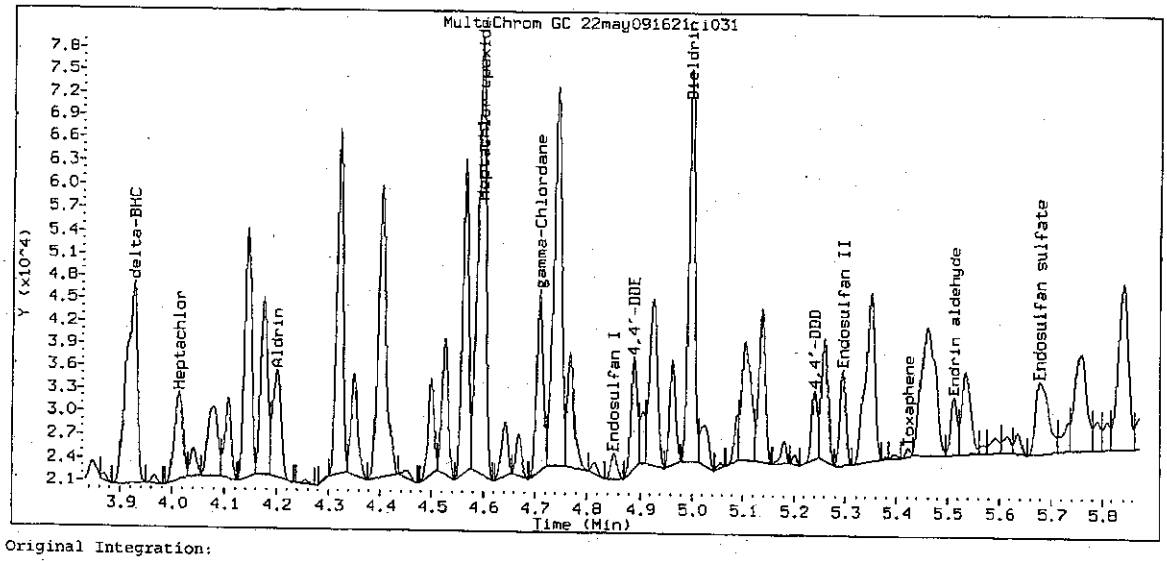
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endosulfan I

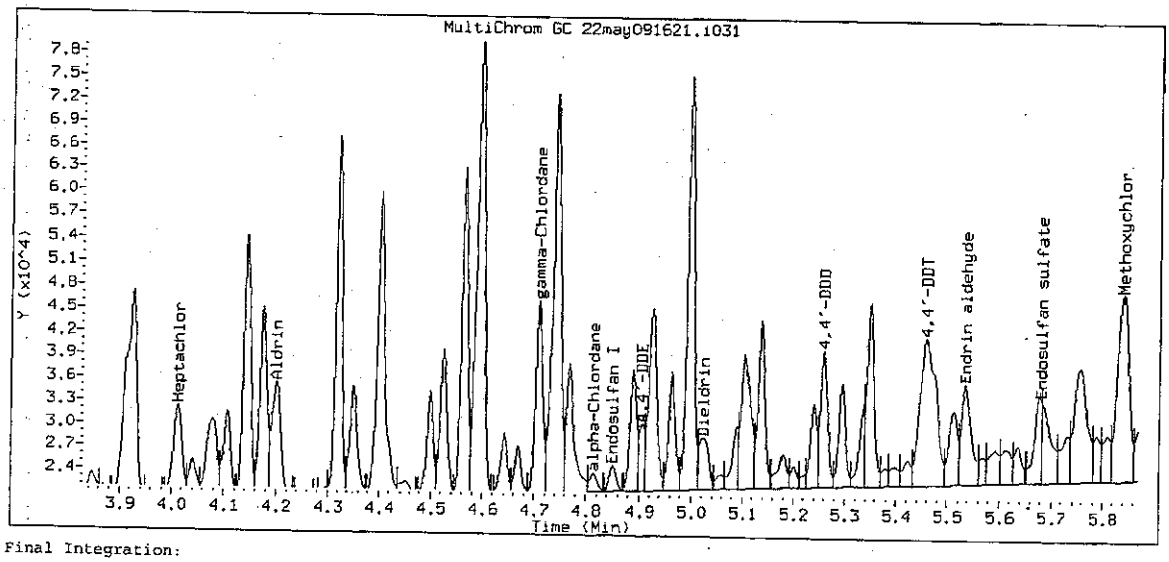
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.8501 Height = 3249



Final Integration:

RT = 4.8501 Height = 3319

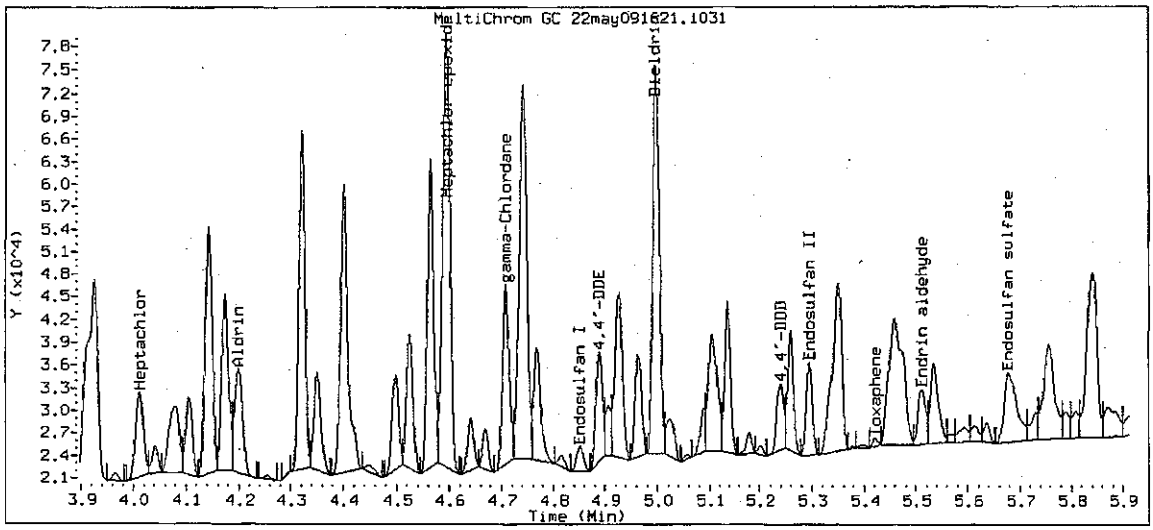
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDE

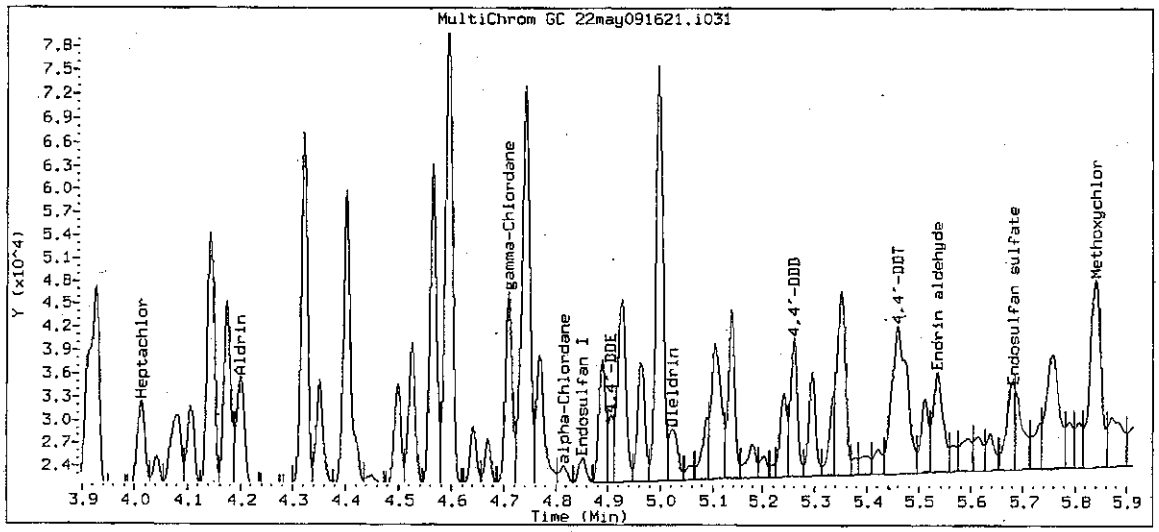
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.8877 Height = 14601



Final Integration:

RT = 4.9055 Height = 8712

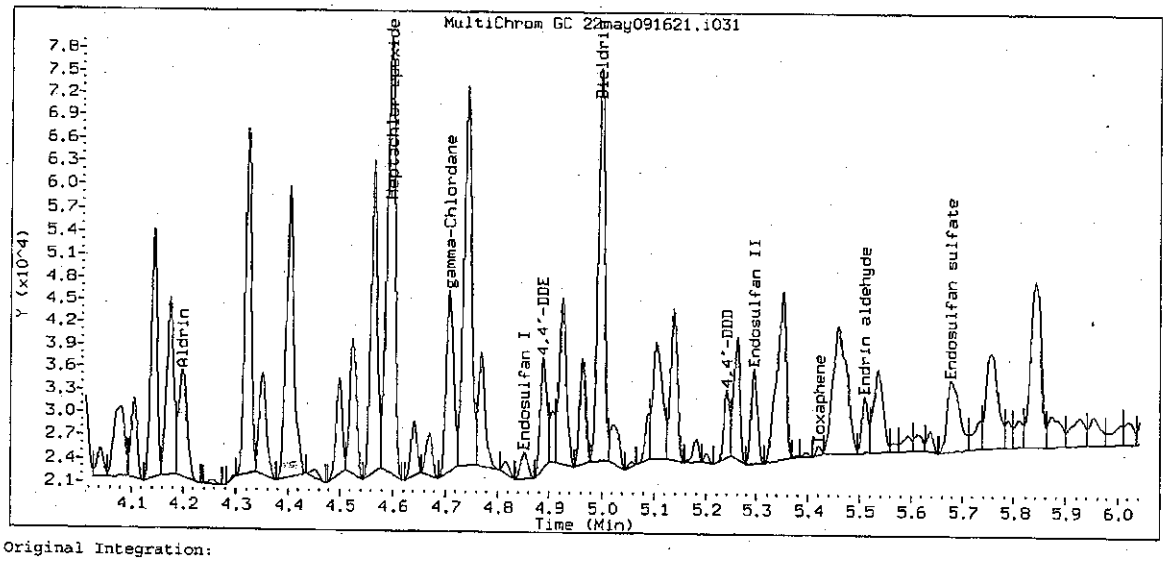
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Dieldrin

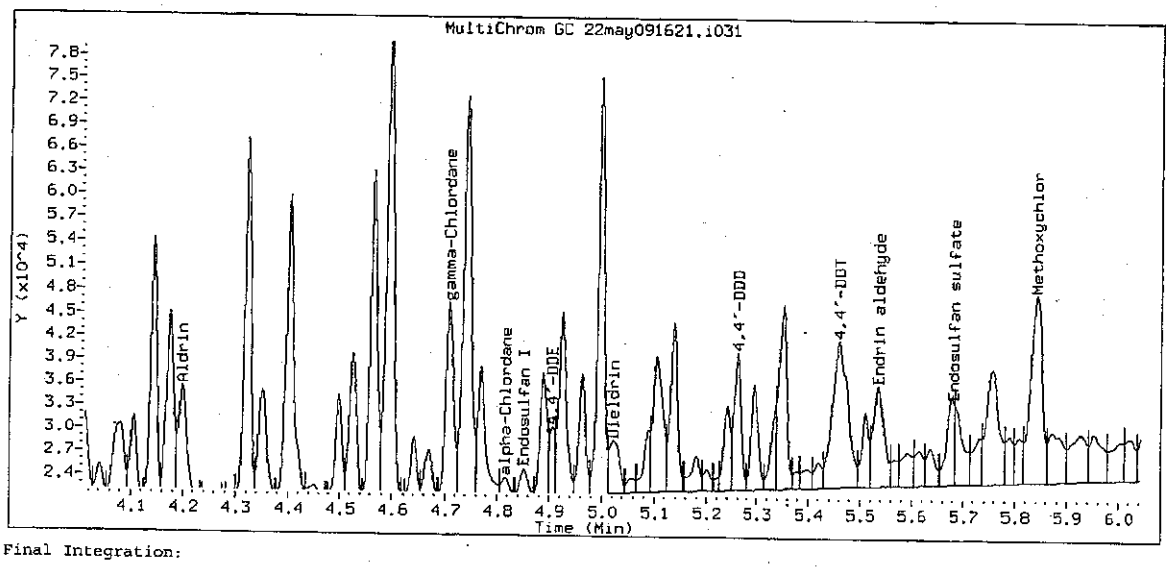
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 60-57-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 4.9964 Height = 51271



Final Integration:

RT = 5.0230 Height = 6663

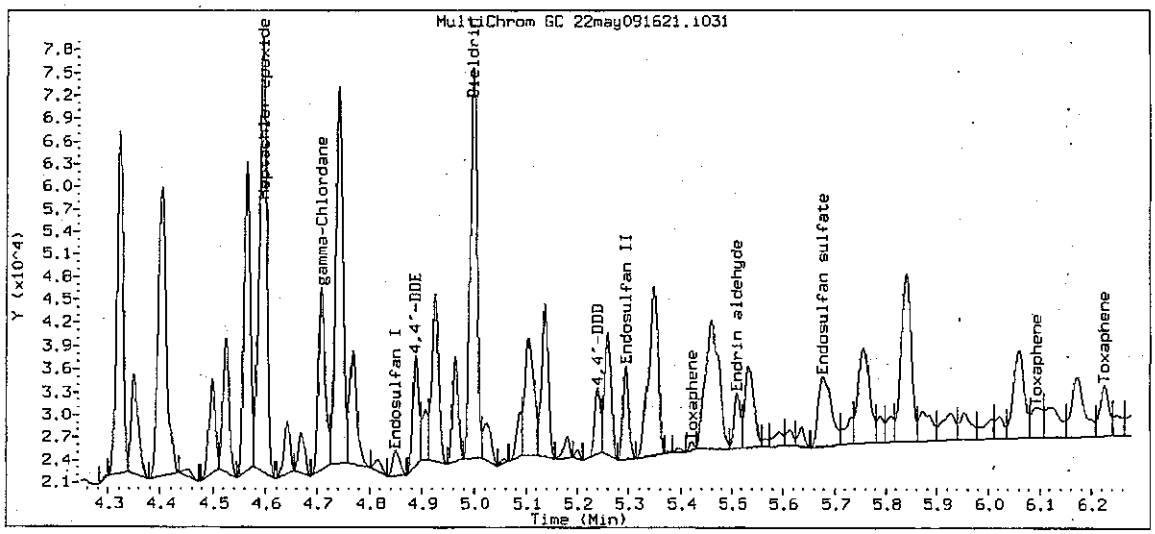
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDD

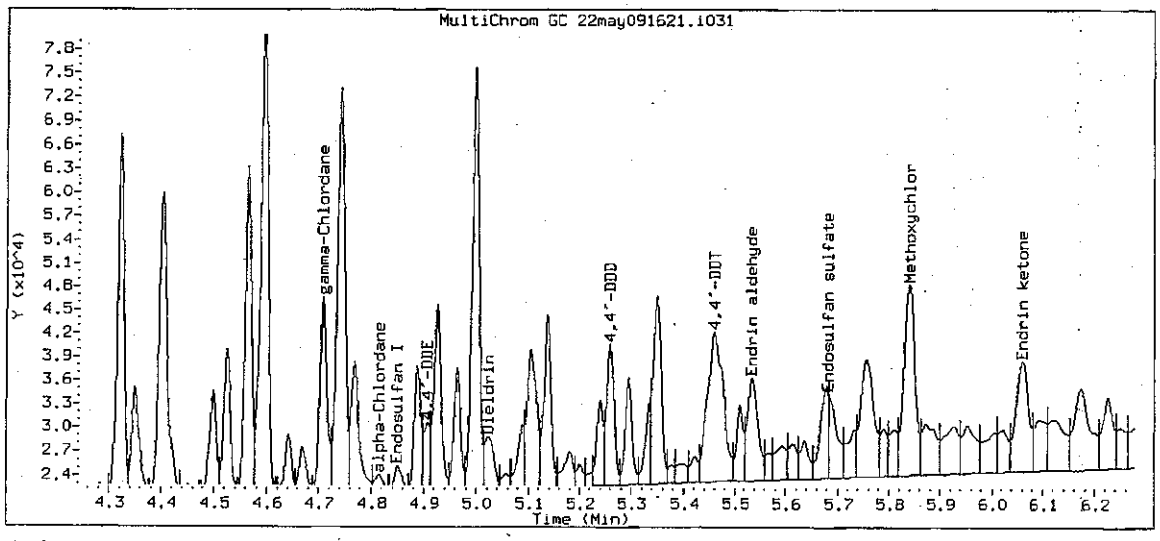
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 5.2402 Height = 8834



Final Integration:

RT = 5.2602 Height = 17847

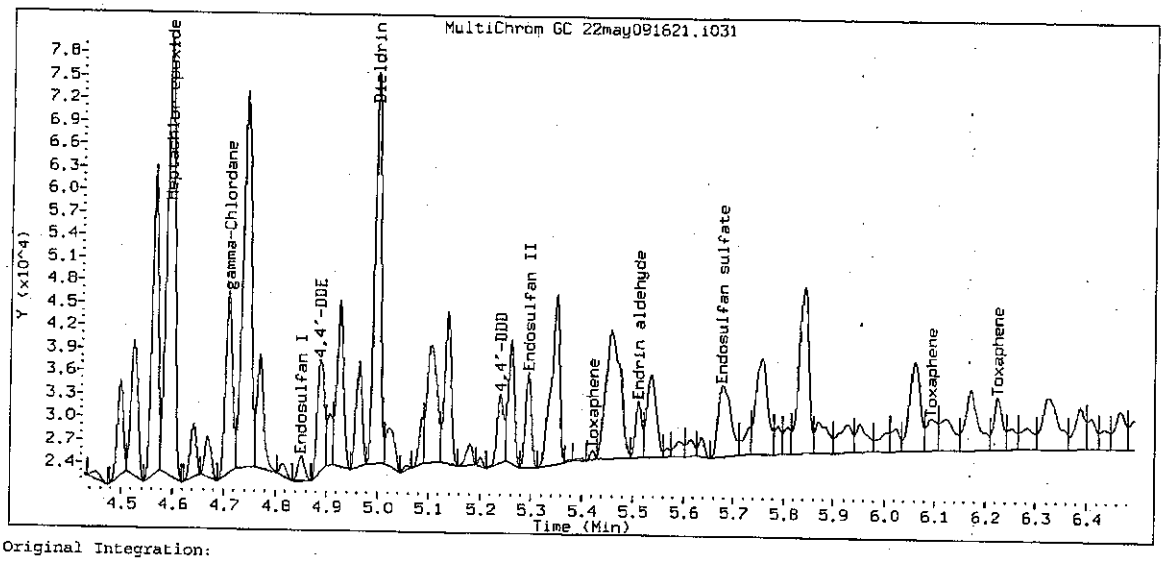
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: 4,4'-DDT

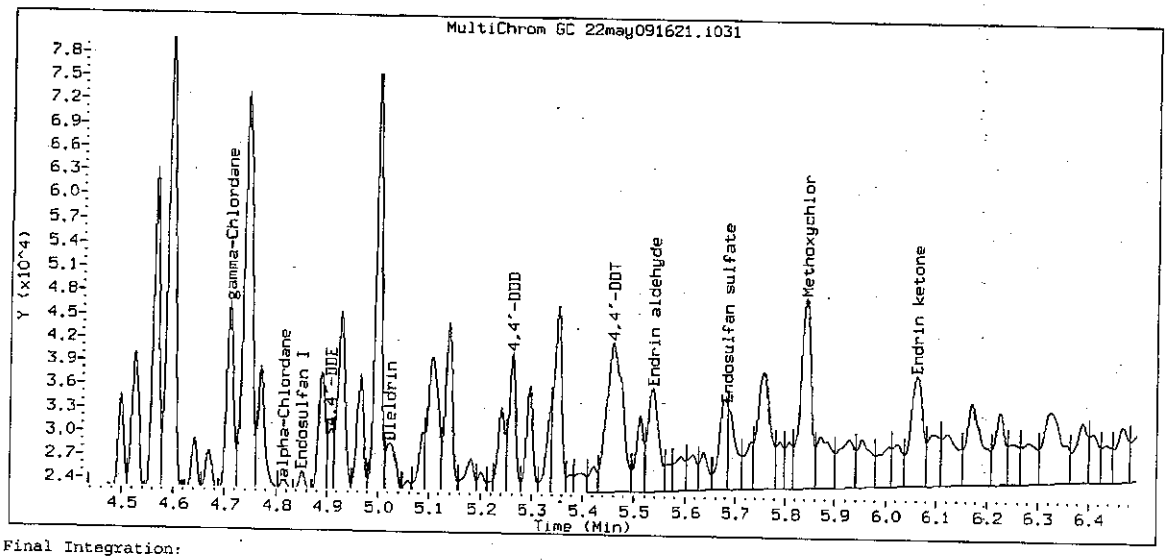
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 5.4596 Height = 19046

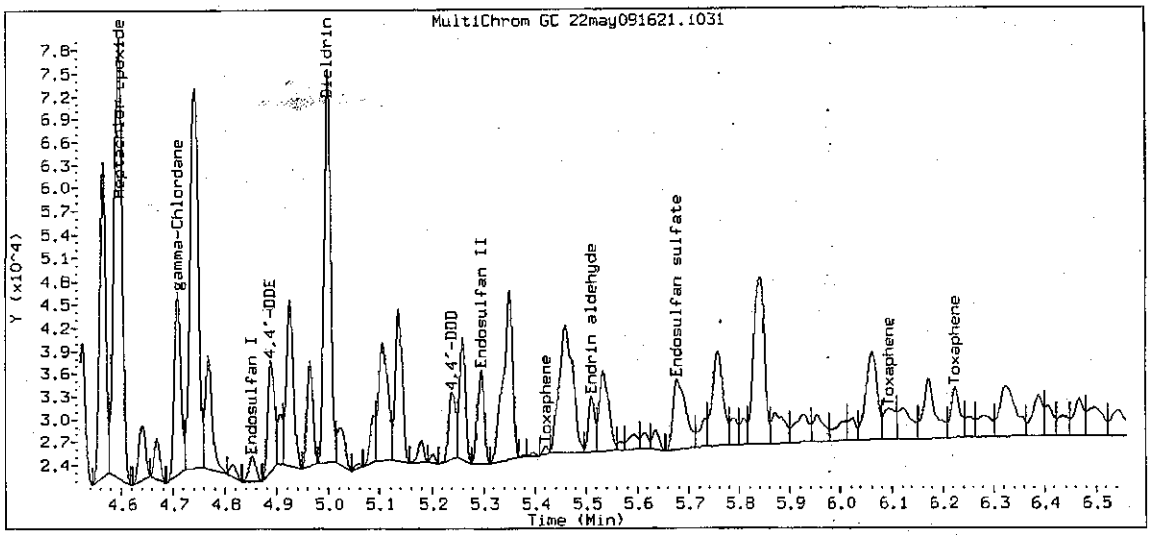
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endrin aldehyde

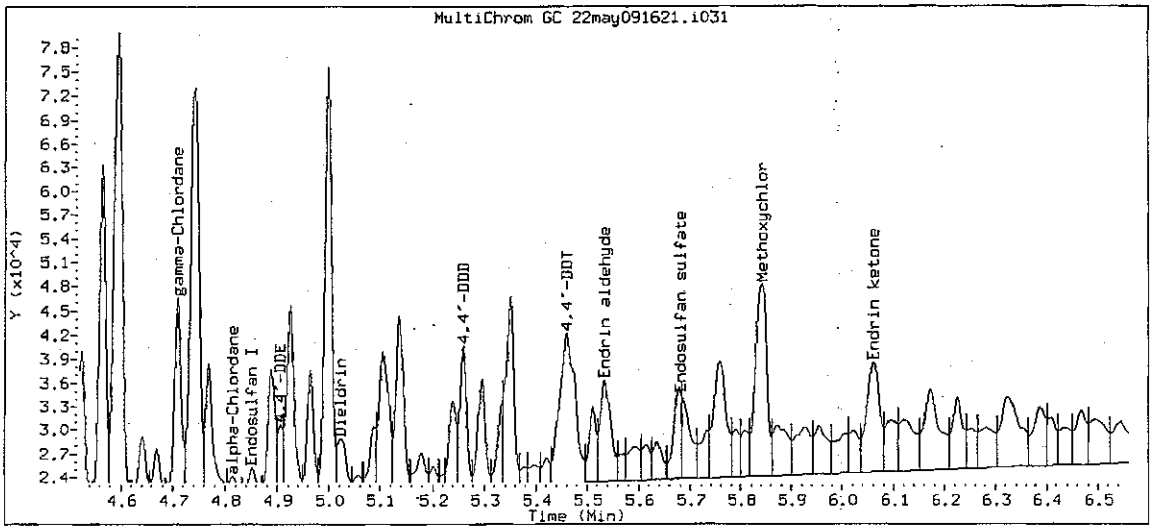
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 7421-93-4

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 5.5106 Height = 7263



Final Integration:

RT = 5.5350 Height = 12958

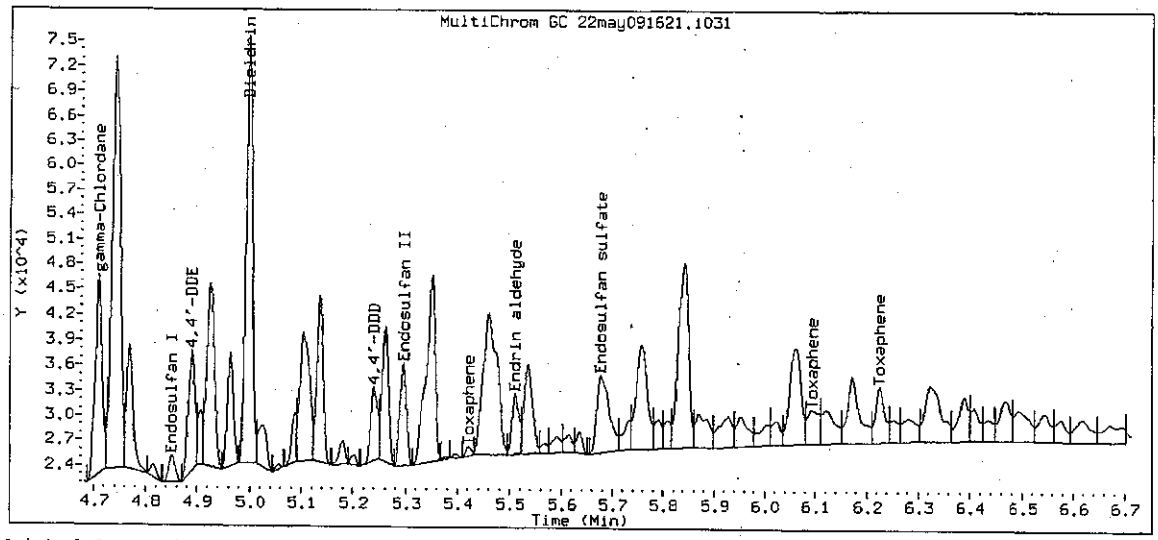
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endosulfan sulfate

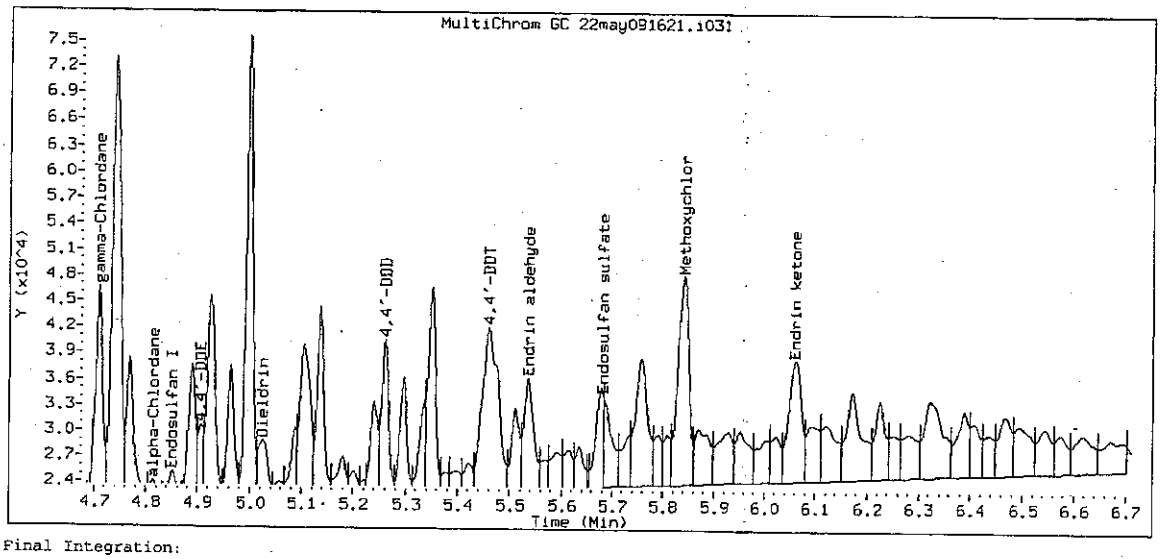
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 1031-07-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 5.6769 Height = 9269



Final Integration:

RT = 5.6835 Height = 10374

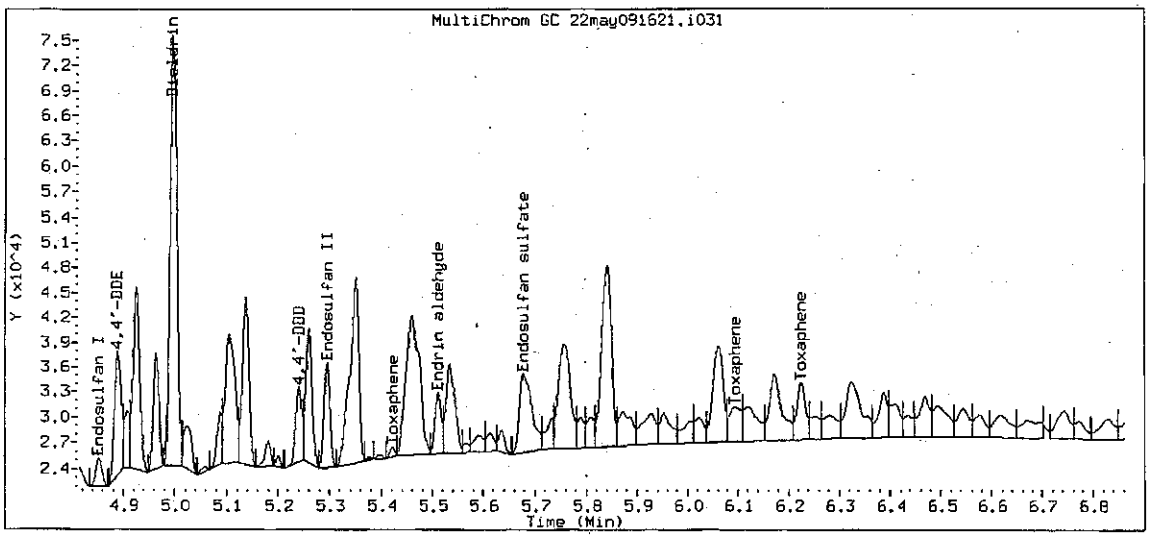
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Methoxychlor

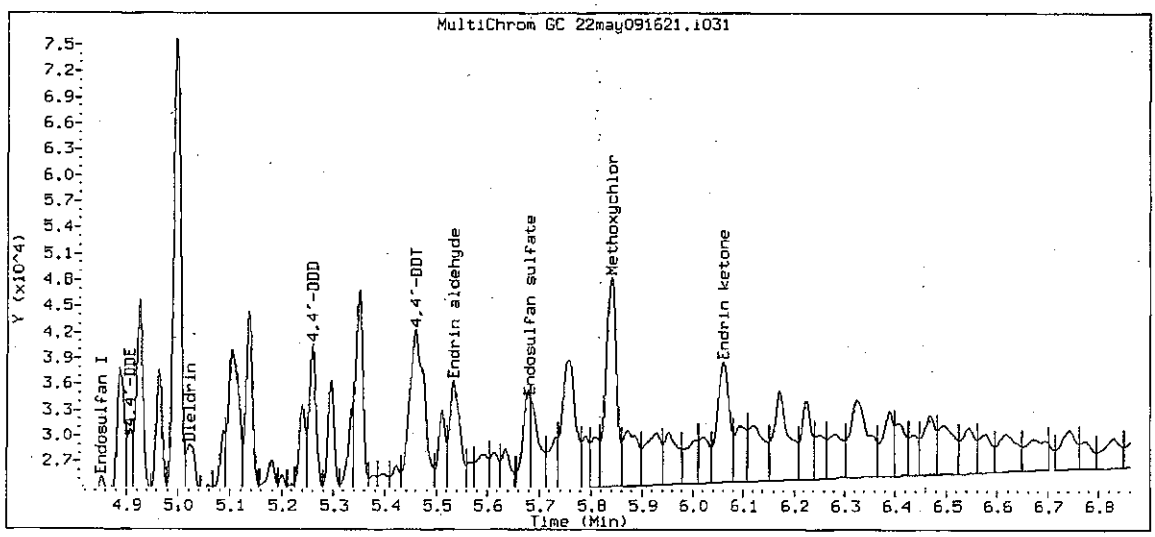
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 72-43-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 5.8409 Height = 24226

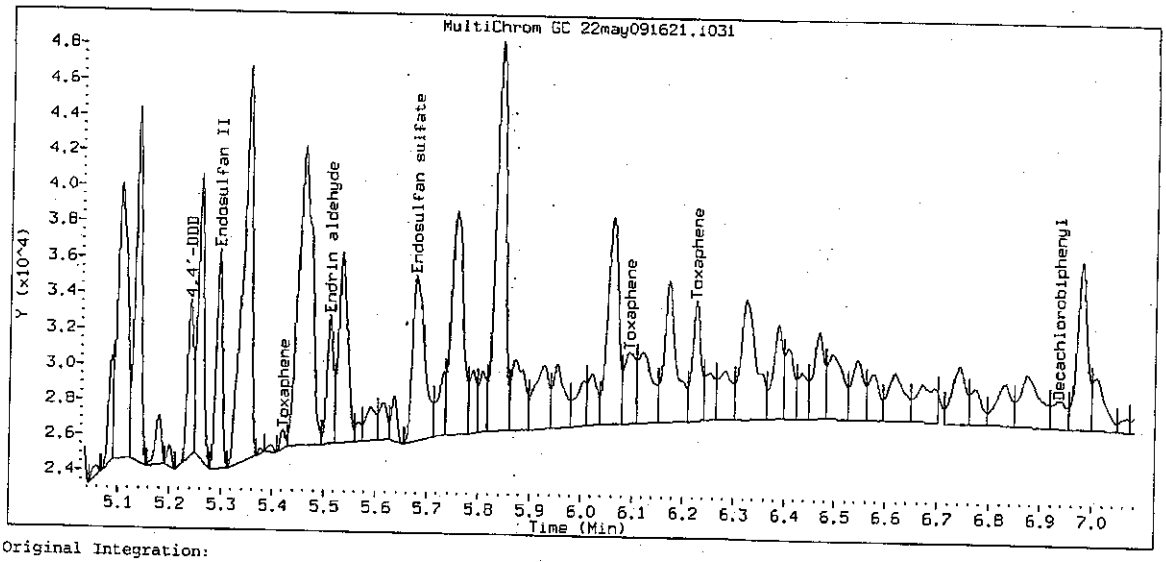
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Endrin ketone

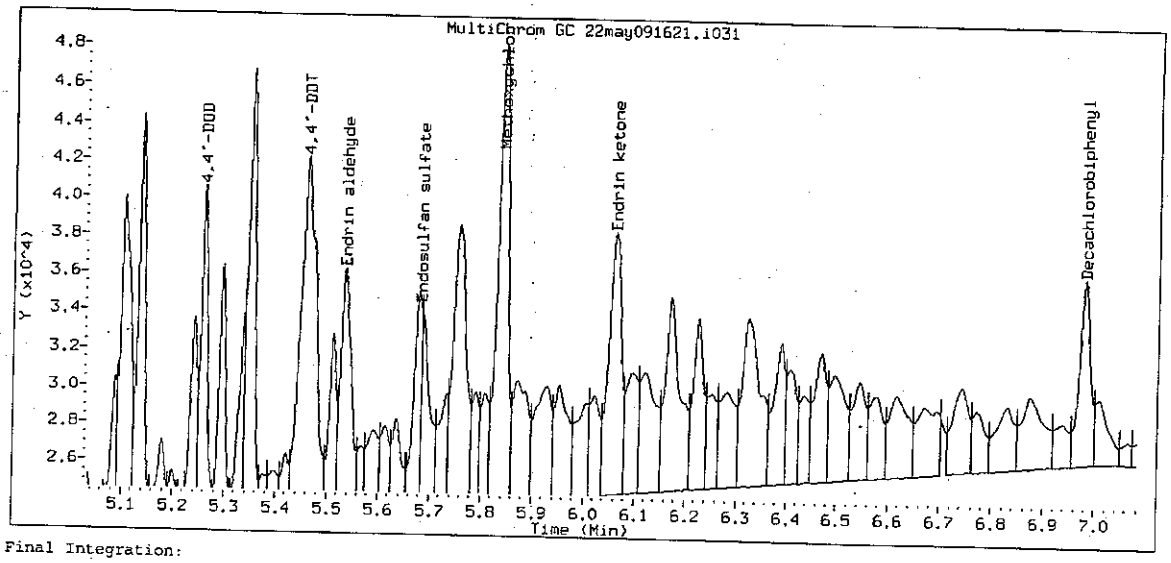
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 53494-70-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 6.0604 Height = 13962

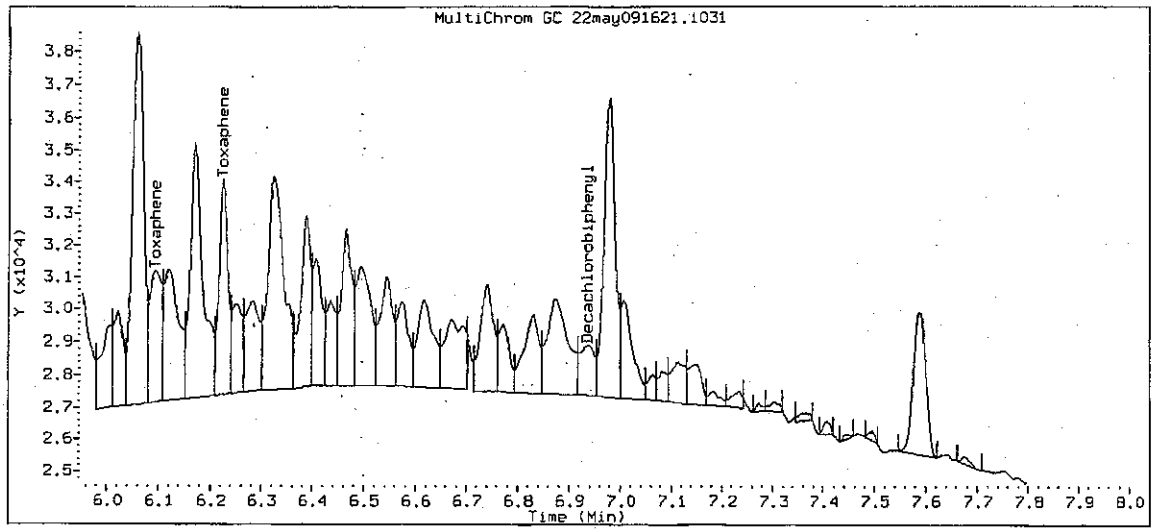
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r031.d
Client Sample ID: E2QQ1
Compound Name: Decachlorobiphenyl

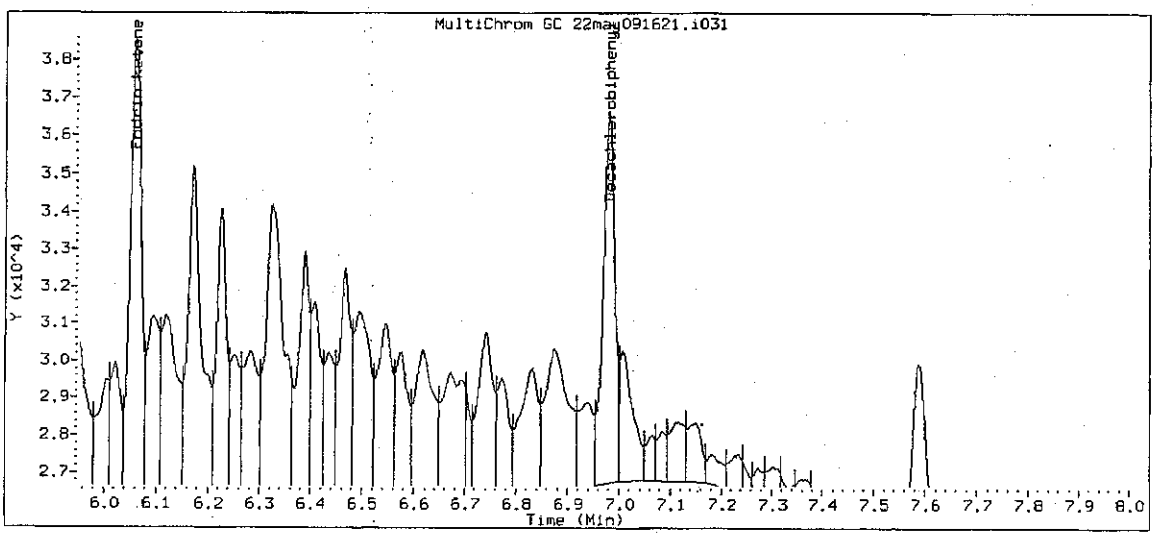
Inj. Date and Time: 23-MAY-2009 00:18
Instrument ID: 0825_2.i
CAS #: 2051-24-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:10



Original Integration:

RT = 6.9360 Height = 1533



Final Integration:

RT = 6.9803 Height = 9849

Manual Integration Reason: MI3 - Mis-identification of peak

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 22MAY091621-R041

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) Y

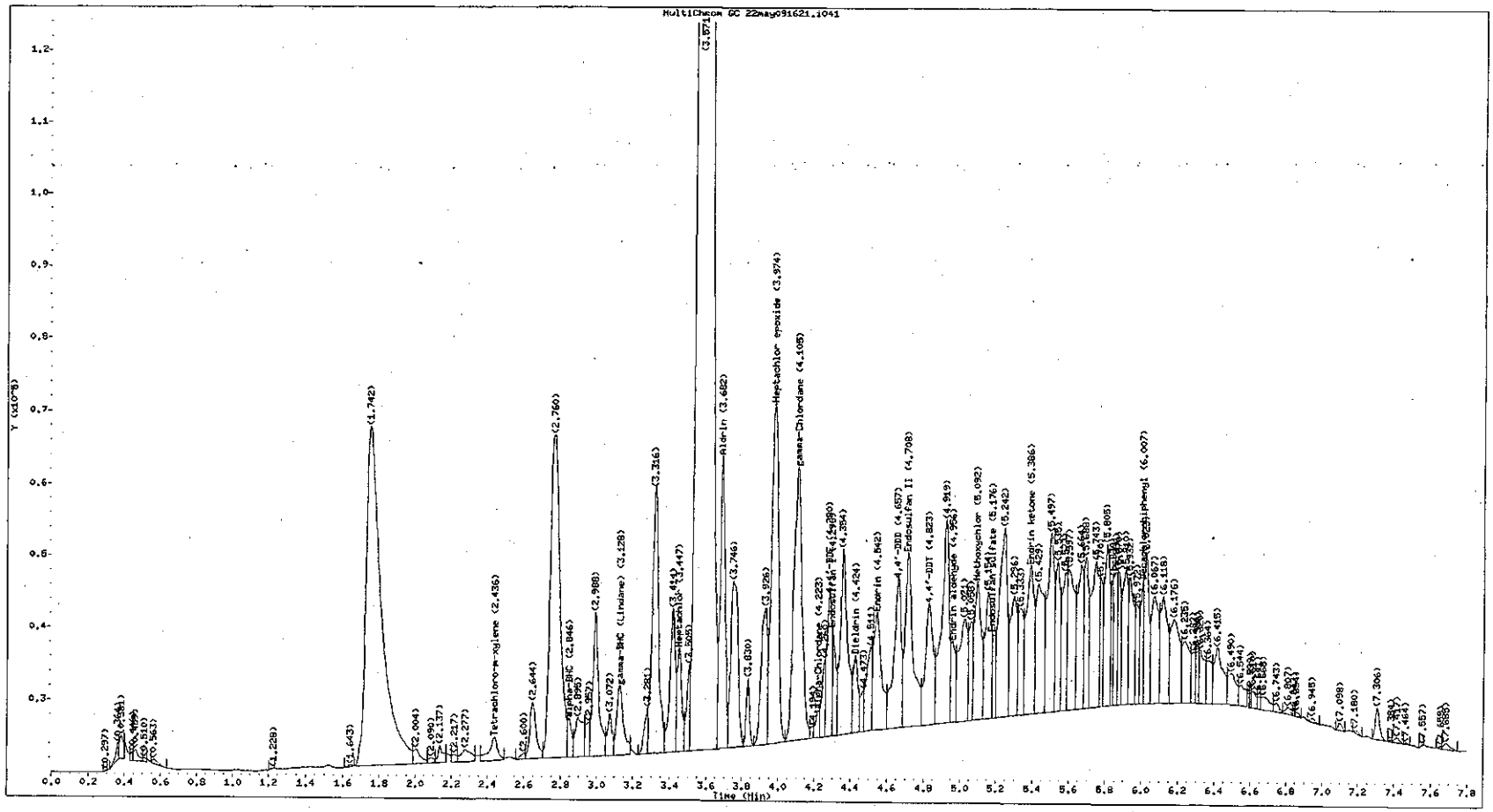
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	17	JP
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	19	JP
76-44-8	Heptachlor	57	P
309-00-2	Aldrin	91	P
1024-57-3	Heptachlor epoxide	190	P
959-98-8	Endosulfan I	23	JP
60-57-1	Dieldrin	41	J
72-55-9	4,4'-DDE	75	
72-20-8	Endrin	25	JP
33213-65-9	Endosulfan II	85	P
72-54-8	4,4'-DDD	96	
1031-07-8	Endosulfan sulfate	59	P
50-29-3	4,4'-DDT	69	P
72-43-5	Methoxychlor	180	JP
53494-70-5	Endrin ketone	55	P
7421-93-4	Endrin aldehyde	67	P
5103-71-9	alpha-Chlordane	16	JP
5103-74-2	gamma-Chlordane	120	P
8001-35-2	Toxaphene	2400	U

SOM01.2

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794702	Client Sample ID: E2QQ2

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 23-MAY-2009 00:29
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 2.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 22may091621-r041.d		
Method	: /var/chem/0825_1.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 15:56 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794702 Client Sample ID: E2QQ2

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 23-MAY-2009 00:29
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 2.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 22may091621-r041.d		
Method	: /var/chem/0825_1.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 15:56 jb3		

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.297			100	203			
	2	0.364			2889	2344			
	3	0.381			4569	3161			
	4	0.446			1002	1203			
	5	0.459			2989	1513			
	6	0.510			704	549			
	7	0.563			1363	605			
	8	1.228			104	78			
	9	1.643			483	261			
	10	1.742			284566	46802			
	11	2.004			5795	1995			
	12	2.090			1511	713			
	13	2.137			4877	2371			
	14	2.217			2185	1087			
	15	2.277			6773	1687			
$	16	2.436	2.418	0.018	10645	3189	0.00670004	M	Tetrachloro-m-xylene
	17	2.600			1678	830			
	18	2.644			19245	7761			
	19	2.760			167986	44540			
	20	2.846	2.852	-0.005	9310	5282	0.00506460	M	alpha-BHC
	21	2.895			17056	5325			
	22	2.957			7804	4719			
	23	2.988			46781	19711			
	24	3.072			10710	5677			
	25	3.128	3.086	0.042	24957	9484	0.00921497	M	gamma-BHC (Lindane)
	26	3.281			8585	6511		M	
	27	3.316			90167	36806		M	
	28	3.414			40969	19639			
	29	3.447	3.419	0.028	26694	14179	0.01226369	M	Heptachlor
	30	3.505			15650	11745			
	31	3.571			1528924	357507			
	32	3.682	3.625	0.057	79179	40374	0.03600048	M	Aldrin
	33	3.746			65535	22795			
	34	3.830			12213	9208			
	35	3.926			46889	18779			
	36	3.974	4.019	-0.044	128945	46837	0.04131750	M	Heptachlor epoxide
	37	4.105	4.099	0.006	120080	37695	0.03337687	M	gamma-Chlordane
	38	4.194			2205	1591			
	39	4.223	4.187	0.036	5487	3709	0.00348153	aM	alpha-Chlordane
	40	4.260			14770	10703		M	
	41	4.280	4.234	0.046	38339	20052	0.01713734	M	4,4'-DDE
	42	4.298	4.268	0.030	19351	14371	0.01353778	M	Endosulfan I
	43	4.354			71314	25475			
	44	4.424	4.417	0.007	21391	10581	0.00881319	aM	Dieldrin
	45	4.473			8314	5765		M	
	46	4.511			24510	11447		M	
	47	4.542	4.558	-0.016	51177	16177	0.01444390	M	Endrin
	48	4.657	4.598	0.060	58618	20843	0.02070505	M	4,4'-DDD
	49	4.708	4.690	0.019	74107	23914	0.02397877	M	Endosulfan II
	50	4.823	4.768	0.056	50955	16719	0.01487474		4,4'-DDT
	51	4.919			83170	27952			
	52	4.956	4.942	0.015	19246	11092	0.01430767		Endrin aldehyde
	53	5.021			44992	13985			
	54	5.058			22239	13532			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	5.092	5.053	0.039	48908	18940	0.03895672	aHM	Methoxychlor
	56	5.154			44092	17397		M	
	57	5.176	5.199	-0.023	14986	11460	0.01264792	M	Endosulfan sulfate
	58	5.242			79723	25995			
	59	5.296			42724	16426			
	60	5.333			30127	14635			
	61	5.386	5.368	0.019	59544	20389	0.01847112		Endrin ketone
	62	5.429			52455	17783			
	63	5.497			64693	24638			
	64	5.535			36499	20450			
	65	5.577			34890	18892			
	66	5.597			51814	19352			
	67	5.664			44898	19751			
	68	5.688			34210	20758			
	69	5.743			60482	20021			
	70	5.770			20442	17605			
	71	5.805			45598	22328			
	72	5.839			15597	17574			
	73	5.856			23896	18211			
	74	5.870			22760	18371			
	75	5.910			38157	18409			
	76	5.932			36627	17452			
	77	5.972			17836	13641			
$	78	6.007	5.957	0.050	21633	17098	0.01778665	M	Decachlorobiphenyl
	79	6.023			39185	20636		M	
	80	6.067			42382	14764			
	81	6.118			38344	14719			
	82	6.176			41591	11549			
	83	6.235			23820	8477			
	84	6.282			9969	7001			
	85	6.306			7401	7058			
	86	6.320			16178	7286			
	87	6.364			12180	5869			
	88	6.415			26891	7703			
	89	6.490			13336	4259			
	90	6.544			6952	2854			
	91	6.599			1290	1995			
	92	6.610			3896	2262			
	93	6.641			1991	1677			
	94	6.668			5990	1812			
	95	6.743			2385	1158			
	96	6.807			1749	935			
	97	6.843			175	367			
	98	6.854			884	551			
	99	6.945			996	579			
	100	7.098			1430	1048			
	101	7.180			673	268			
	102	7.306			7447	4307			
	103	7.384			262	269			
	104	7.417			1341	722			
	105	7.464			254	204			
	106	7.557			126	111			
	107	7.659			336	284			
	108	7.685			1892	764			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
2.436	2.418	Tetrachloro-m-xylene
2.846	2.852	alpha-BHC
3.128	3.086	gamma-BHC (Lindane)

Reported: 05/25/2009 15:56 jb3 22may091621-r041.d Page 2

TestAmerica Burlington - Target GC Injection Report

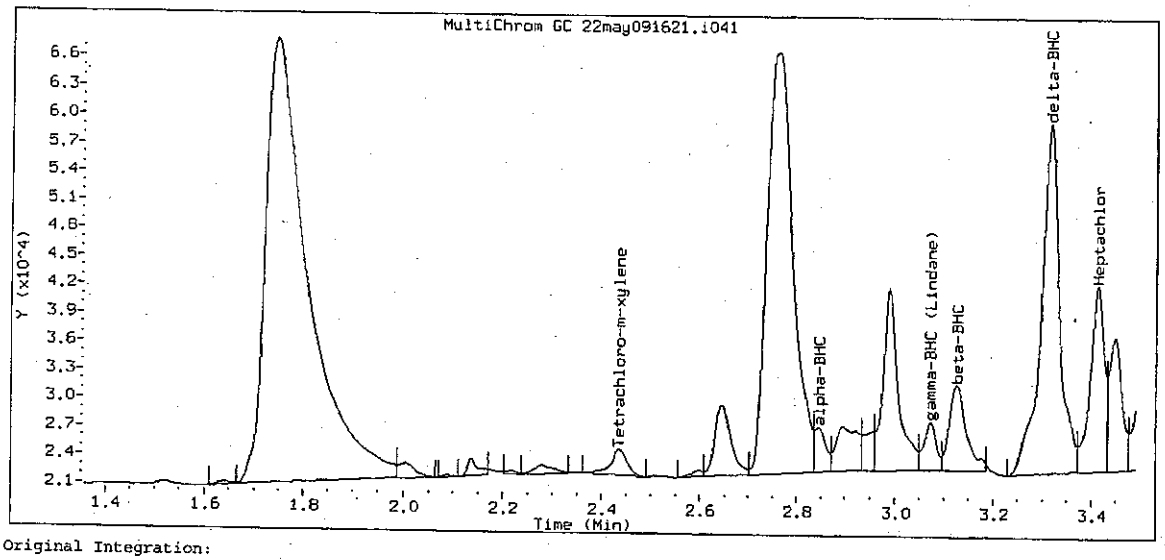
Peak RT	Expected RT	Target Compound
	3.148	beta-BHC
	3.269	delta-BHC
3.447	3.419	Heptachlor
3.682	3.625	Aldrin
3.974	4.019	Heptachlor epoxide
4.105	4.099	gamma-Chlordane
4.223	4.187	alpha-Chlordane
4.280	4.234	4,4'-DDE
4.298	4.268	Endosulfan I
4.424	4.417	Dieldrin
4.542	4.558	Endrin
4.657	4.598	4,4'-DDD
	4.690	Toxaphene
4.708	4.690	Endosulfan II
4.823	4.768	4,4'-DDT
4.956	4.942	Endrin aldehyde
5.092	5.053	Methoxychlor
5.176	5.199	Endosulfan sulfate
5.386	5.368	Endrin ketone
6.007	5.957	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Tetrachloro-m-xylene

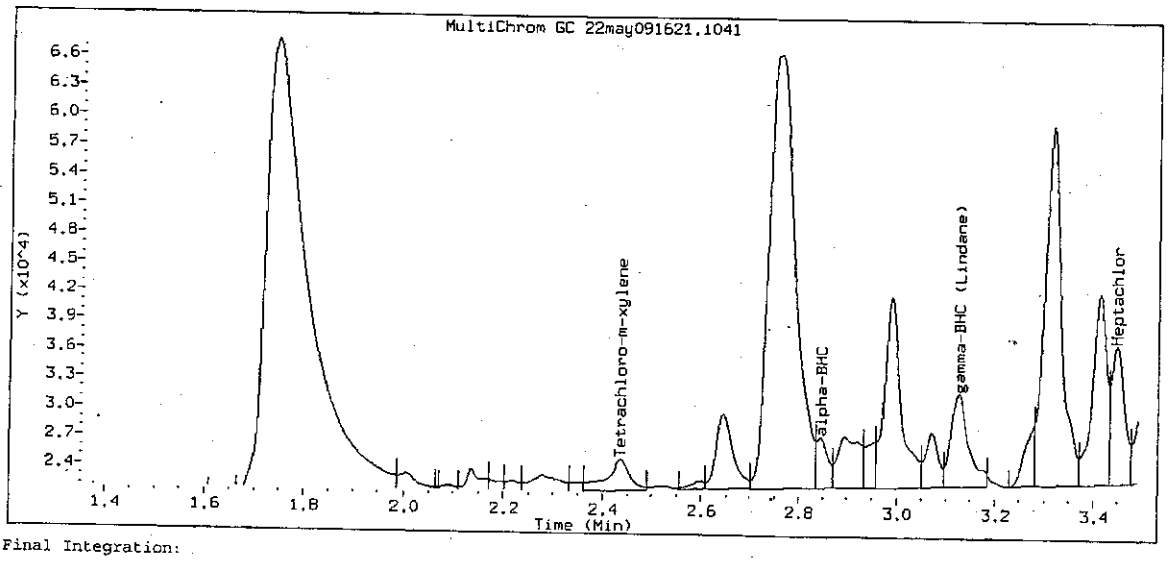
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 877-09-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 2.4361 Height = 2705



Final Integration:

RT = 2.4361 Height = 3189

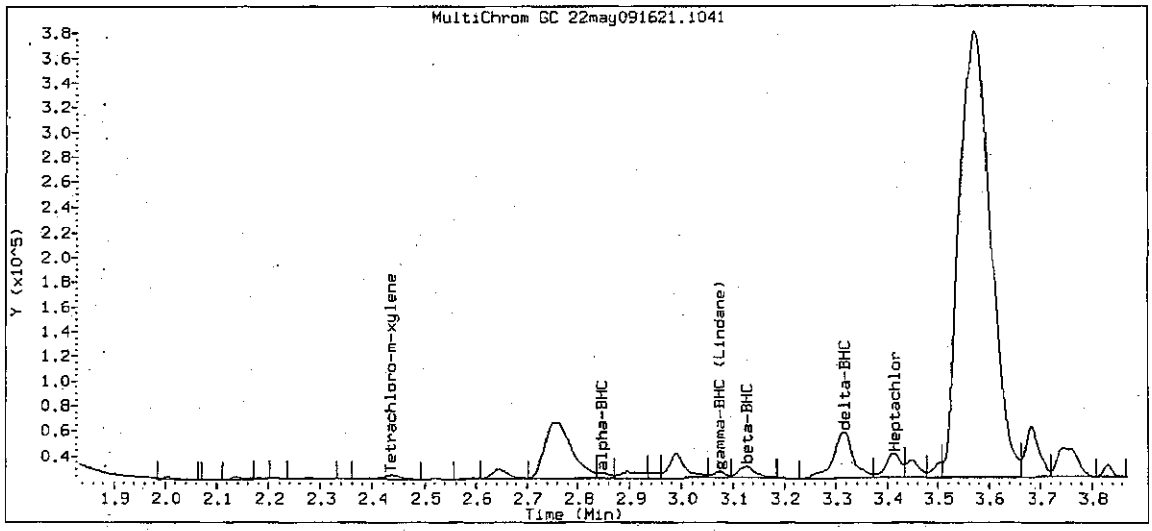
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: alpha-BHC

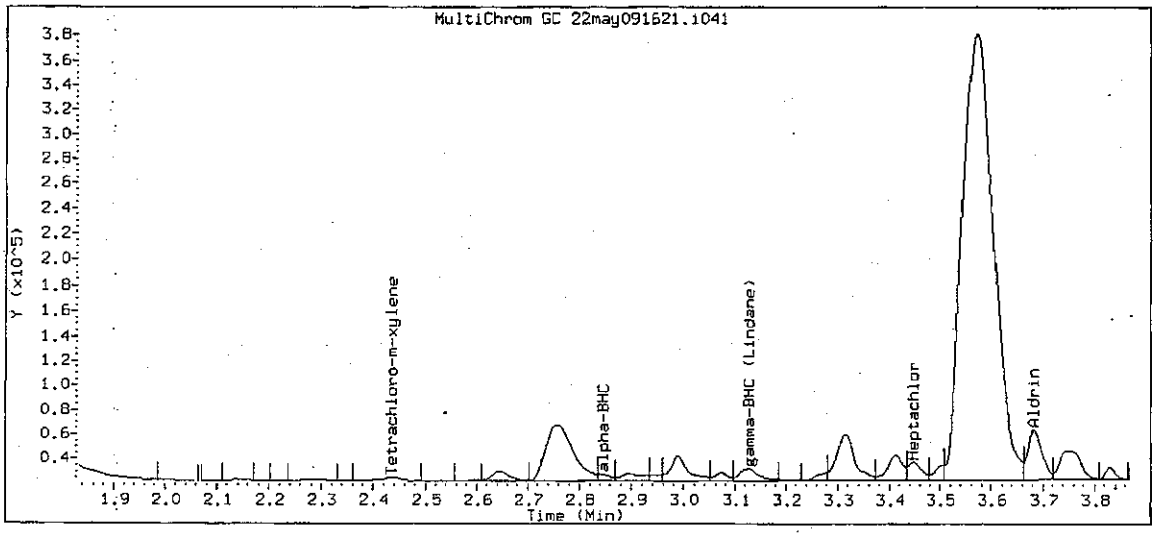
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 319-84-6

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 2.8462 Height = 4662



Final Integration:

RT = 2.8462 Height = 5282

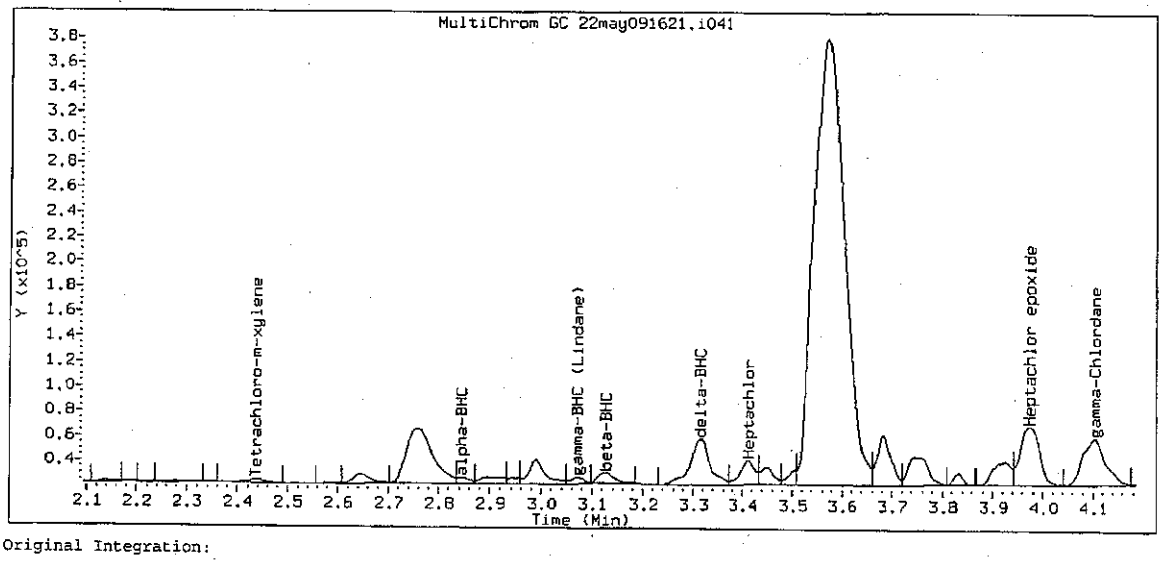
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: gamma-BHC (Lindane)

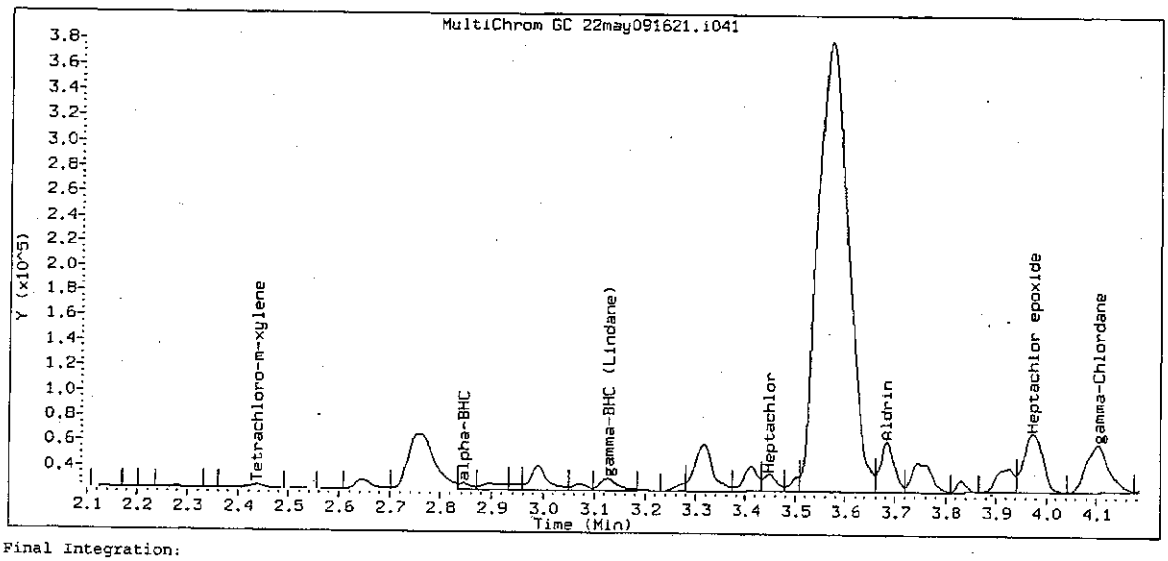
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 58-89-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 3.0723 Height = 5087



Final Integration:

RT = 3.1277 Height = 9484

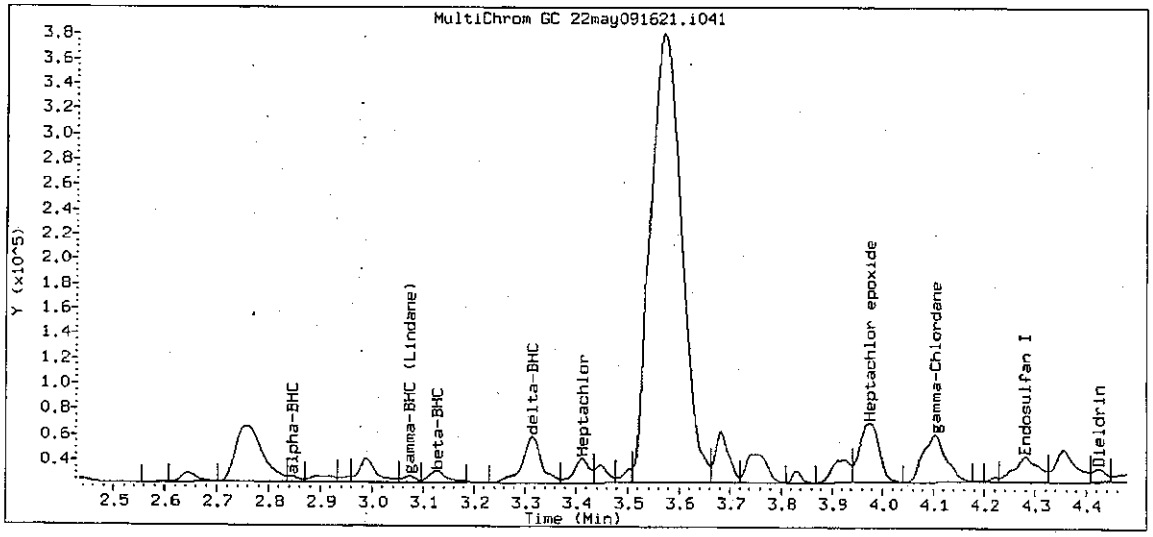
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Heptachlor

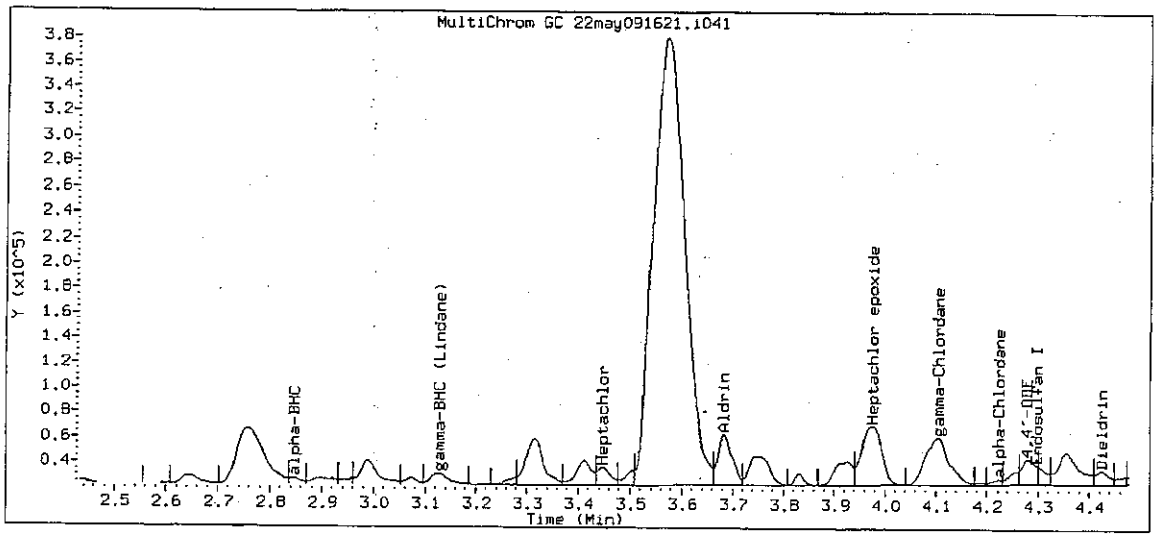
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 76-44-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 3.4137 Height = 19481



Final Integration:

RT = 3.4469 Height = 14179

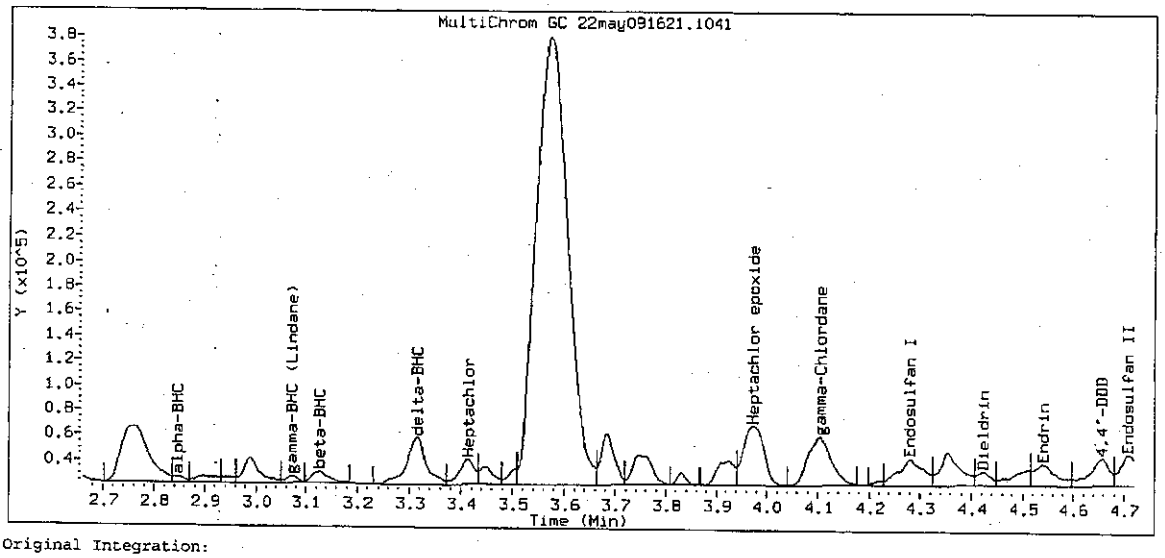
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Aldrin

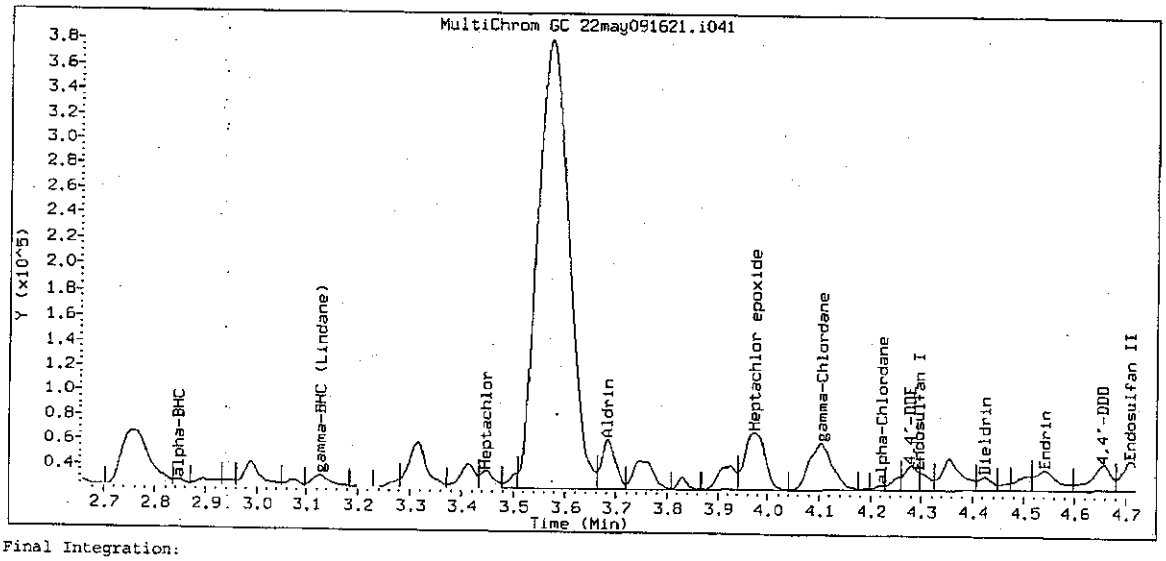
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 309-00-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 3.6819 Height = 40374

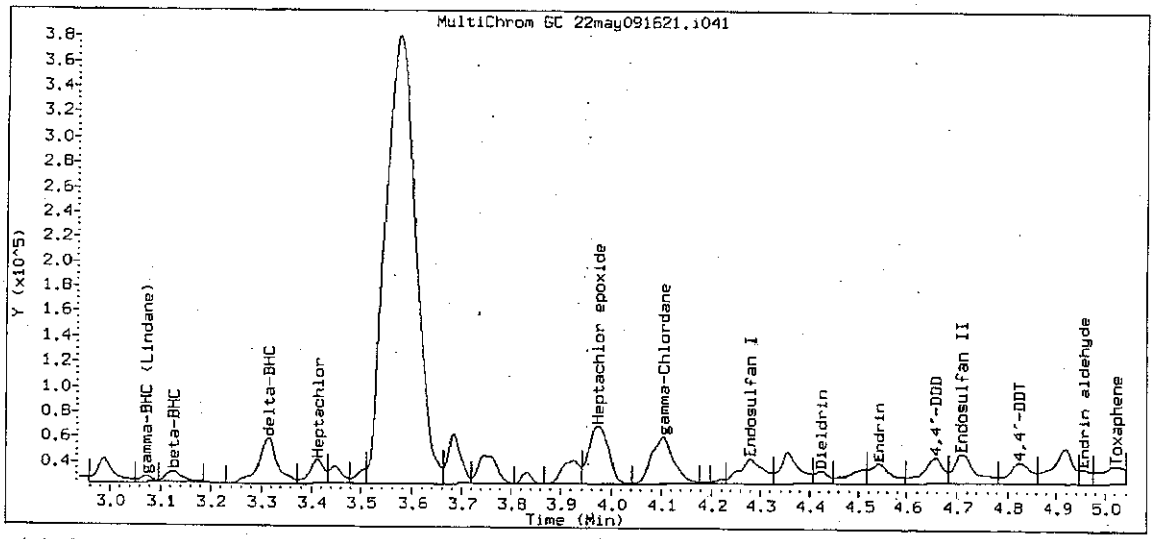
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Heptachlor epoxide

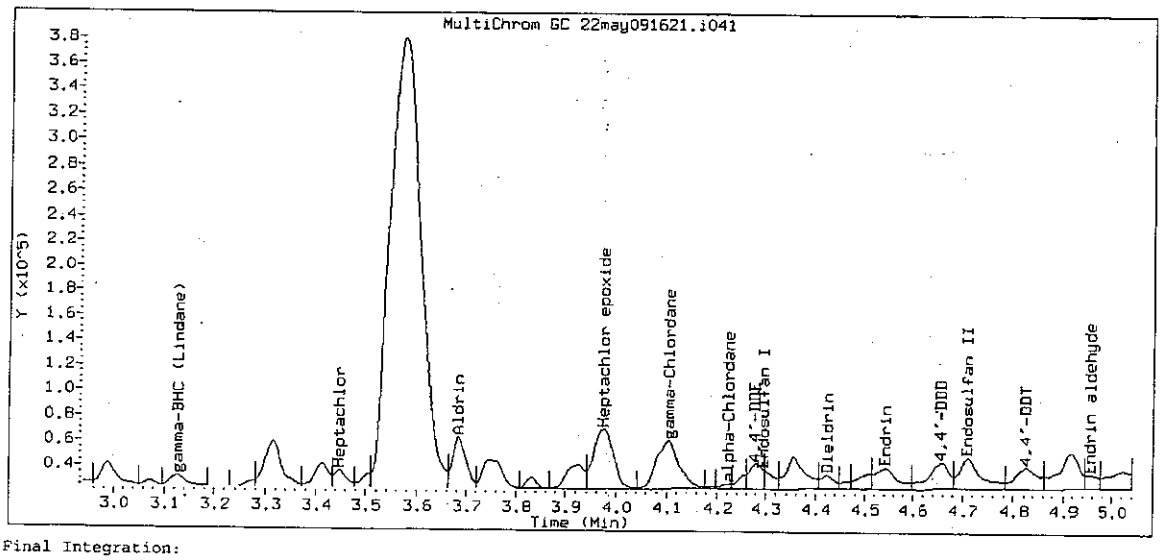
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 3.9745 Height = 46481



Final Integration:

RT = 3.9745 Height = 46837

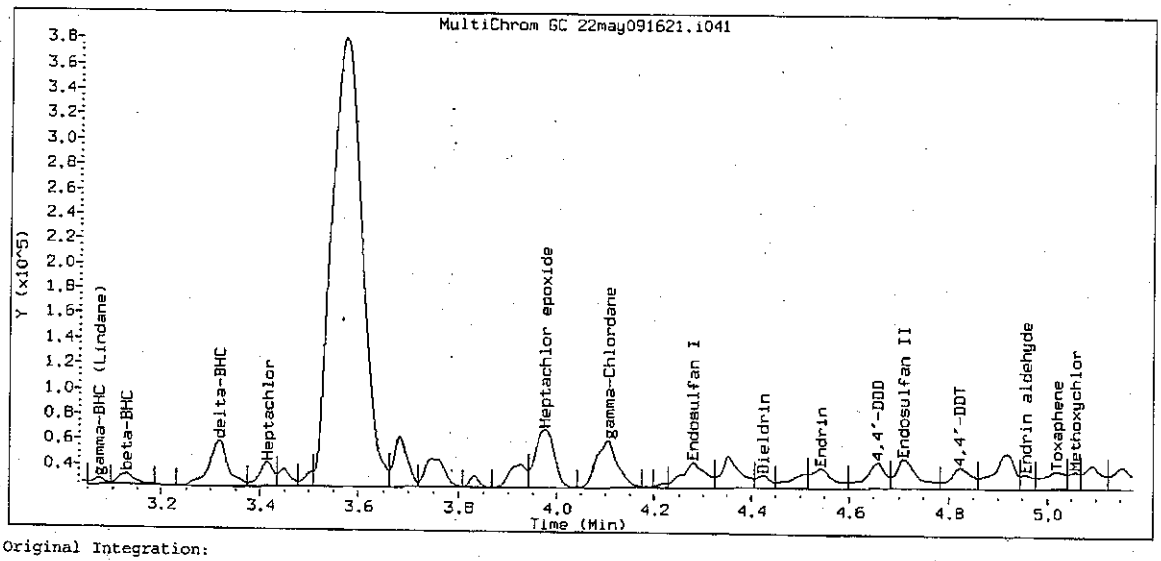
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: gamma-Chlordane

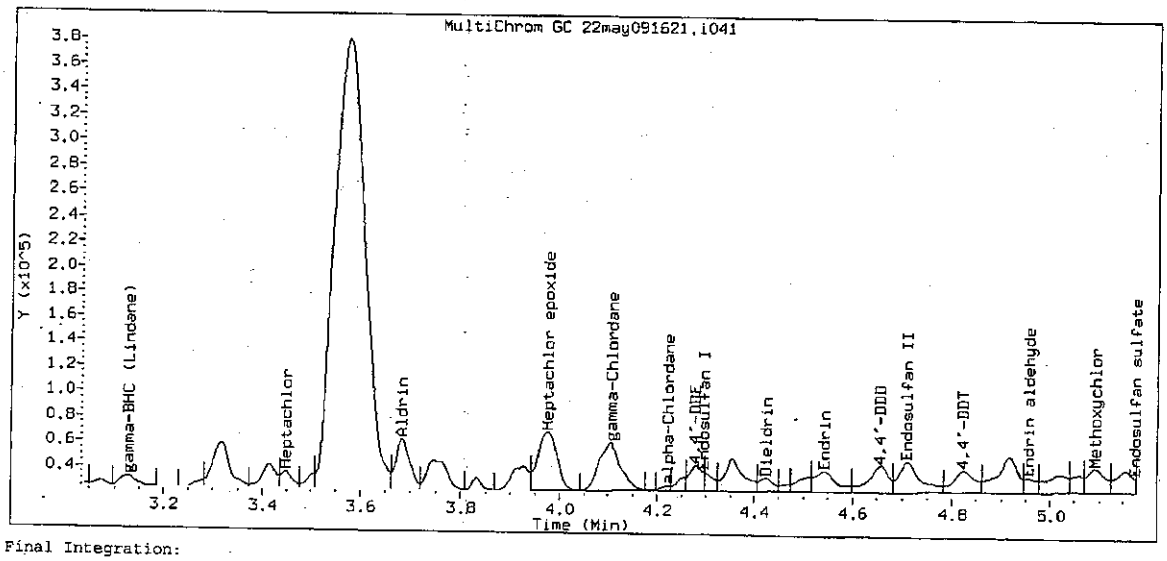
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.1053 Height = 37517



Final Integration:

RT = 4.1053 Height = 37695

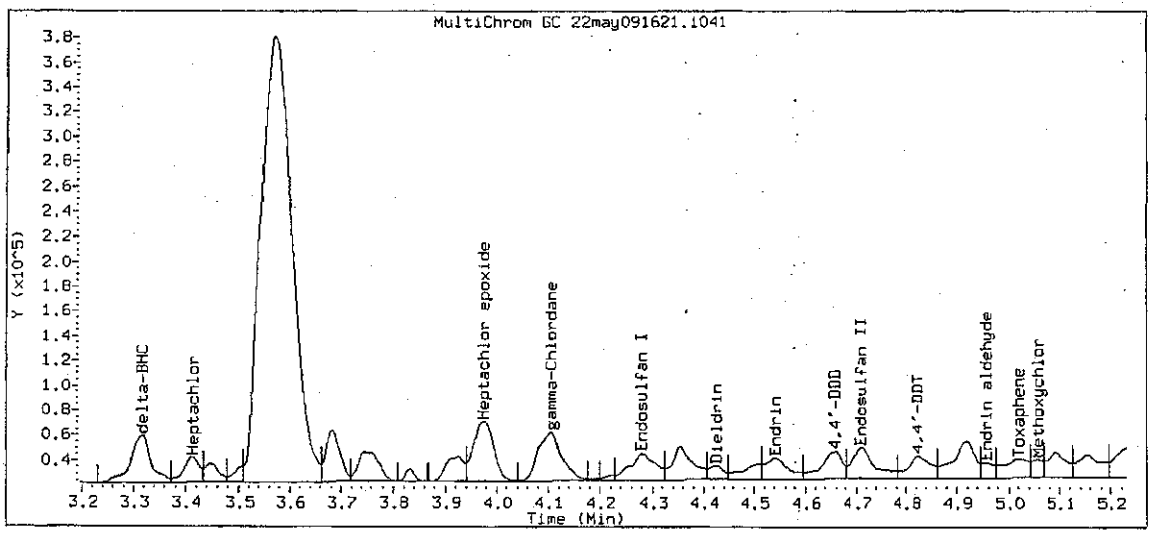
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: alpha-Chlordane

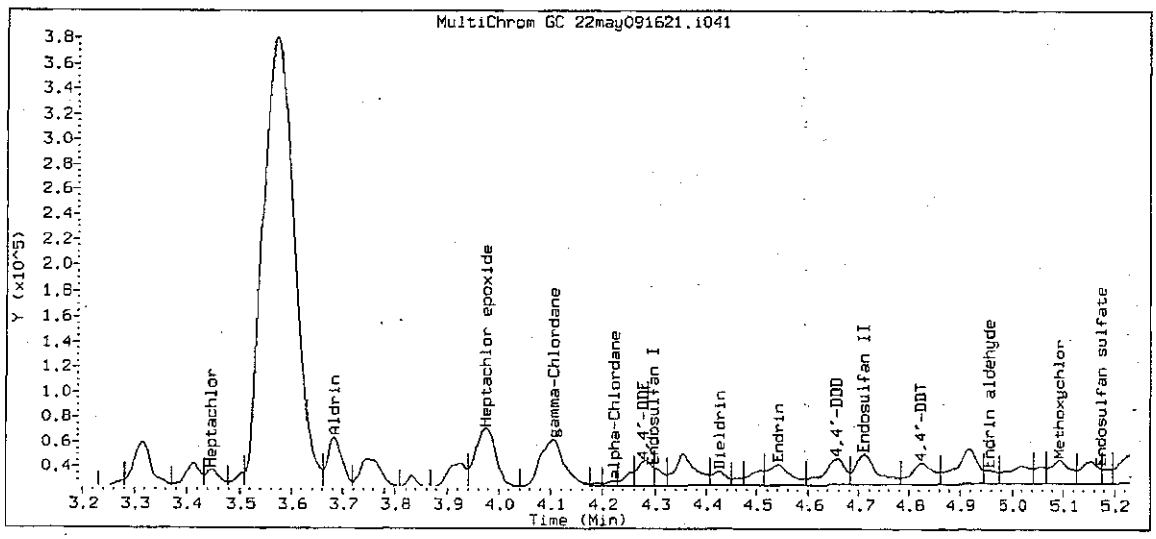
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.2227 Height = 3709

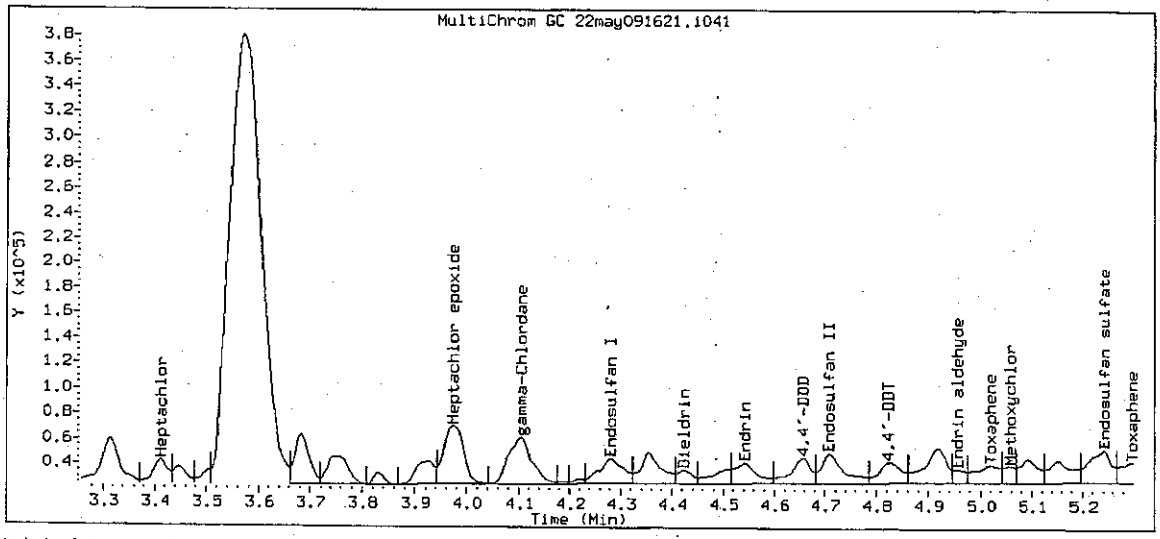
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: 4,4'-DDE

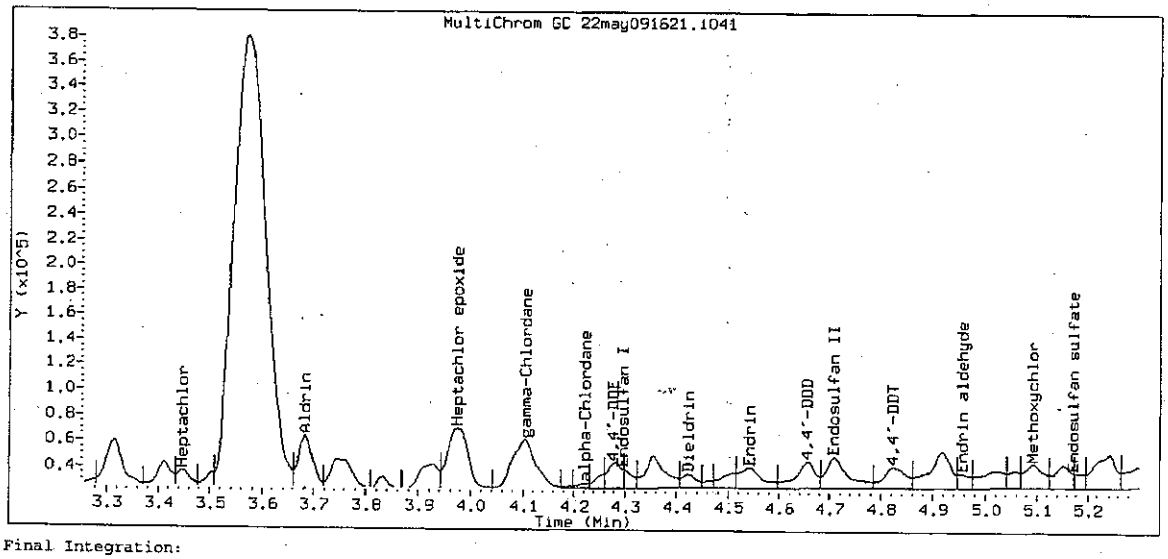
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.2804 Height = 20052

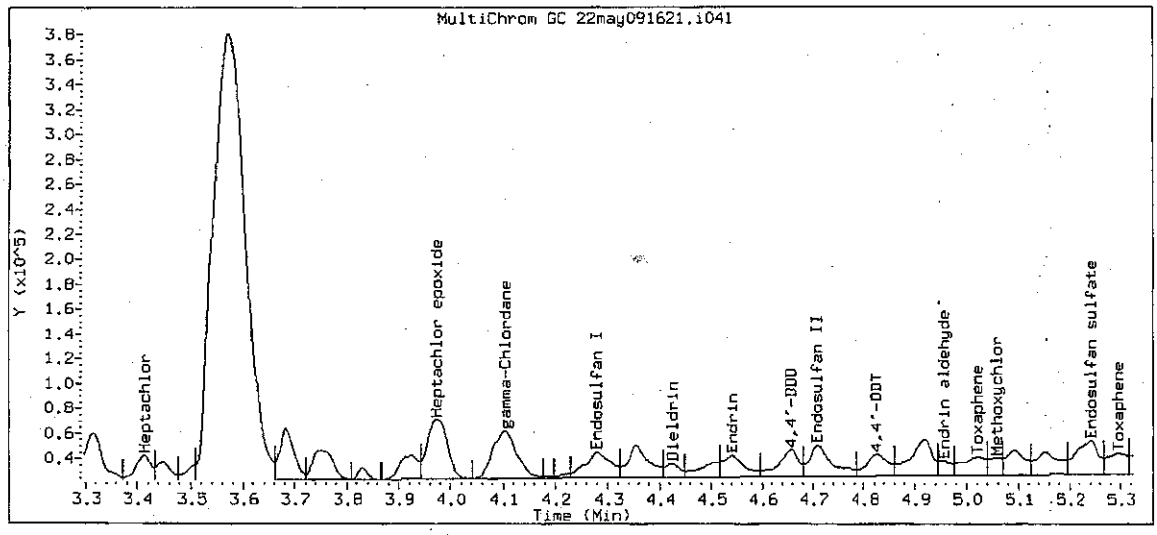
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan I

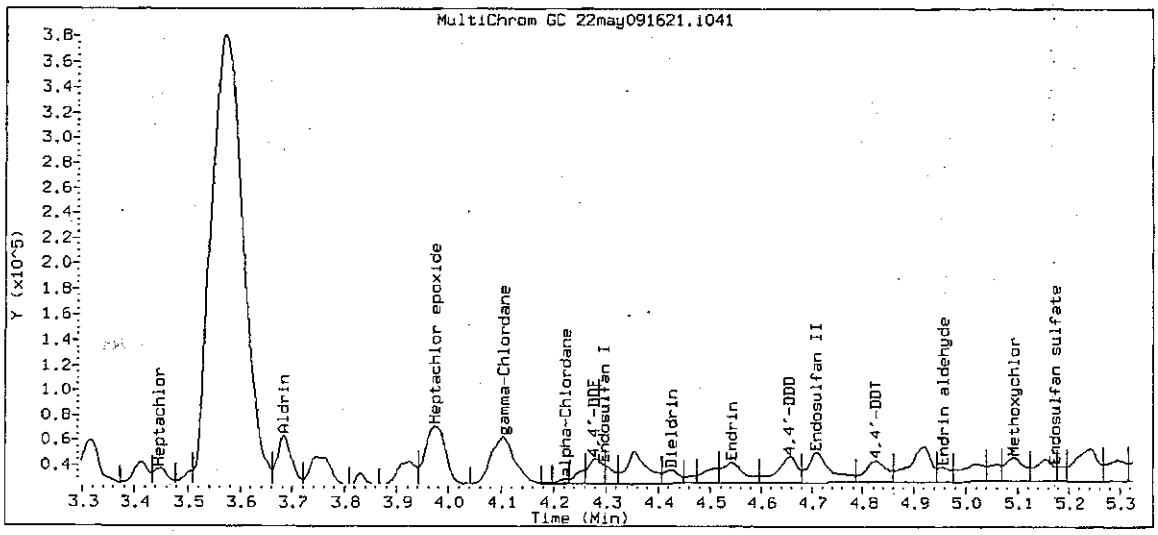
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.2804 Height = 19914



Final Integration:

RT = 4.2981 Height = 14371

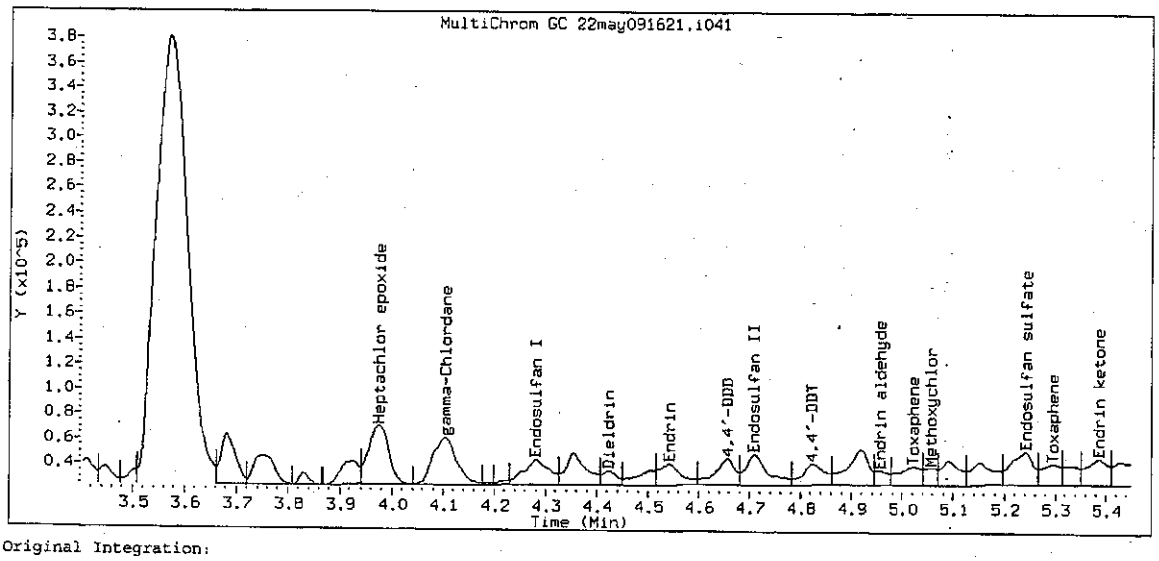
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Dieldrin

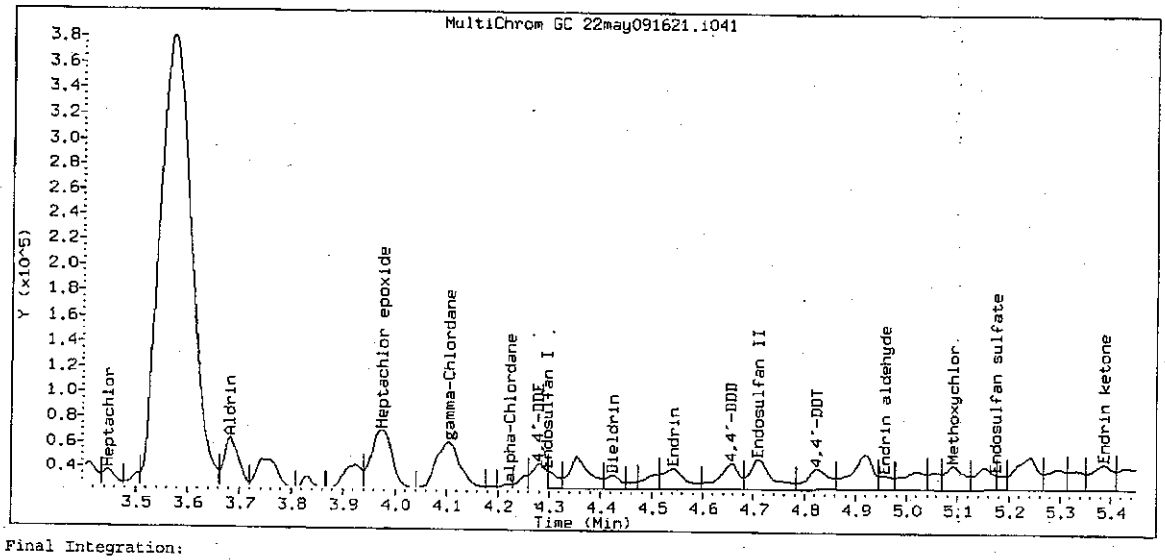
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 60-57-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.4245 Height = 10551



Final Integration:

RT = 4.4245 Height = 10581

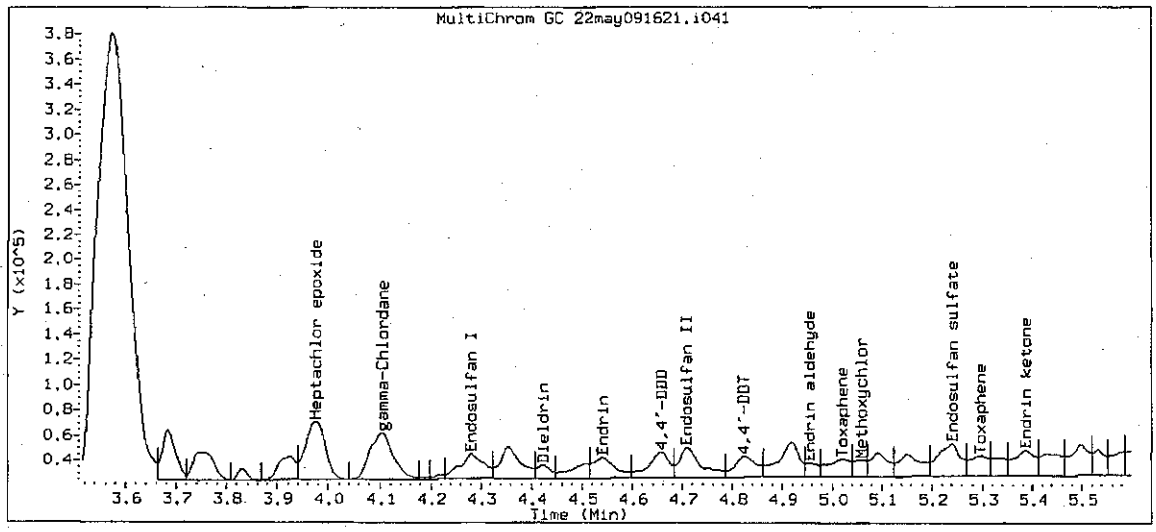
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endrin

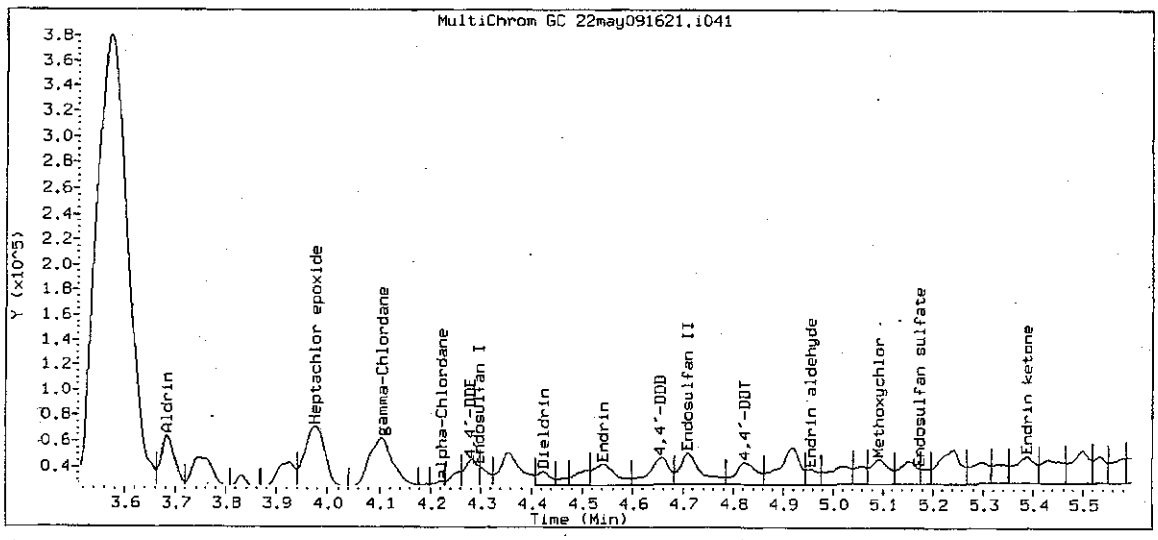
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 72-20-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.5419 Height = 16174



Final Integration:

RT = 4.5419 Height = 16177

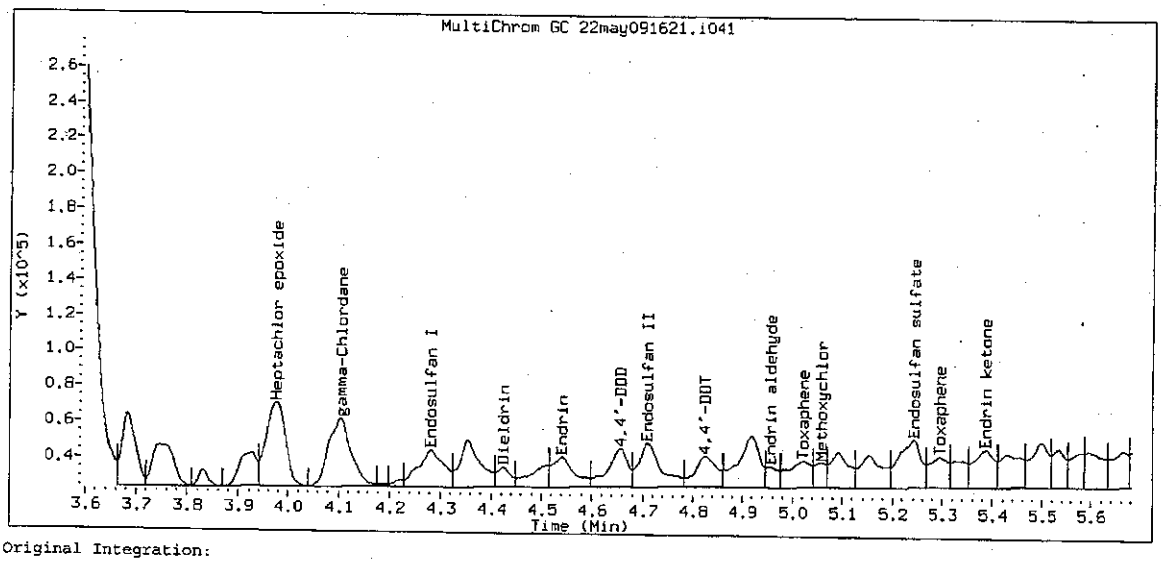
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: 4,4'-DDD

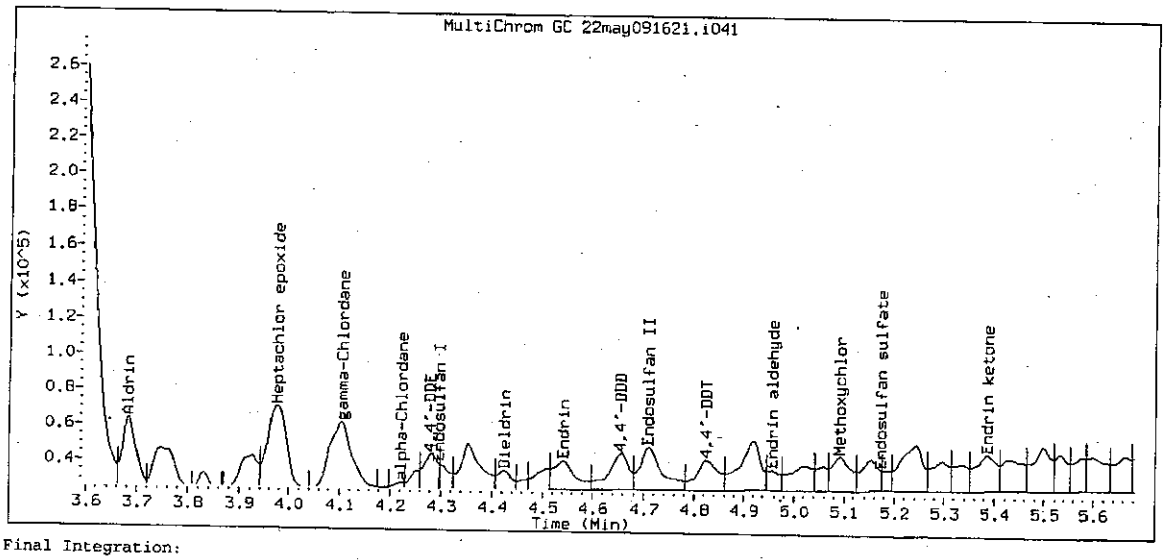
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.6572 Height = 20868



Final Integration:

RT = 4.6572 Height = 20843

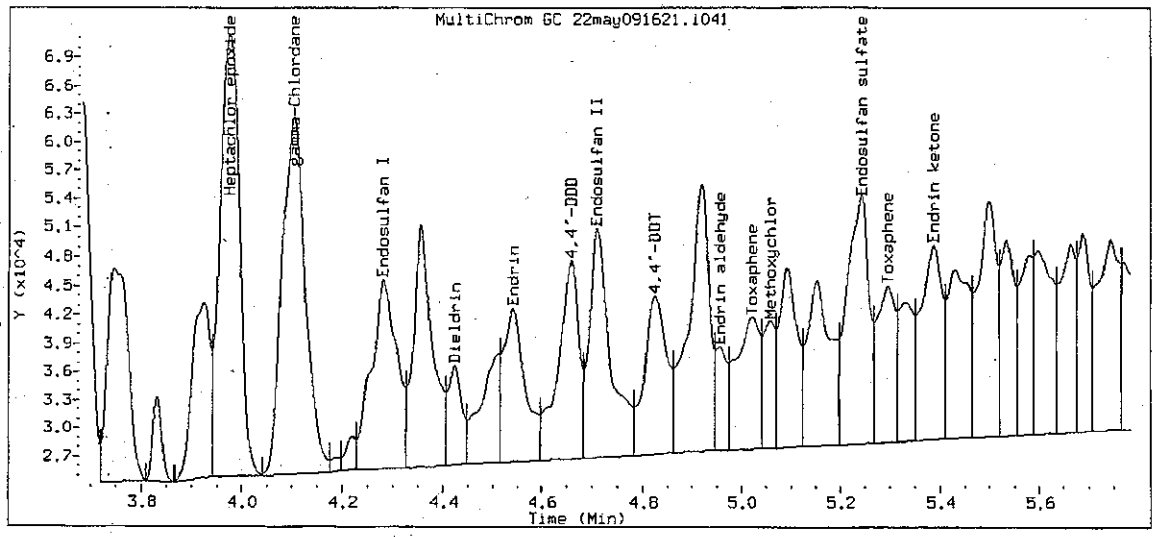
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan II

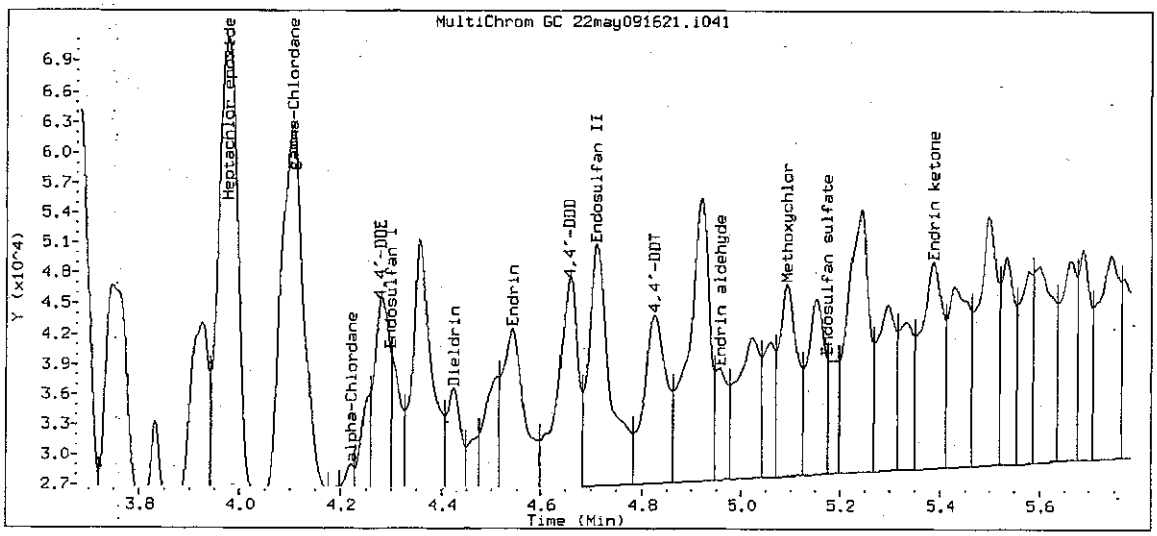
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 33213-65-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 4.7082 Height = 23944



Final Integration:

RT = 4.7082 Height = 23914

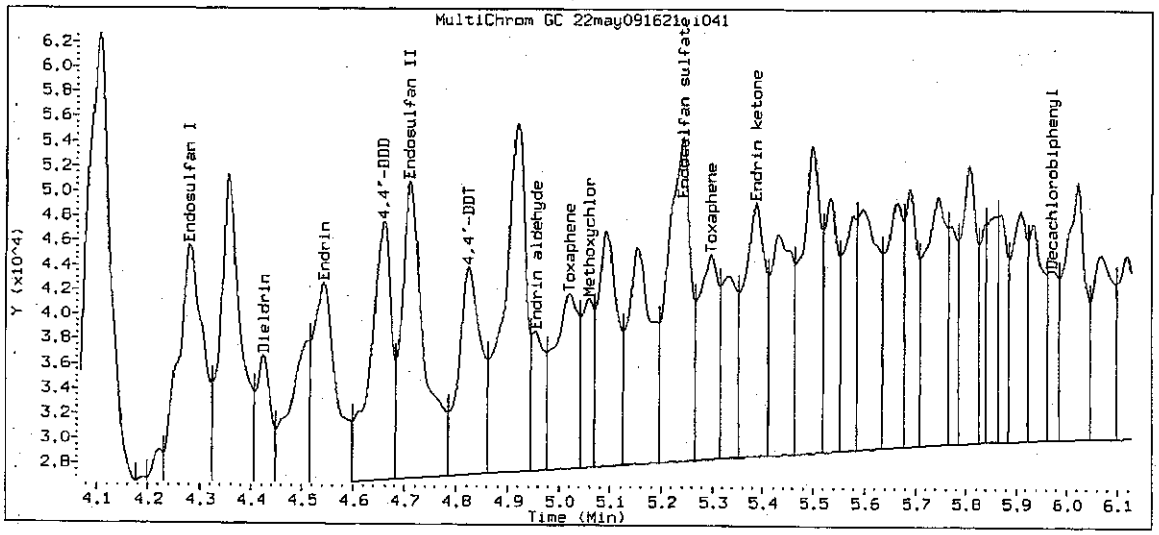
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2Q02
Compound Name: Methoxychlor

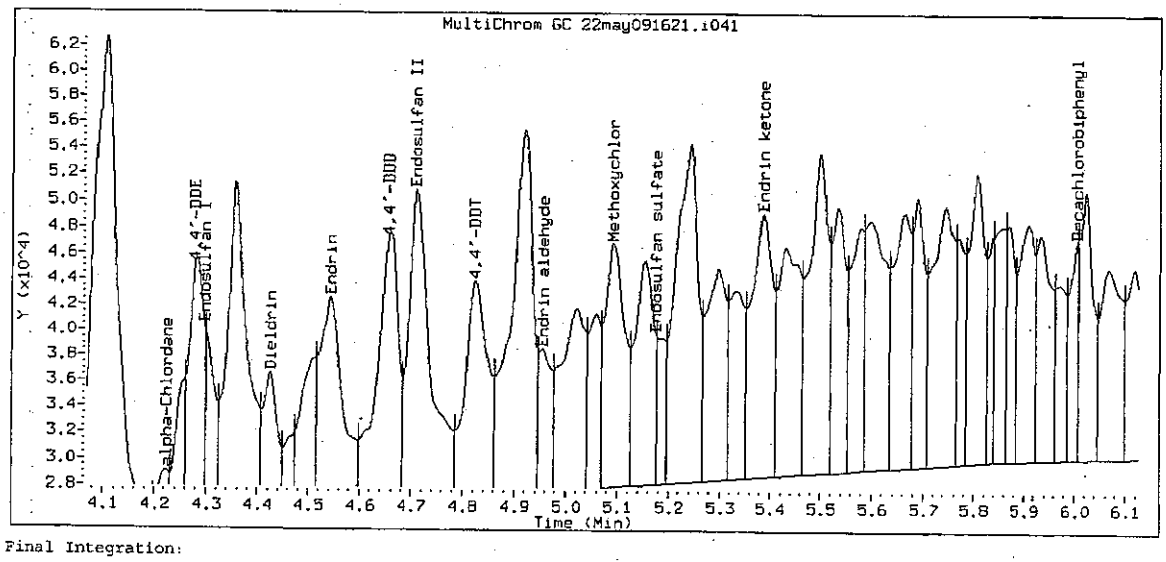
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 72-43-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 5.0584 Height = 13532



Final Integration:

RT = 5.0917 Height = 18940

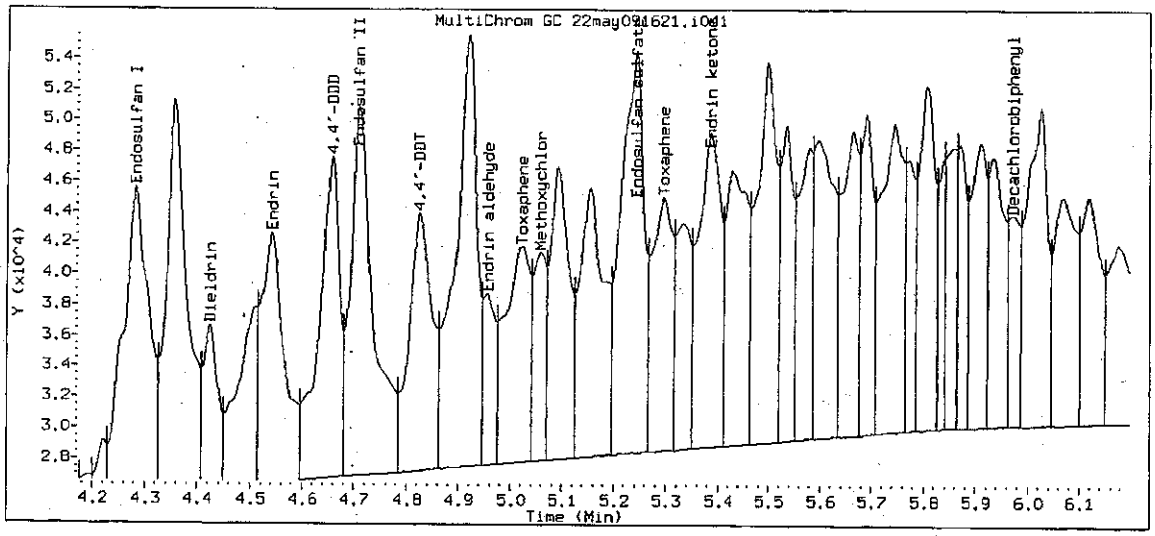
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan sulfate

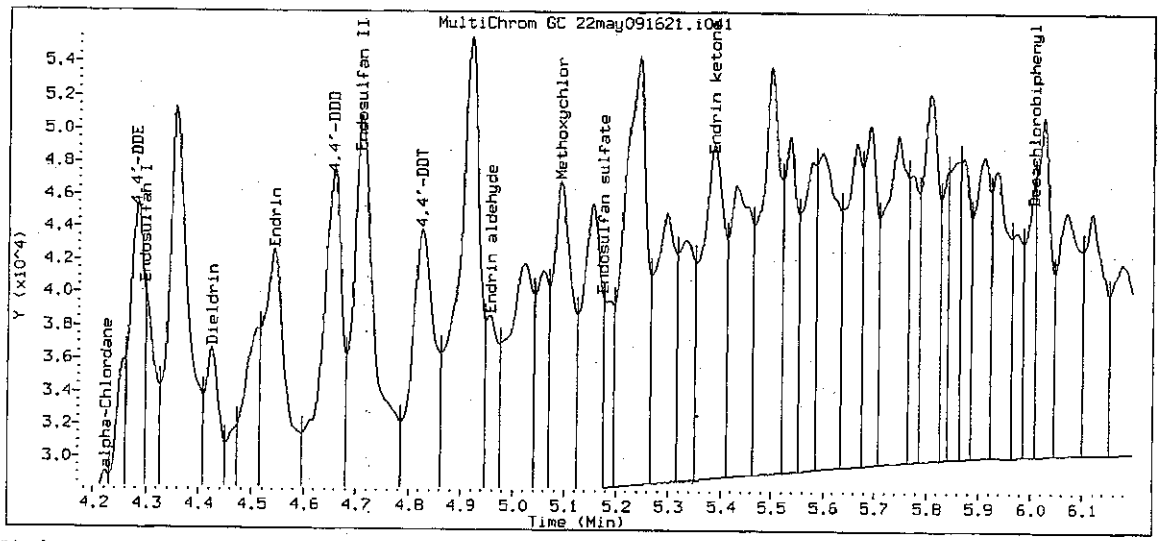
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 1031-07-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 5.2424 Height = 25995



Final Integration:

RT = 5.1759 Height = 11460

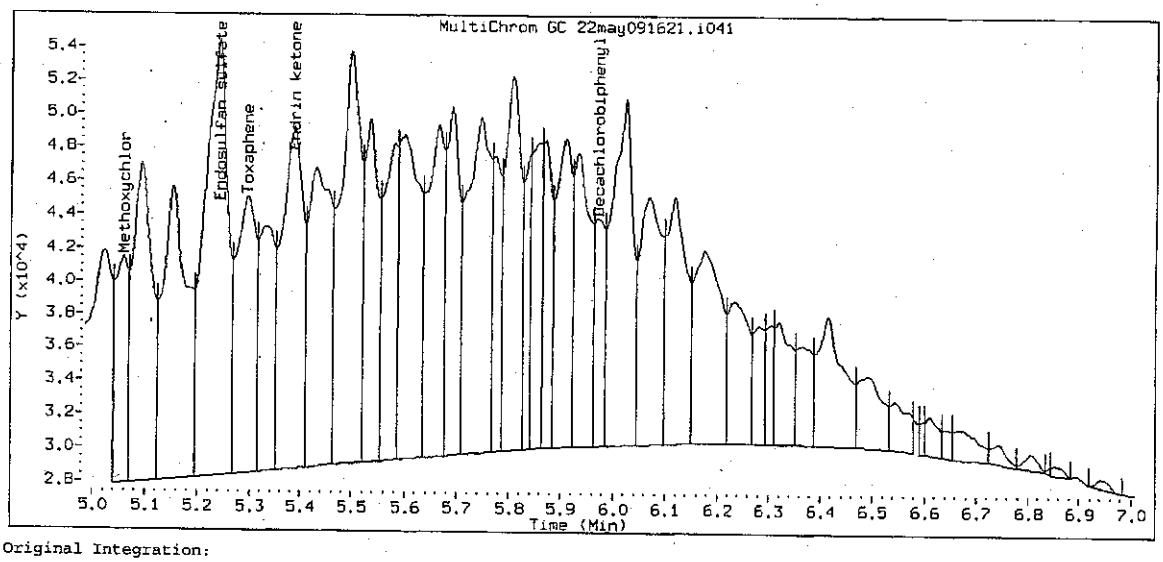
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Decachlorobiphenyl

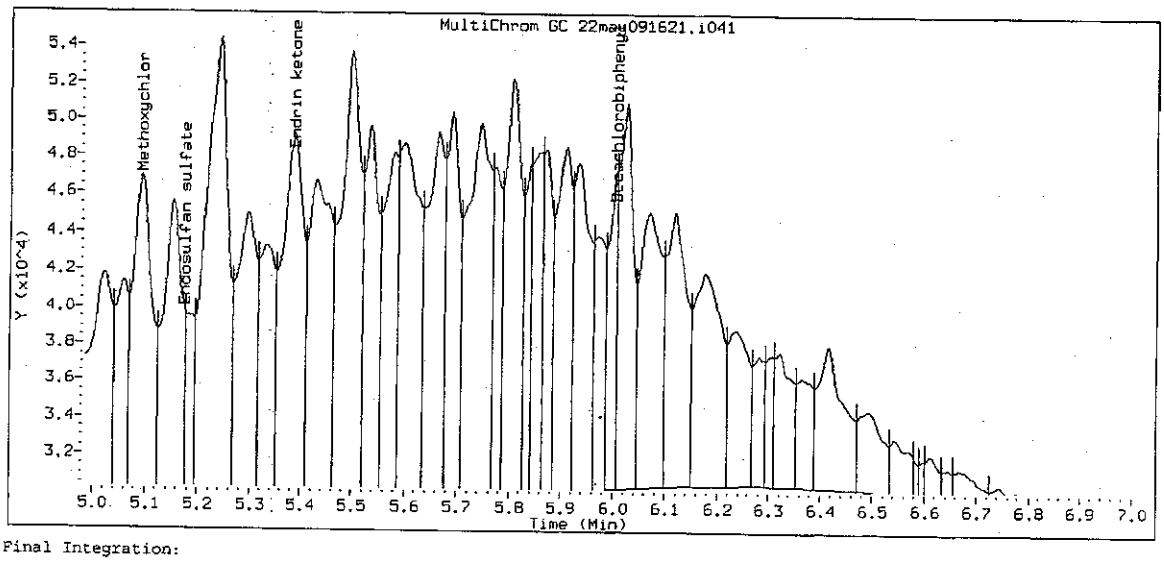
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_1.i
CAS #: 2051-24-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 15:57



Original Integration:

RT = 5.9717 Height = 13641



Final Integration:

RT = 6.0072 Height = 17098

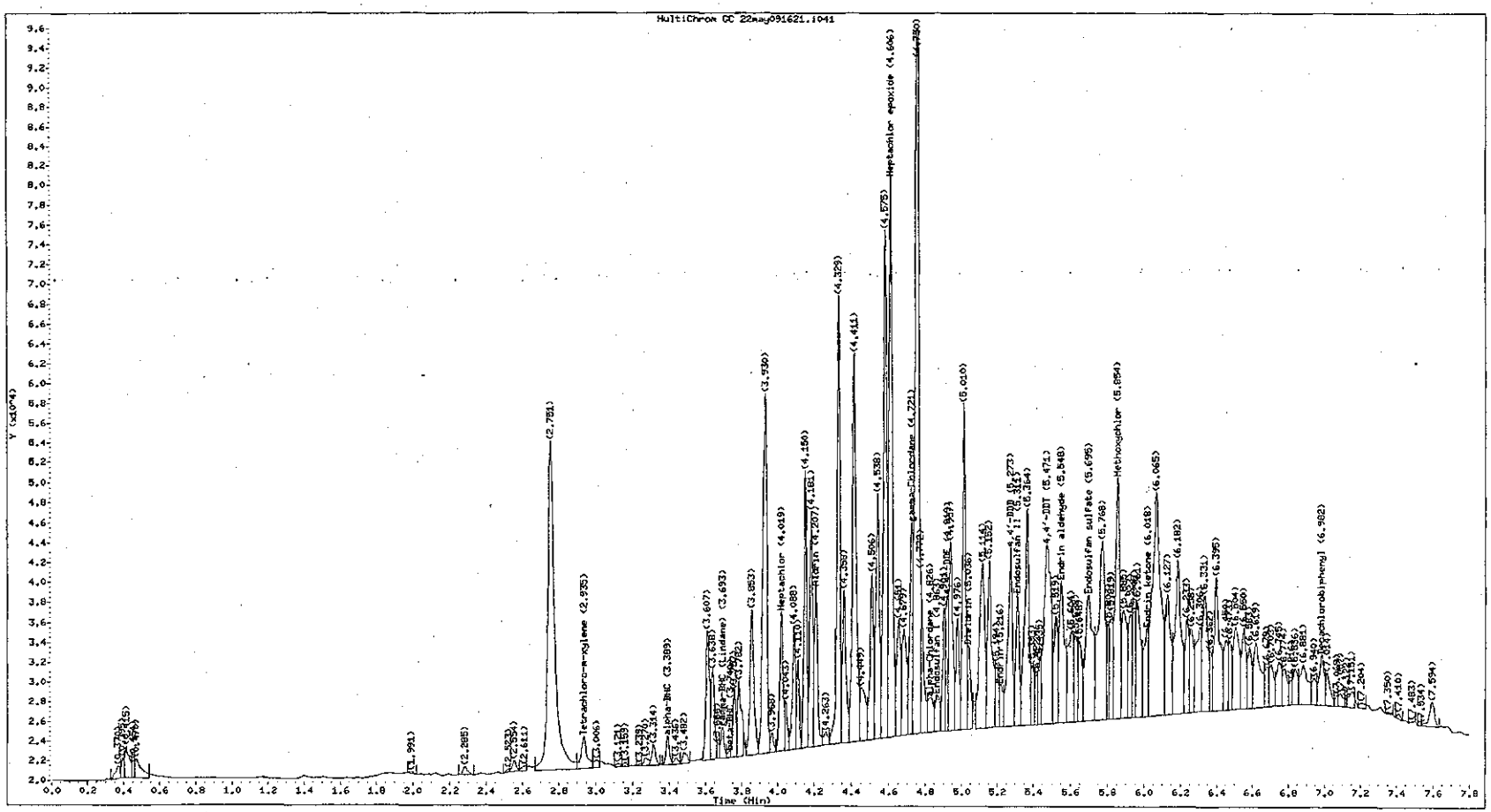
Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794702	Client Sample ID: E2QQ2

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 23-MAY-2009 00:29
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 2.0
Integrator	: Falcon	Compound Sublist	: all

Data File : 22may091621-r041.d
Method : /var/chem/0825_2.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 16:11 jb3



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794702 Client Sample ID: E2QQ2

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 22may091621-r041.d
Method : /var/chem/0825_2.i/052209_4/22MAY091621.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 16:11 jb3

Sample Type : SAMPLE
Injection Date : 23-MAY-2009 00:29
Injection Vol. (ul): 1.0
Dilution Factor : 2.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.370			2247	1254			
	2	0.395			1957	2048			
	3	0.415			5592	3199			
	4	0.454			1553	1773			
	5	0.470			4974	1898			
	6	1.991			260	197			
	7	2.285			1409	809			
	8	2.523			386	303			
	9	2.554			1716	1068			
	10	2.611			976	503			
	11	2.751			89031	33062			
$	12	2.935	2.922	0.013	7161	3256	0.00823954	M	Tetrachloro-m-xylene
	13	3.006			1602	776			
	14	3.121			594	308			
	15	3.159			545	392			
	16	3.239			188	187			
	17	3.270			1322	760			
	18	3.314			3034	2072			
	19	3.389	3.408	-0.019	3632	2886	0.00354720	aM	alpha-BHC
	20	3.436			1027	595			
	21	3.482			2065	1129			
	22	3.607			18497	13122			
	23	3.638			13109	9187		M	
	24	3.666			1570	1597		M	
	25	3.693	3.673	0.020	4237	3183	0.00404306	aM	gamma-BHC (Lindane)
	26	3.740	3.729	0.010	910	697	0.00000000		beta-BHC
	27	3.757			8113	7285		M	
	28	3.782			12252	7610			
	29	3.853			22949	14621			
	30	3.930			60653	36225			
	31	3.968			2514	1946			
	32	4.019	3.992	0.027	18207	14061	0.01772989	M	Heptachlor
	33	4.043			5705	5039			
	34	4.088			15444	12473			
	35	4.110			9684	8980			
	36	4.150			28635	27854			
	37	4.181			28141	23724			
	38	4.207	4.217	-0.010	20939	16035	0.01950813	HM	Aldrin
	39	4.263			2391	1313			
	40	4.329			49742	45011			
	41	4.358			21890	15376			
	42	4.411			56597	39058			
	43	4.449			11841	5348			
	44	4.506			22979	16634			
	45	4.538			34190	24586			
	46	4.575			63959	50992			
	47	4.606	4.584	0.022	79804	56219	0.07006159	M	Heptachlor epoxide
	48	4.651			18597	11716			
	49	4.679			19990	10670			
	50	4.721	4.703	0.018	25553	21276	0.02614643	M	gamma-Chlordane
	51	4.750			128090	89807		M	
	52	4.772			17575	15239		M	
	53	4.826	4.798	0.028	7627	3535	0.00444444	aHM	alpha-Chlordane
	54	4.863	4.838	0.025	7103	3781	0.00489959	aM	Endosulfan I

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.901			12874	12447			
56	4.919	4.883	0.036	15207	13686	0.01605236	M	4,4'-DDE
57	4.937			28321	18985			
58	4.976			14529	11297			
59	5.010			41326	32742			
60	5.036	5.007	0.030	10794	8456	0.00982008	aM	Dieldrin
61	5.114			35958	16555			
62	5.152			30222	16776			
63	5.194			8797	6485			
64	5.216	5.193	0.023	6645	4260	0.00547157	aM	Endrin
65	5.273	5.237	0.037	32113	17983	0.02473679	M	4,4'-DDD
66	5.311	5.321	-0.010	18483	13180	0.01835341	M	Endosulfan II
67	5.364			38671	21736			
68	5.393			8048	5946			
69	5.422			5202	5097		M	
70	5.435			7187	6550		M	
71	5.471	5.428	0.043	49780	17989	0.02308542	M	4,4'-DDT
72	5.519			16910	10729			
73	5.548	5.520	0.028	29518	14230	0.02527896	M	Endrin aldehyde
74	5.604			19605	9086			
75	5.628			11988	8677			
76	5.648			12054	8098			
77	5.695	5.683	0.012	35598	12599	0.01955710	M	Endosulfan sulfate
78	5.768			47557	17937			
79	5.803			9901	9531			
80	5.819			14497	10654			
81	5.854	5.822	0.033	41686	24103	0.06859423	HM	Methoxychlor
82	5.885			22193	10799			
83	5.923			15478	10325			
84	5.945			12530	10651			
85	5.961			23473	11397			
86	6.018	6.021	-0.002	15361	8853	0.01188406	M	Endrin ketone
87	6.065			77198	22366			
88	6.127			26098	12010			
89	6.182			37451	15444			
90	6.233			14666	9445			
91	6.258			13185	8470			
92	6.306			19784	8516			
93	6.331			24452	11638			
94	6.362			6143	6061			
95	6.395			31329	13341			
96	6.450			12151	7083			
97	6.473			9469	6975			
98	6.504			20065	8245			
99	6.550			14865	8064			
100	6.583			9680	6136			
101	6.619			18429	6504			
102	6.679			6056	4028			
103	6.703			8130	4211			
104	6.745			9432	4423			
105	6.774			7412	3737			
106	6.816			2757	2455			
107	6.836			6926	3635			
108	6.881			12651	3992			
109	6.940			5029	2682			
$ 110	6.982	6.951	0.032	9684	5026	0.01126603	M	Decachlorobiphenyl
111	7.014			6439	3274			
112	7.069			1424	1172			
113	7.087			2454	1335			
114	7.122			836	972			
115	7.151			3512	1635			
116	7.204			1198	558			
117	7.350			255	206			
118	7.410			641	483			
119	7.483			137	120			
120	7.534			112	193			
121	7.594			5232	2494			

TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

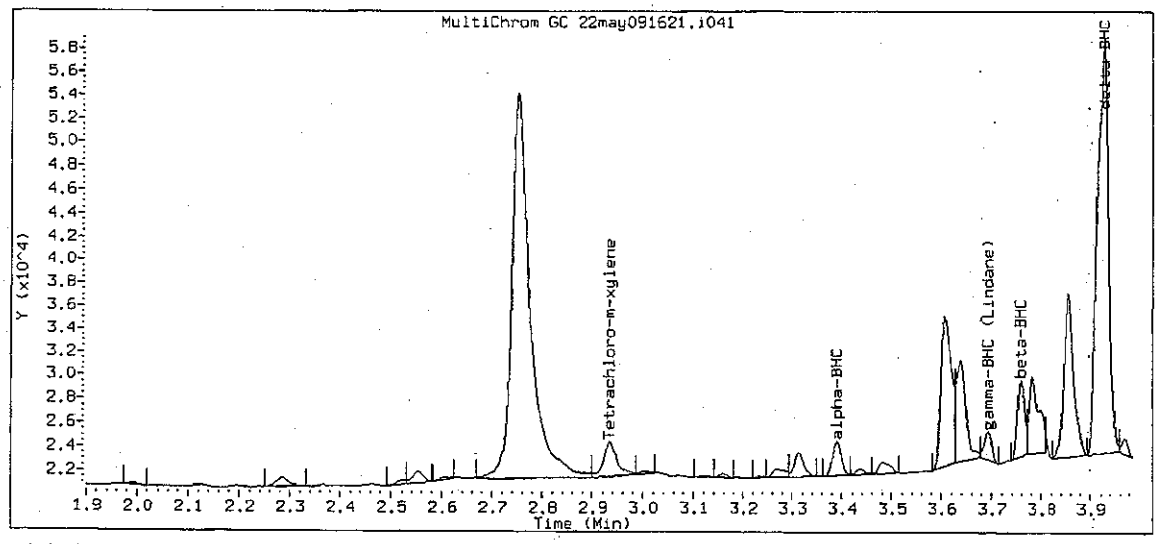
Peak RT	Expected RT	Target Compound
2.935	2.922	Tetrachloro-m-xylene
3.389	3.408	alpha-BHC
3.693	3.673	gamma-BHC (Lindane)
	3.729	beta-BHC
	3.938	delta-BHC
4.019	3.992	Heptachlor
4.207	4.217	Aldrin
4.606	4.584	Heptachlor epoxide
4.721	4.703	gamma-Chlordane
4.826	4.798	alpha-Chlordane
4.863	4.838	Endosulfan I
4.919	4.883	4,4'-DDE
5.036	5.007	Dieldrin
5.216	5.193	Endrin
5.273	5.237	4,4'-DDD
5.311	5.321	Endosulfan II
	5.418	Toxaphene
5.471	5.428	4,4'-DDT
5.548	5.520	Endrin aldehyde
5.695	5.683	Endosulfan sulfate
5.854	5.822	Methoxychlor
6.018	6.021	Endrin ketone
6.982	6.951	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Tetrachloro-m-xylene

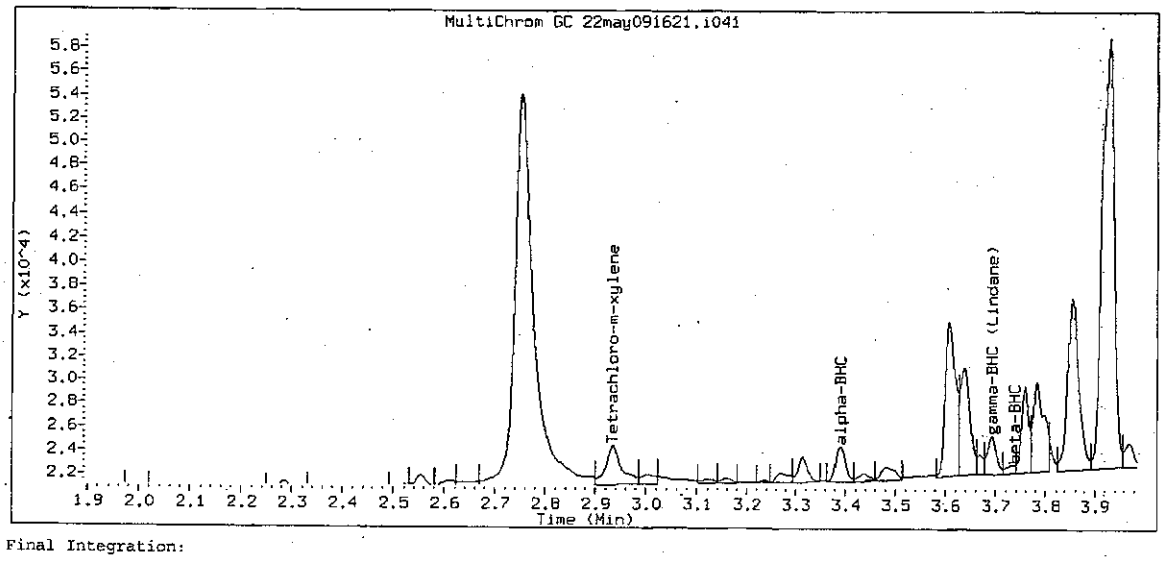
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 877-09-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 2.9349 Height = 2909



Final Integration:

RT = 2.9349 Height = 3256

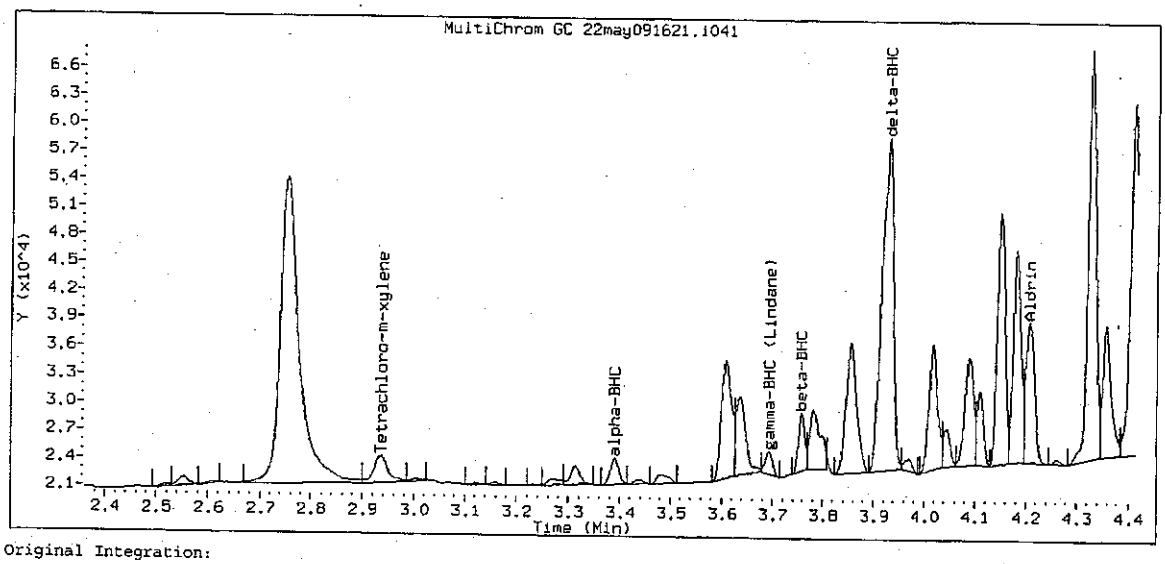
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: alpha-BHC

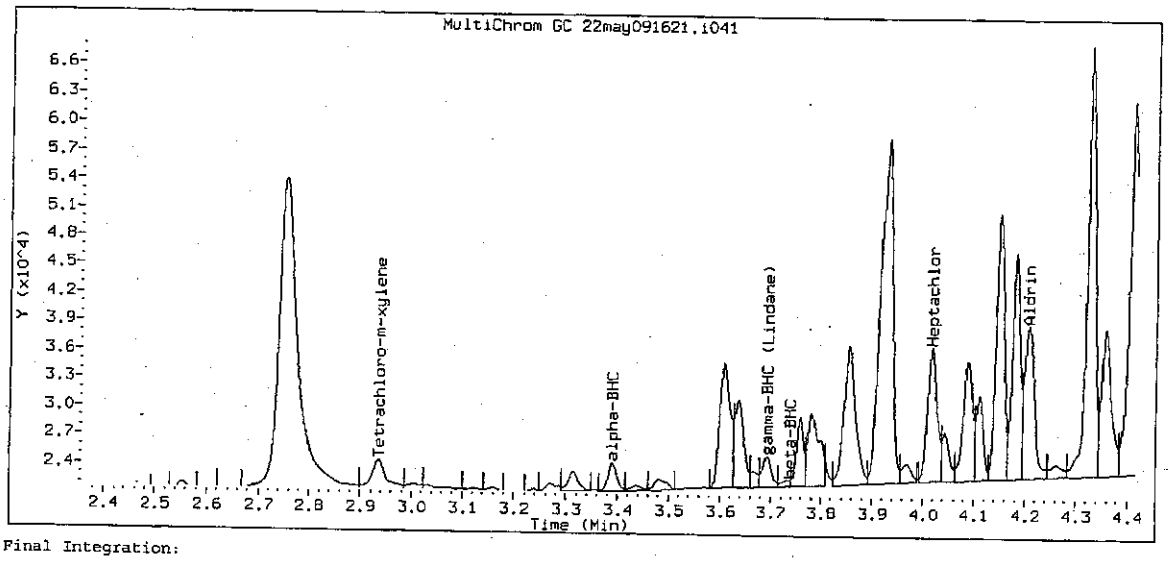
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 319-84-6

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 3.3893 Height = 2807



Final Integration:

RT = 3.3893 Height = 2886

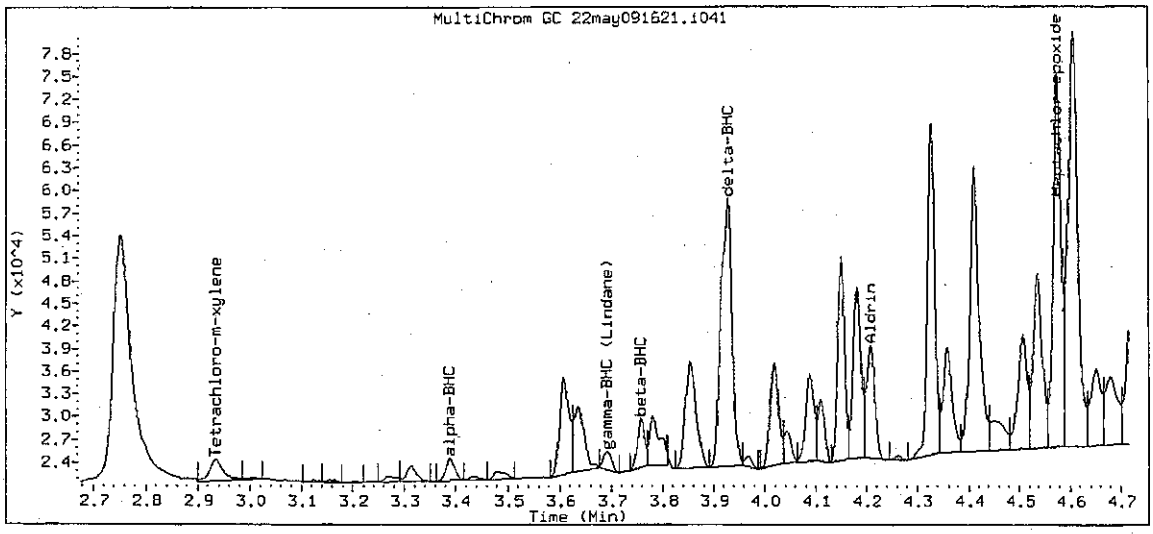
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: gamma-BHC (Lindane)

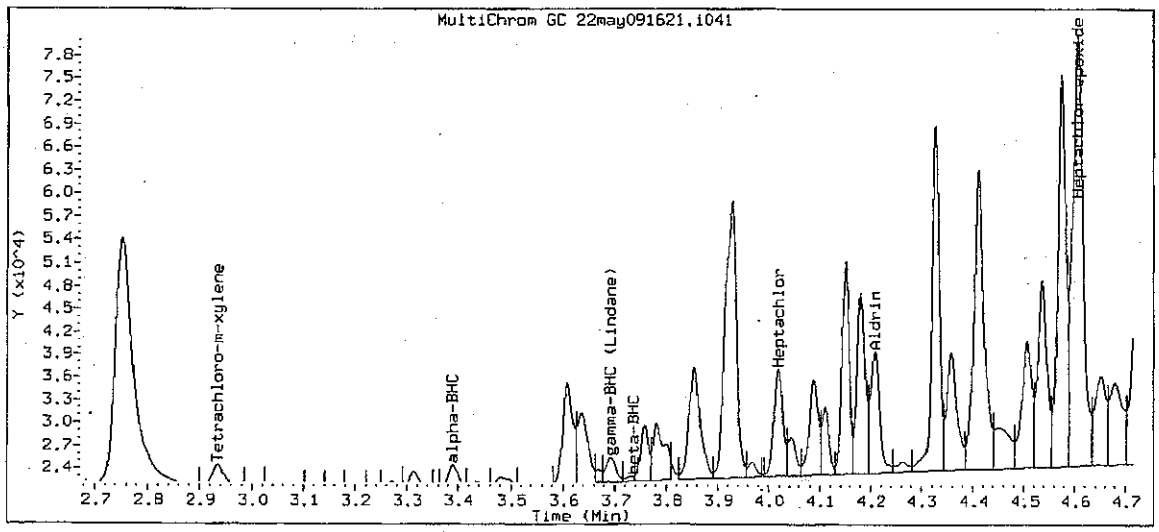
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 58-89-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 3.6930 Height = 2382



Final Integration:

RT = 3.6930 Height = 3183

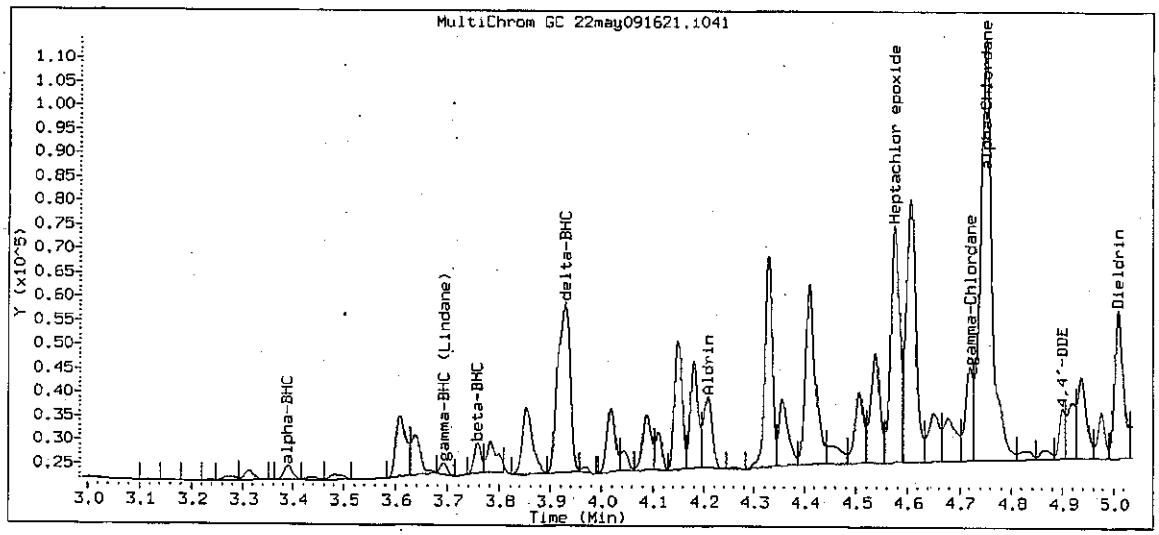
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Heptachlor

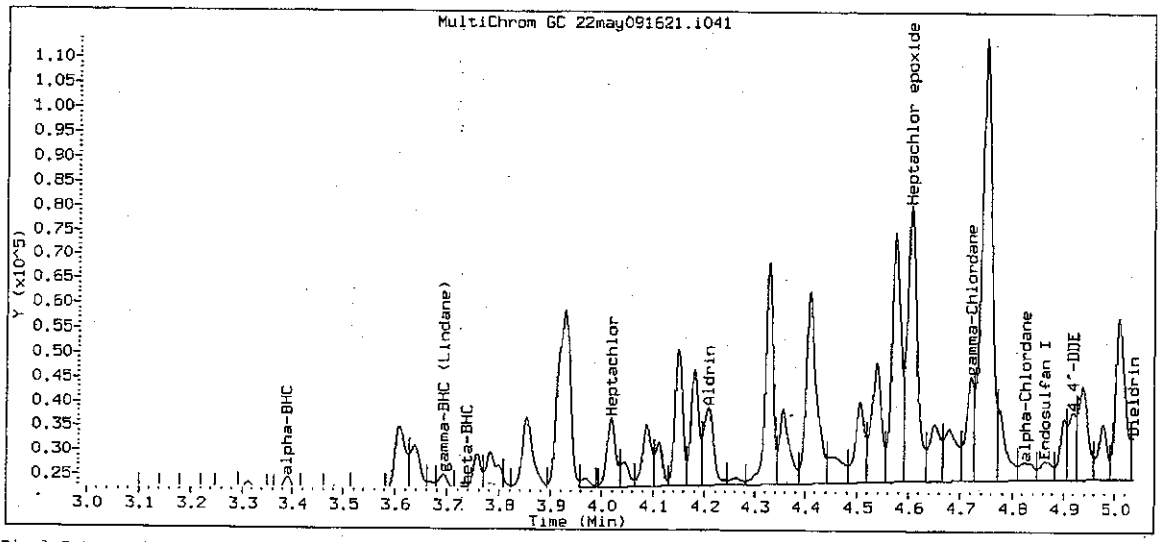
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 76-44-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.0188 Height = 14061

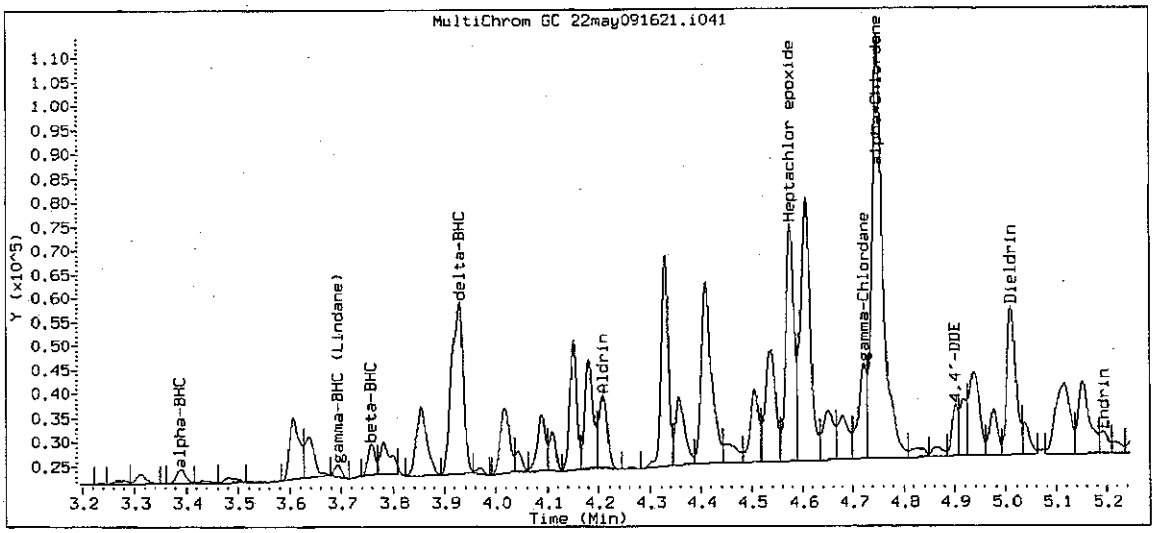
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Aldrin

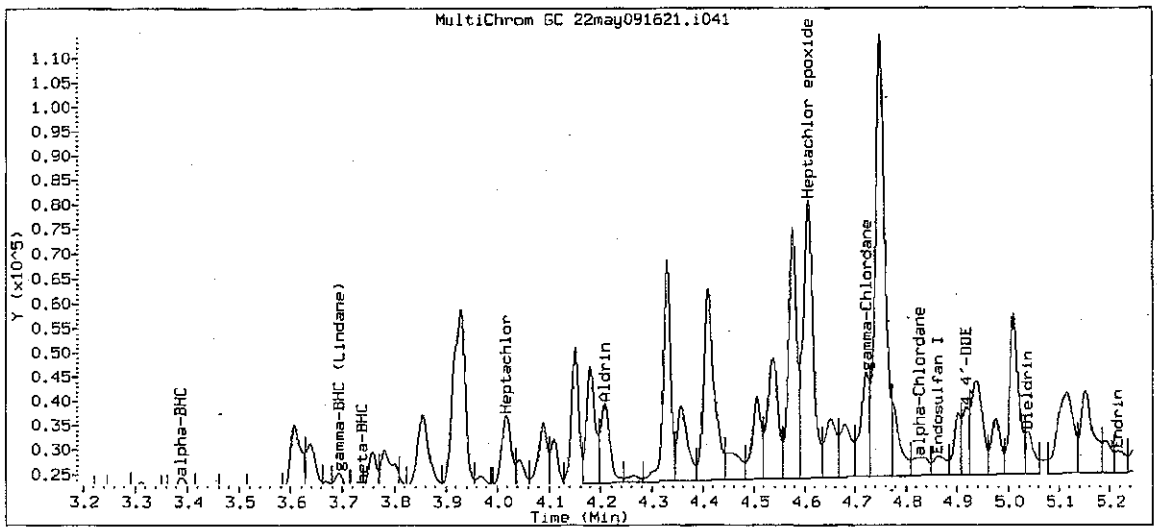
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 309-00-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 4.2072 Height = 14915



Final Integration:

RT = 4.2072 Height = 16035

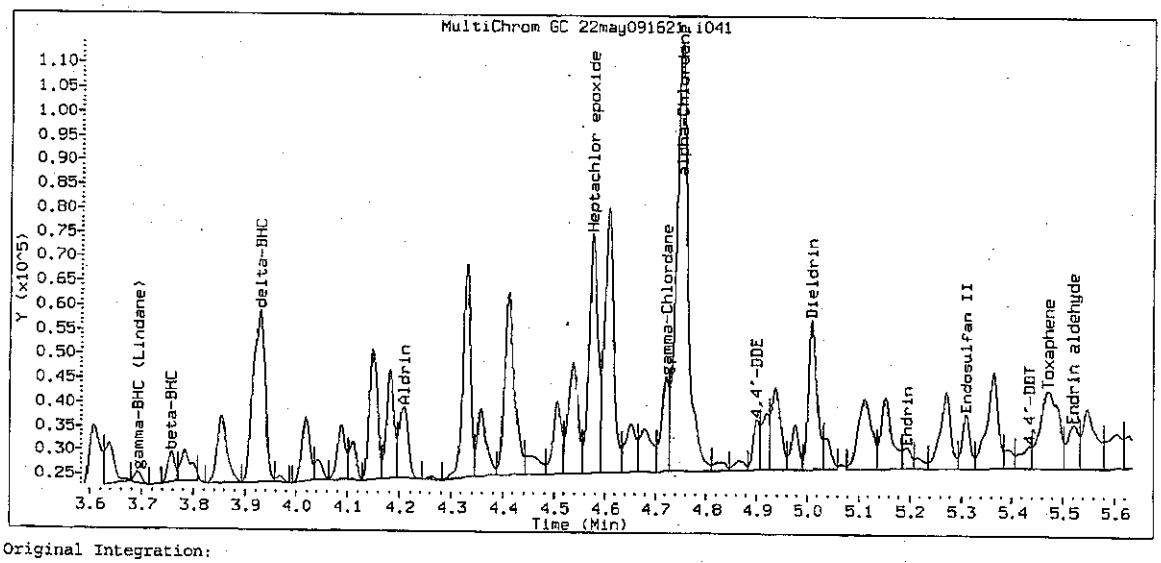
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Heptachlor epoxide

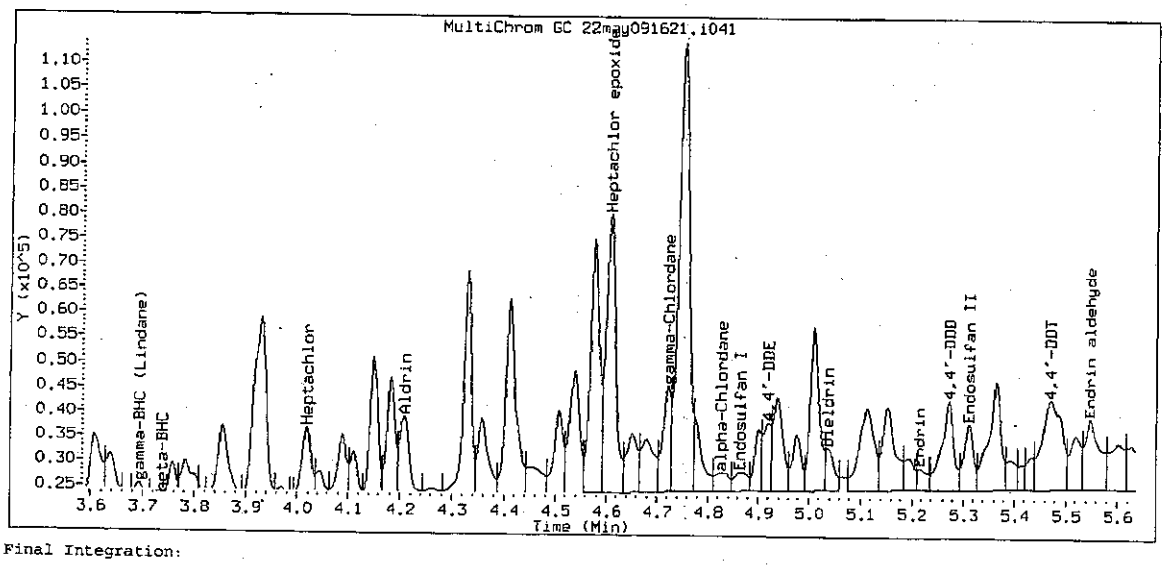
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 4.5752 Height = 49339



Final Integration:

RT = 4.6062 Height = 56219

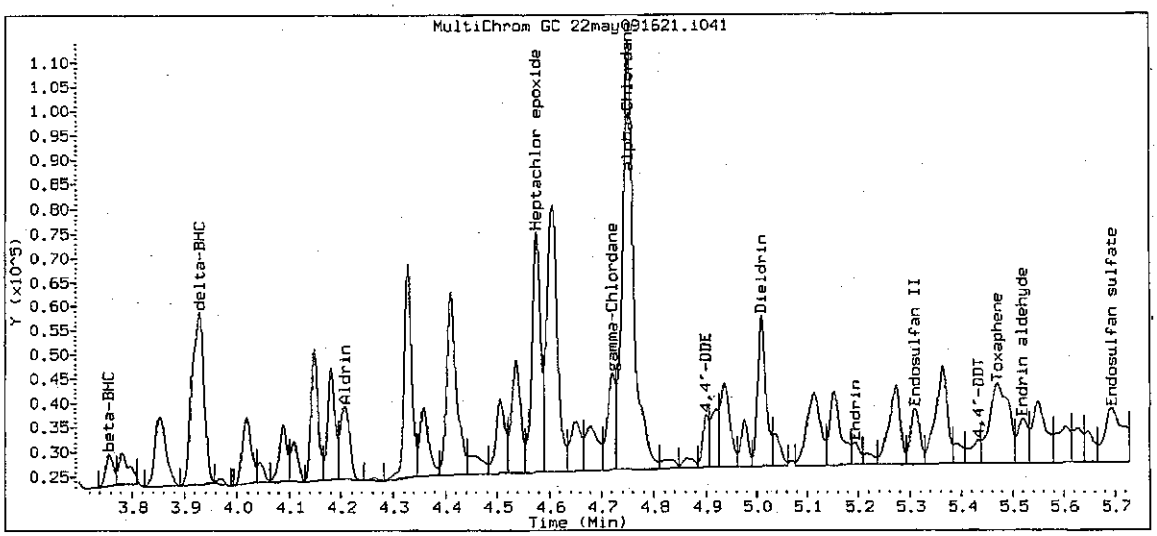
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: gamma-Chlordane

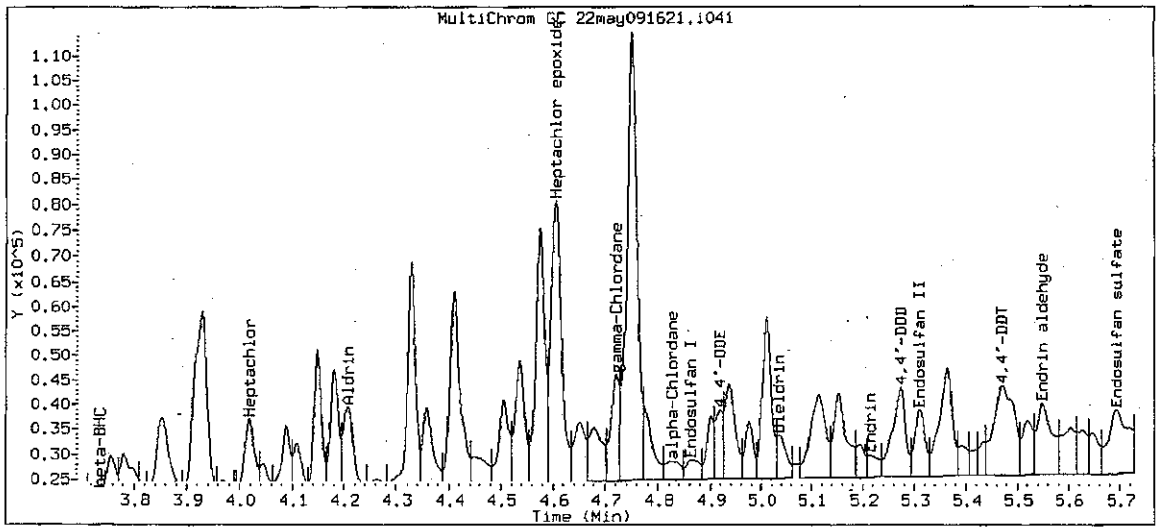
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 4.7215 Height = 19535



Final Integration:

RT = 4.7215 Height = 21276

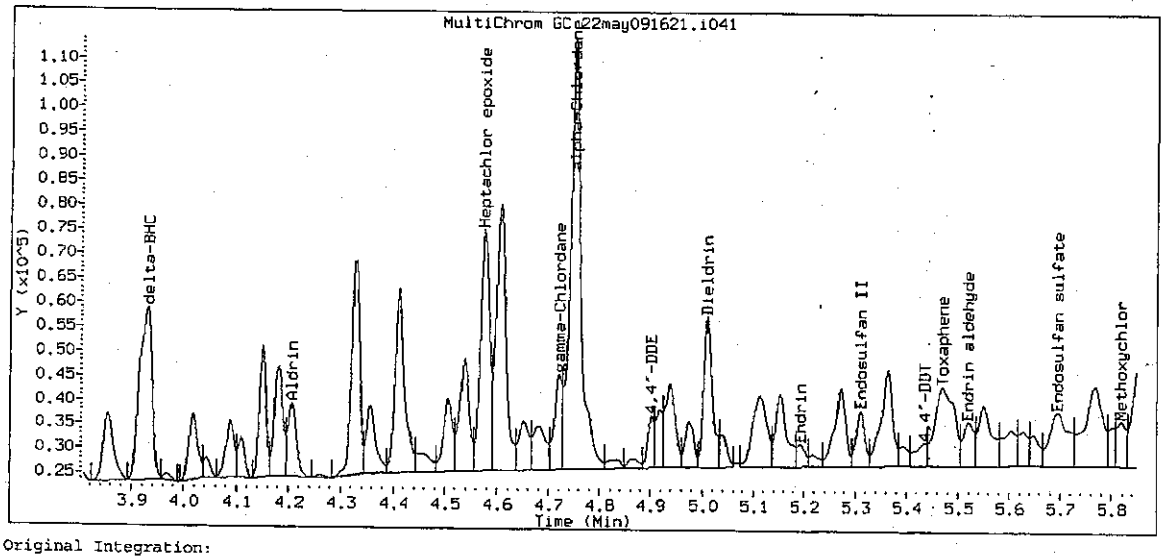
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: alpha-Chlordane

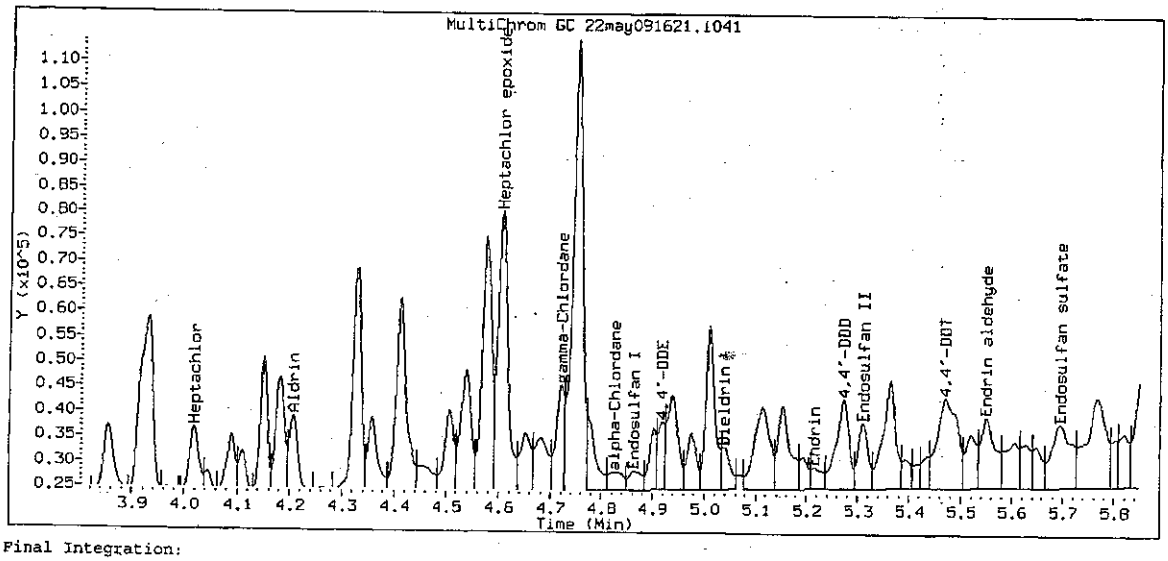
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 4.7503 Height = 88069



Final Integration:

RT = 4.8257 Height = 3535

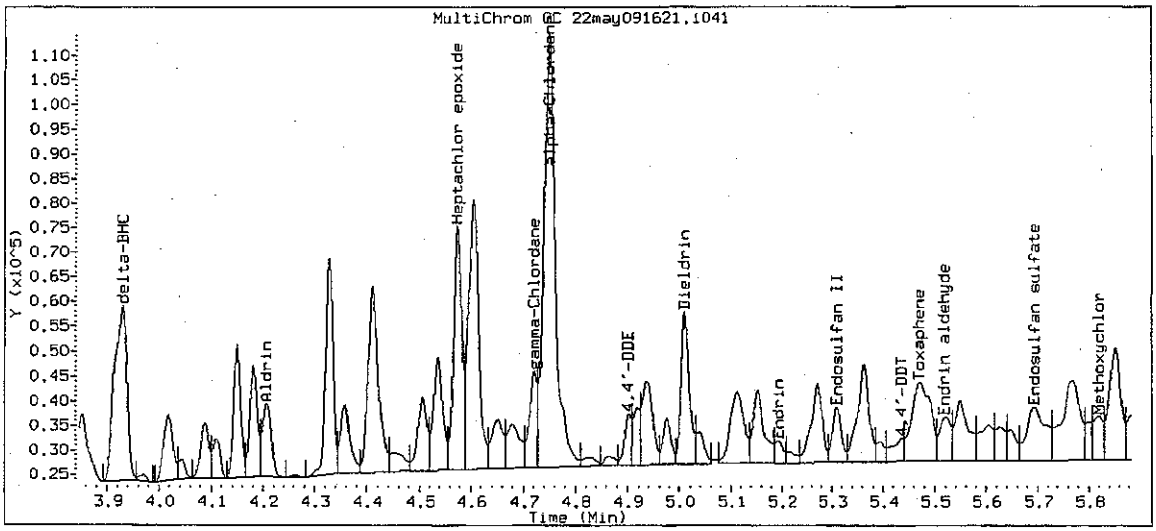
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan I

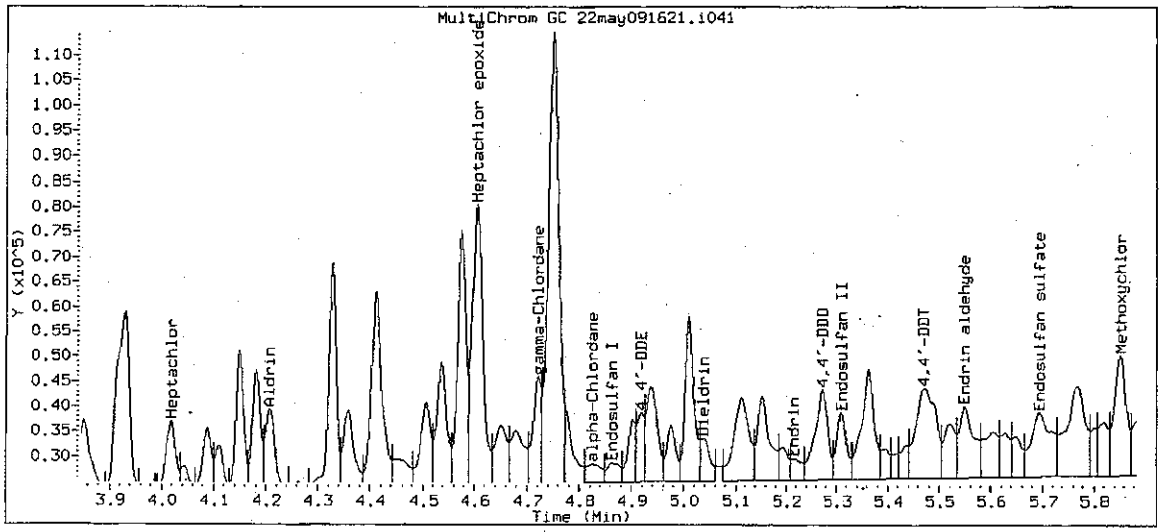
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.8634 Height = 3781

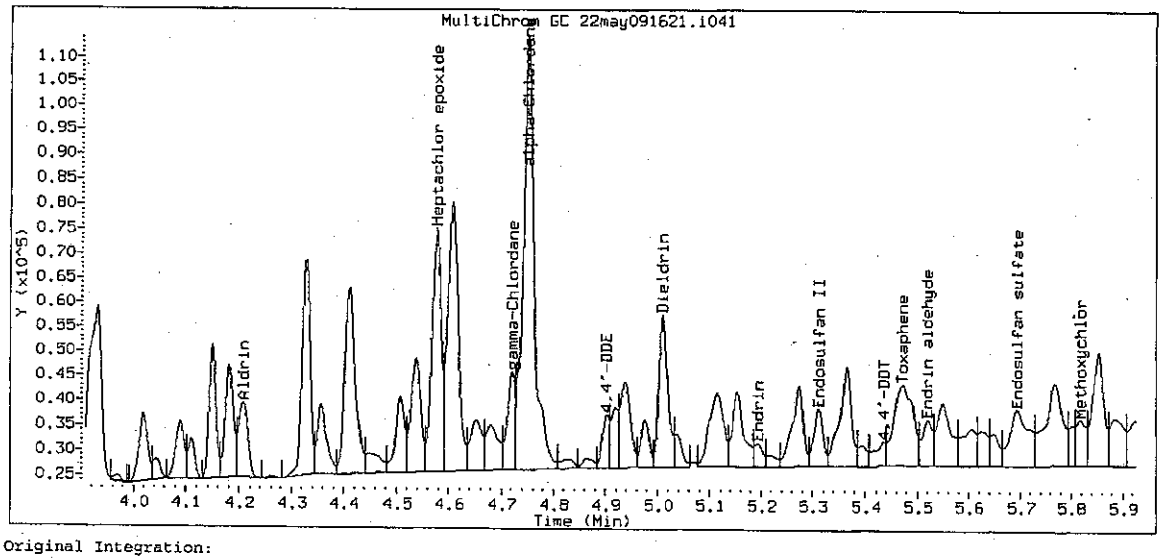
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: 4,4'-DDE

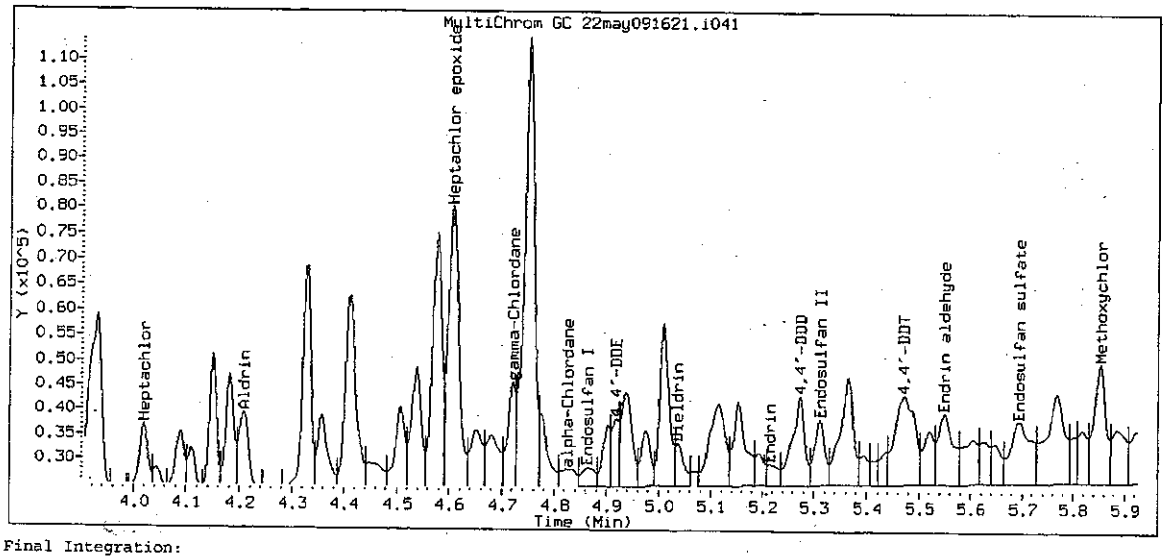
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 4.9010 Height = 10547



Final Integration:

RT = 4.9188 Height = 13686

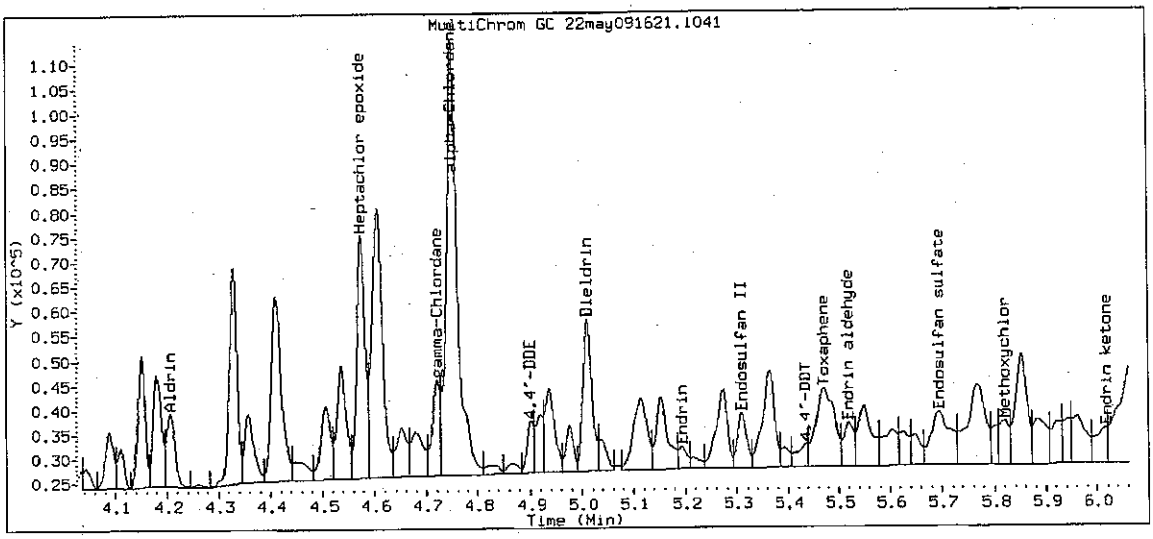
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Dieldrin

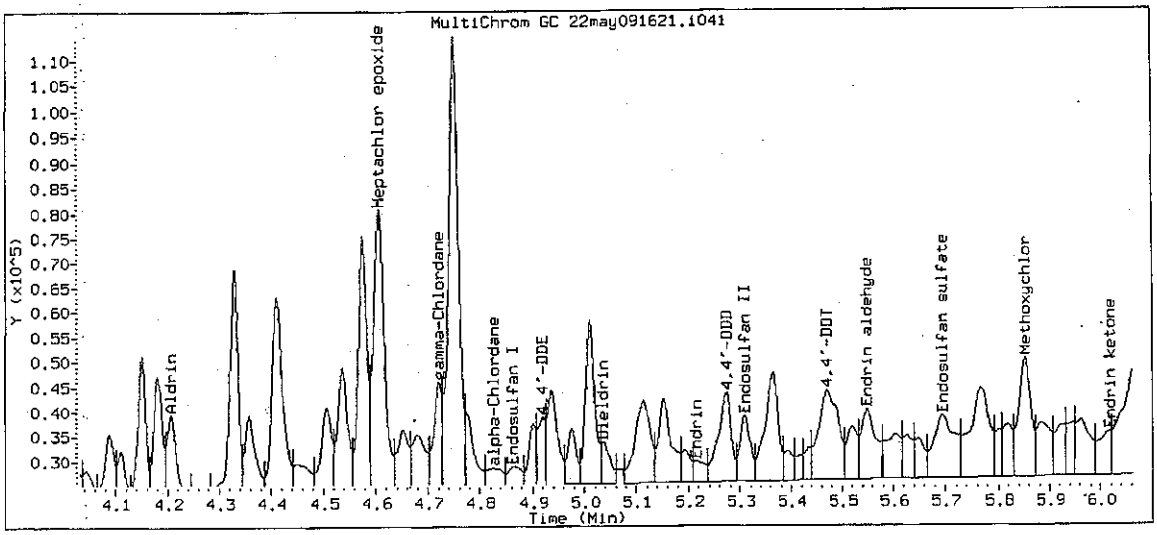
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 60-57-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.0097 Height = 30807



Final Integration:

RT = 5.0363 Height = 8456

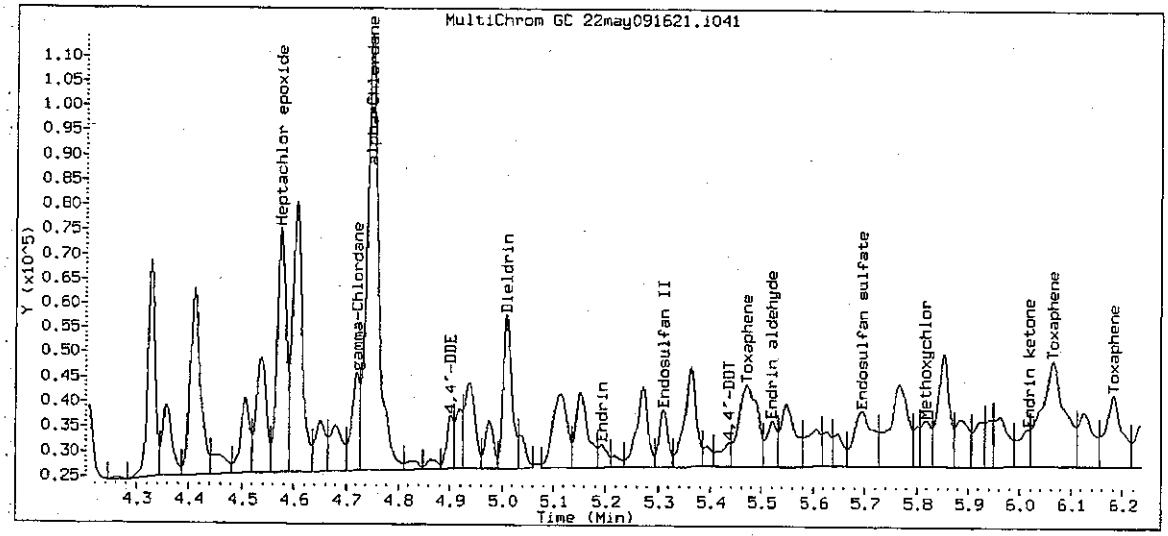
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endrin

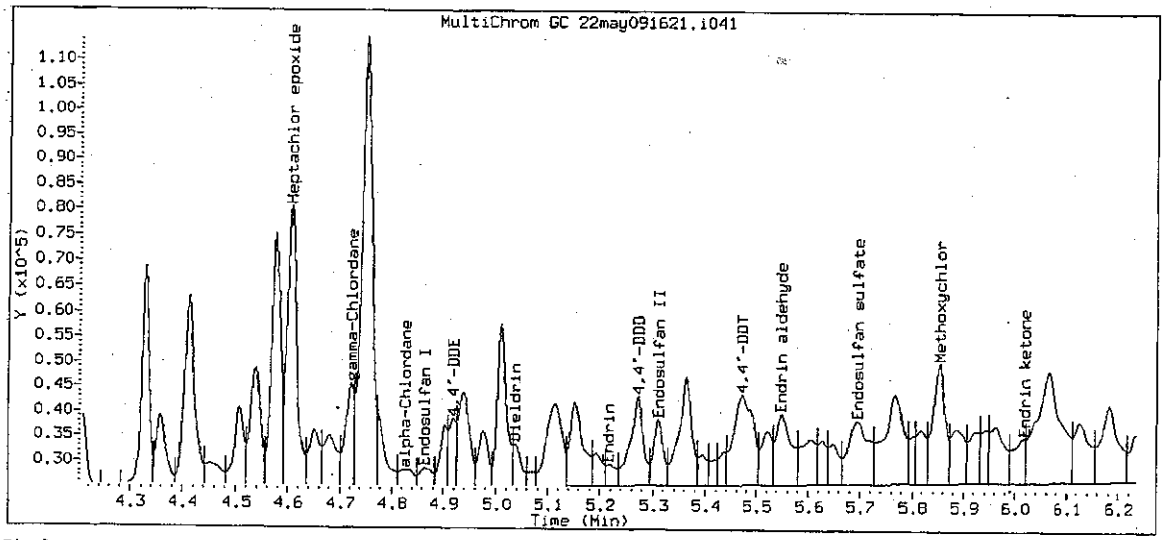
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 72-20-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.1936 Height = 4532



Final Integration:

RT = 5.2158 Height = 4260

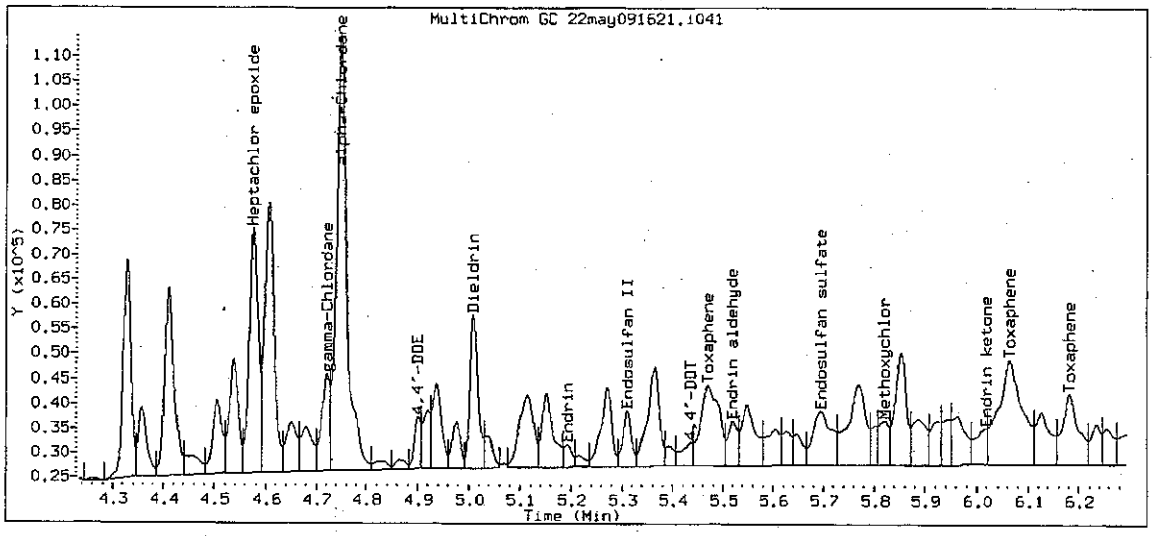
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: 4,4'-DDD

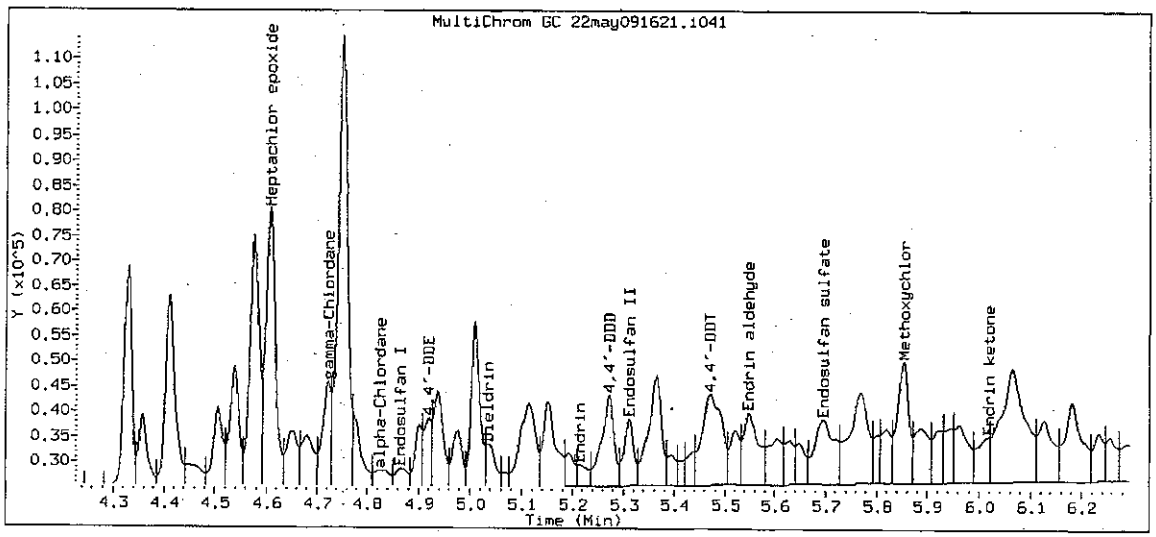
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 5.2735 Height = 17983

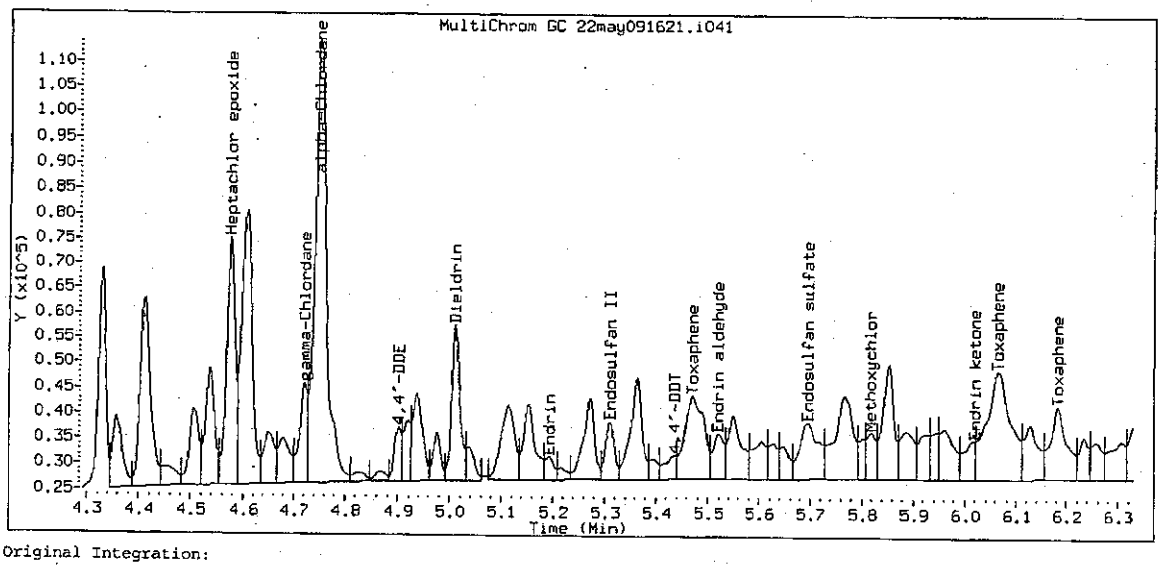
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan II

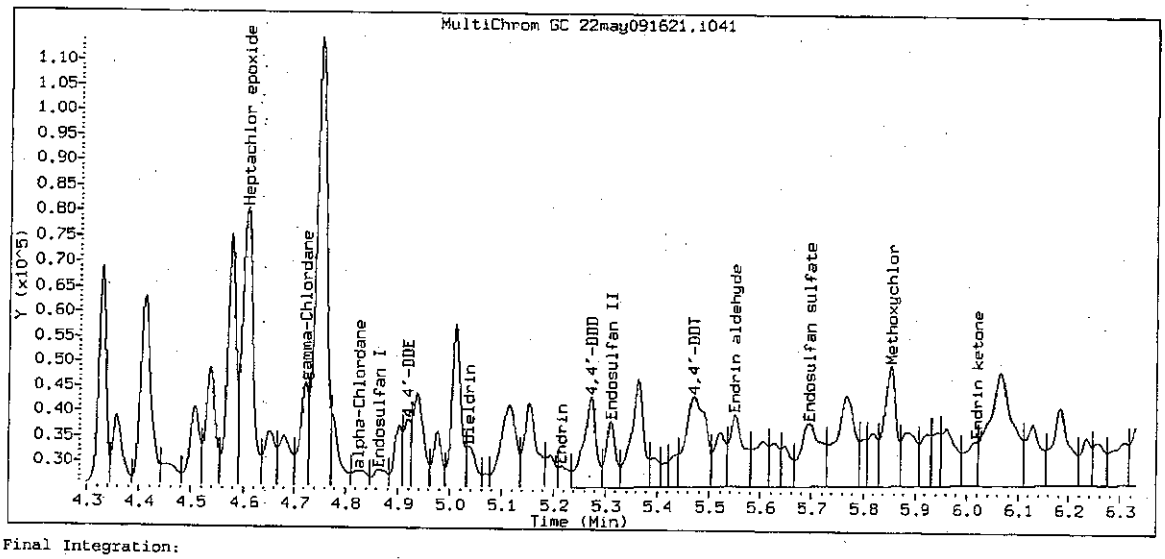
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 33213-65-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.3111 Height = 11253



Final Integration:

RT = 5.3111 Height = 13180

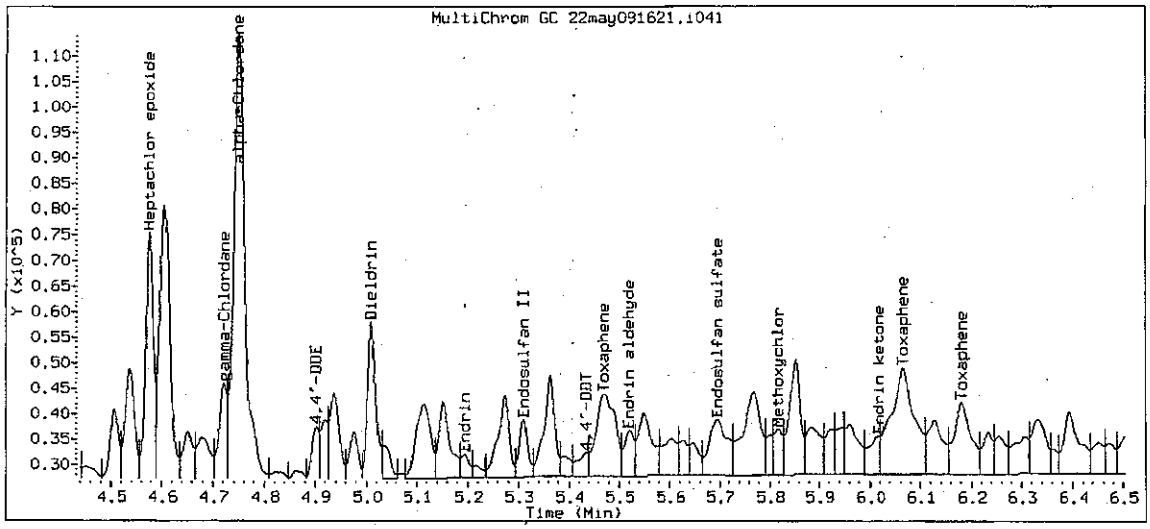
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: 4,4'-DDT

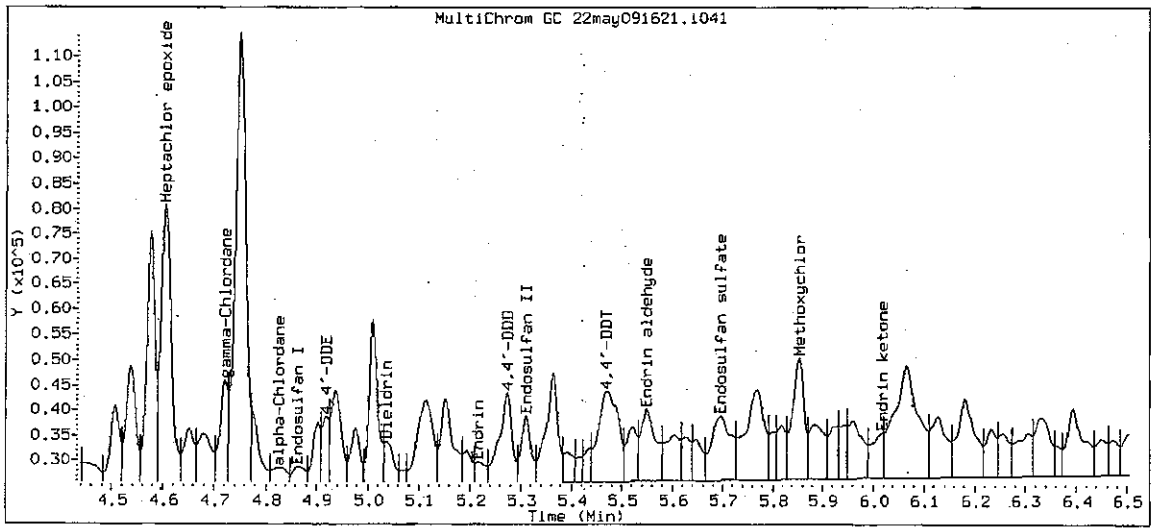
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.4353 Height = 4658



Final Integration:

RT = 5.4707 Height = 17989

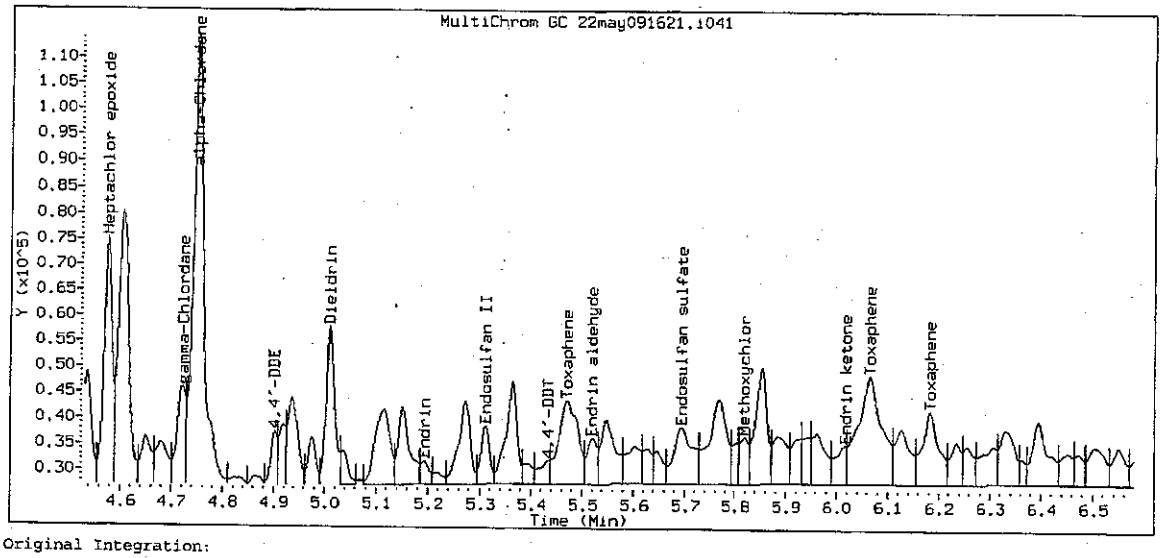
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endrin aldehyde

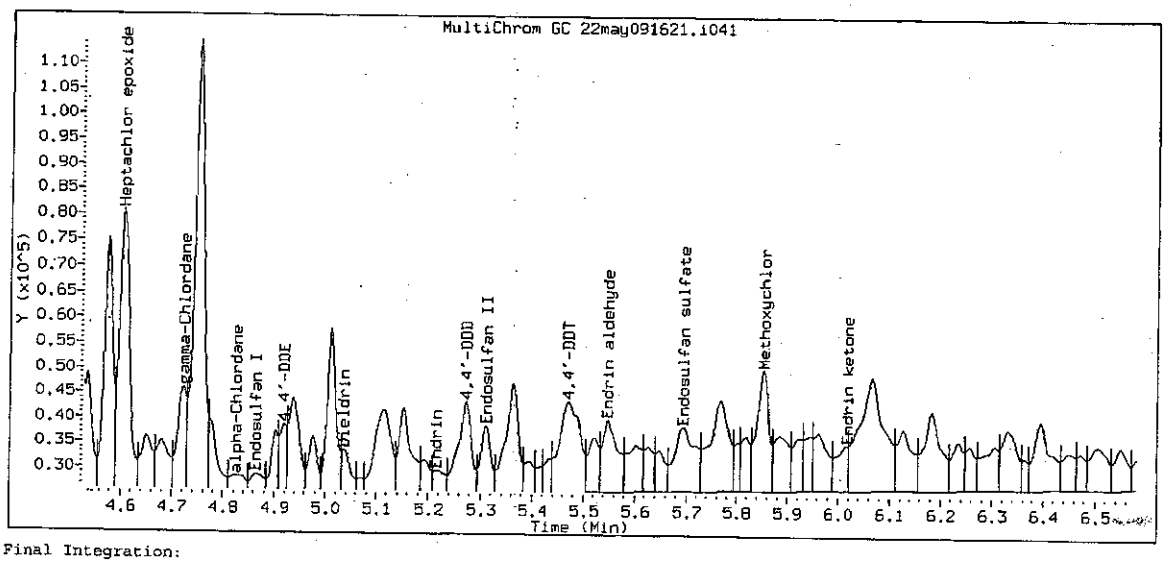
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 7421-93-4

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.5195 Height = 8896



Final Integration:

RT = 5.5483 Height = 14230

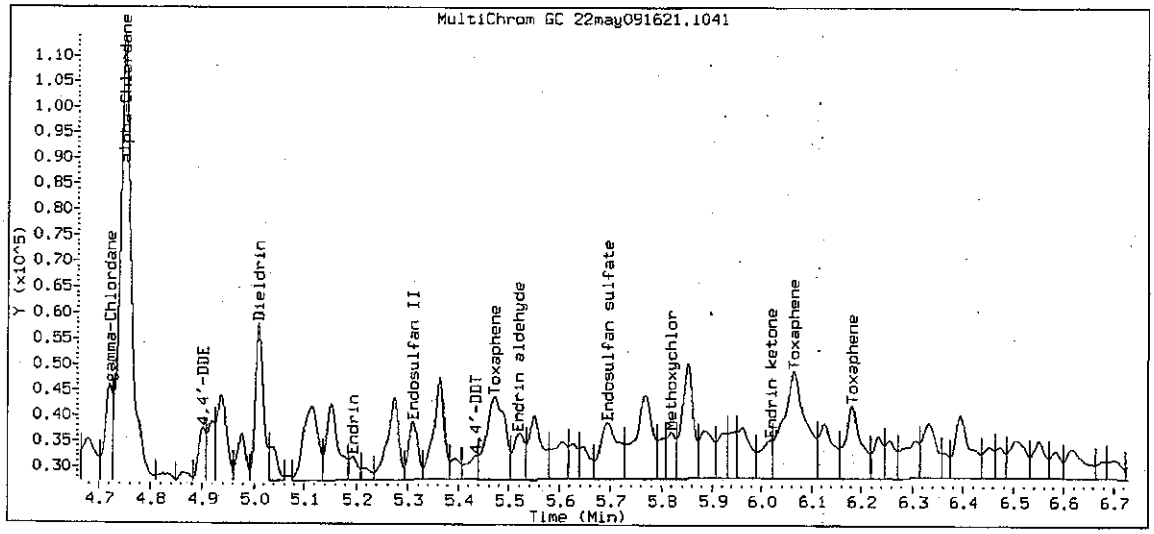
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endosulfan sulfate

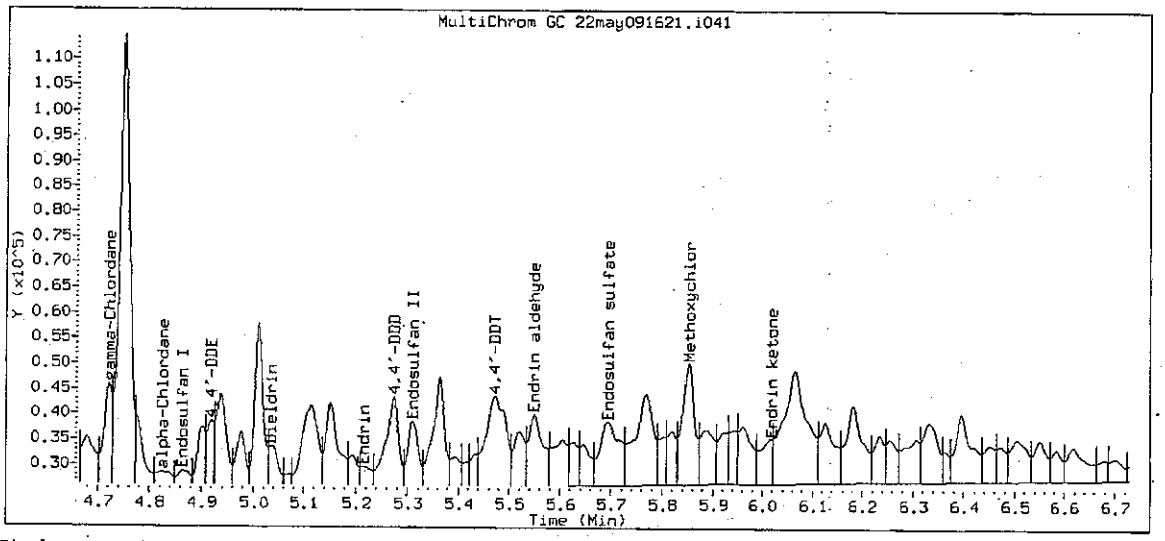
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 1031-07-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.6946 Height = 10880



Final Integration:

RT = 5.6946 Height = 12599

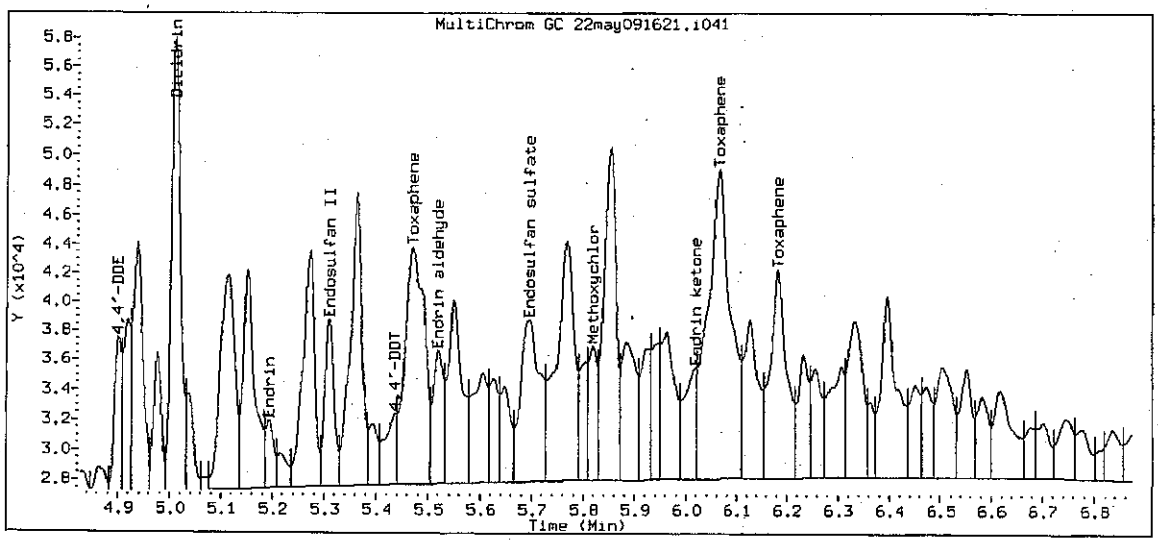
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Methoxychlor

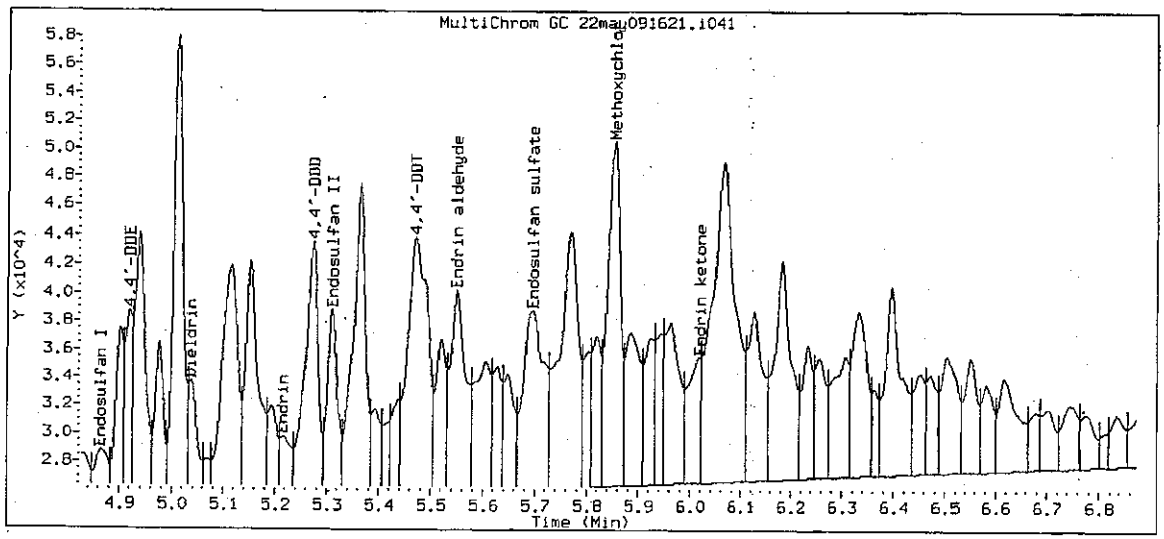
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 72-43-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 5.8187 Height = 9011



Final Integration:

RT = 5.8542 Height = 24103

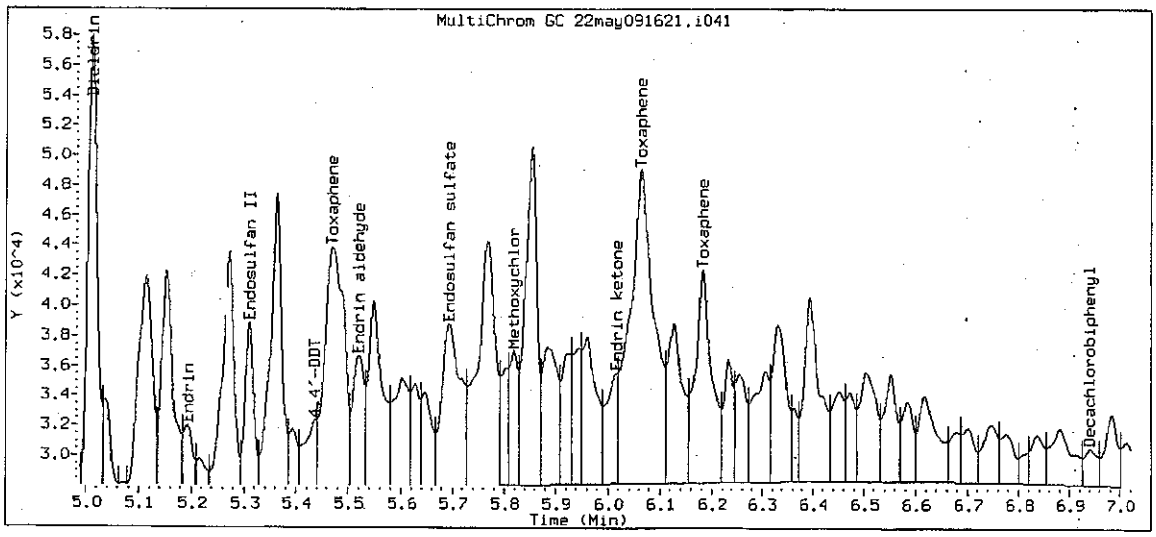
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Endrin ketone

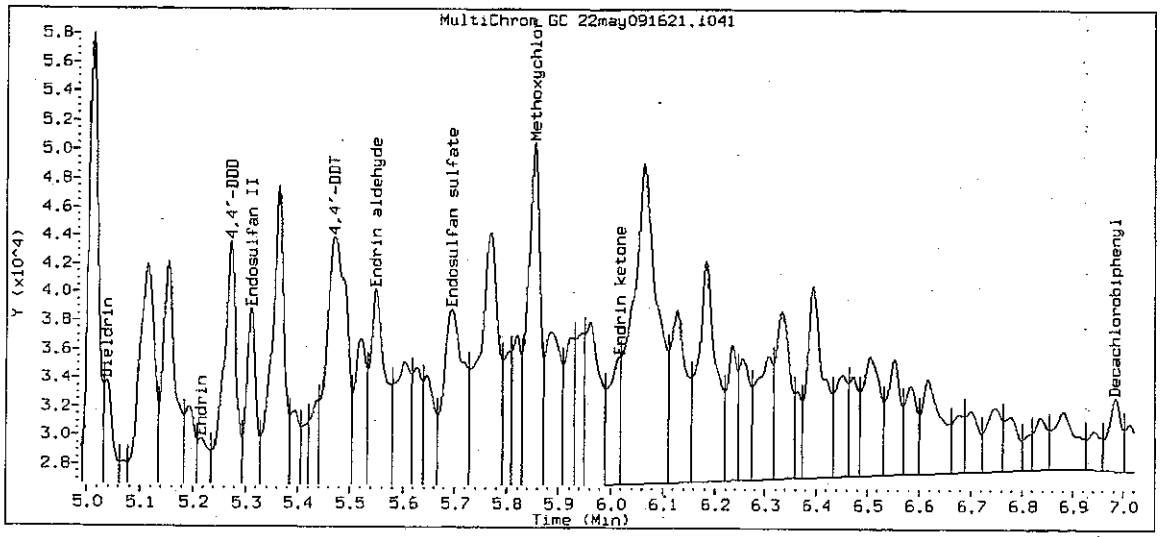
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 53494-70-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 6.0183 Height = 7389



Final Integration:

RT = 6.0183 Height = 8853

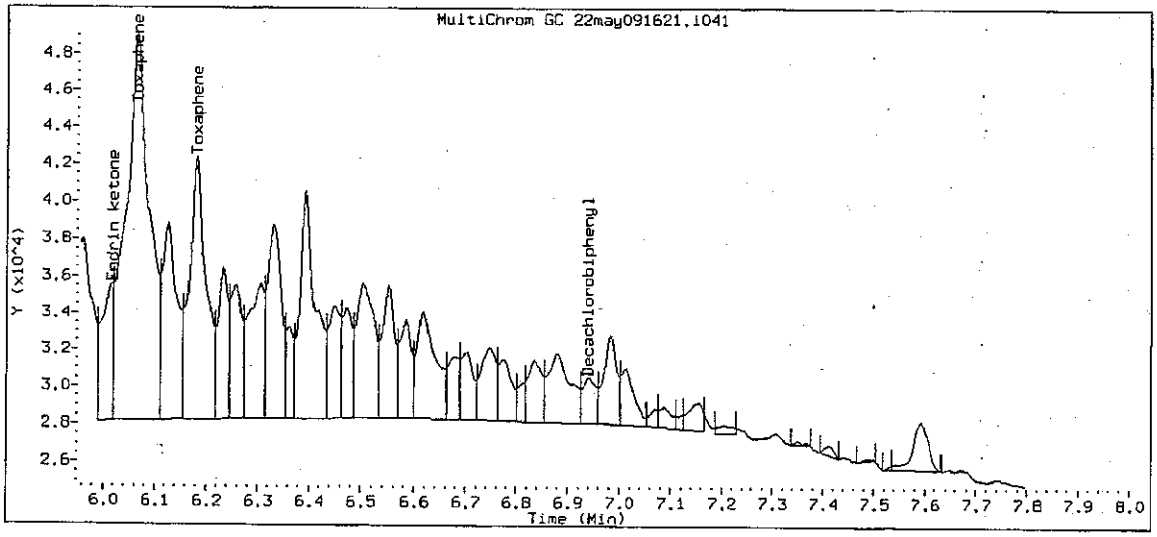
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 22may091621-r041.d
Client Sample ID: E2QQ2
Compound Name: Decachlorobiphenyl

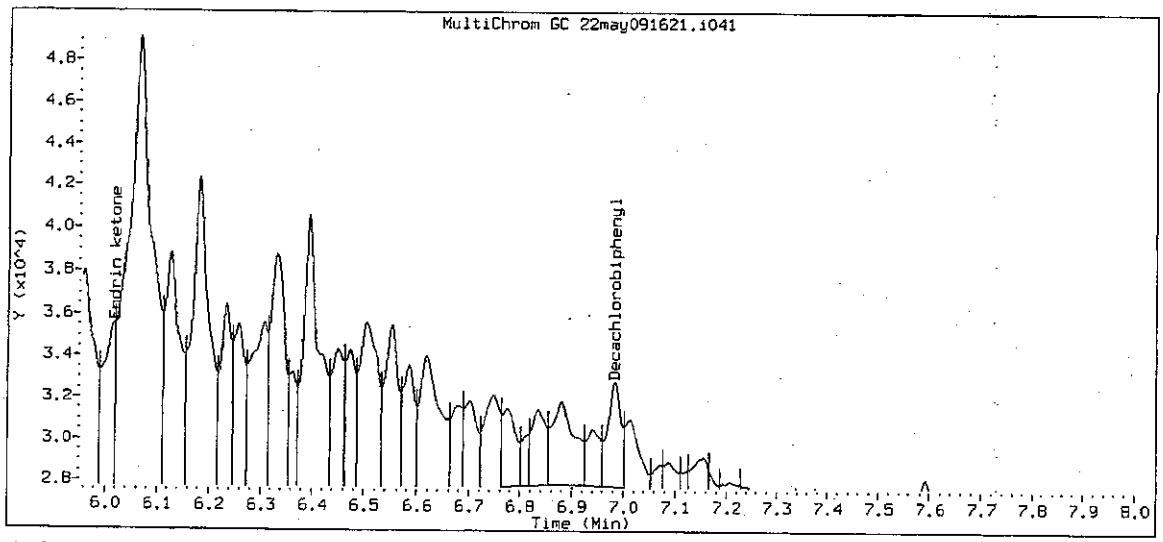
Inj. Date and Time: 23-MAY-2009 00:29
Instrument ID: 0825_2.i
CAS #: 2051-24-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:11



Original Integration:

RT = 6.9404 Height = 2435



Final Integration:

RT = 6.9825 Height = 5026

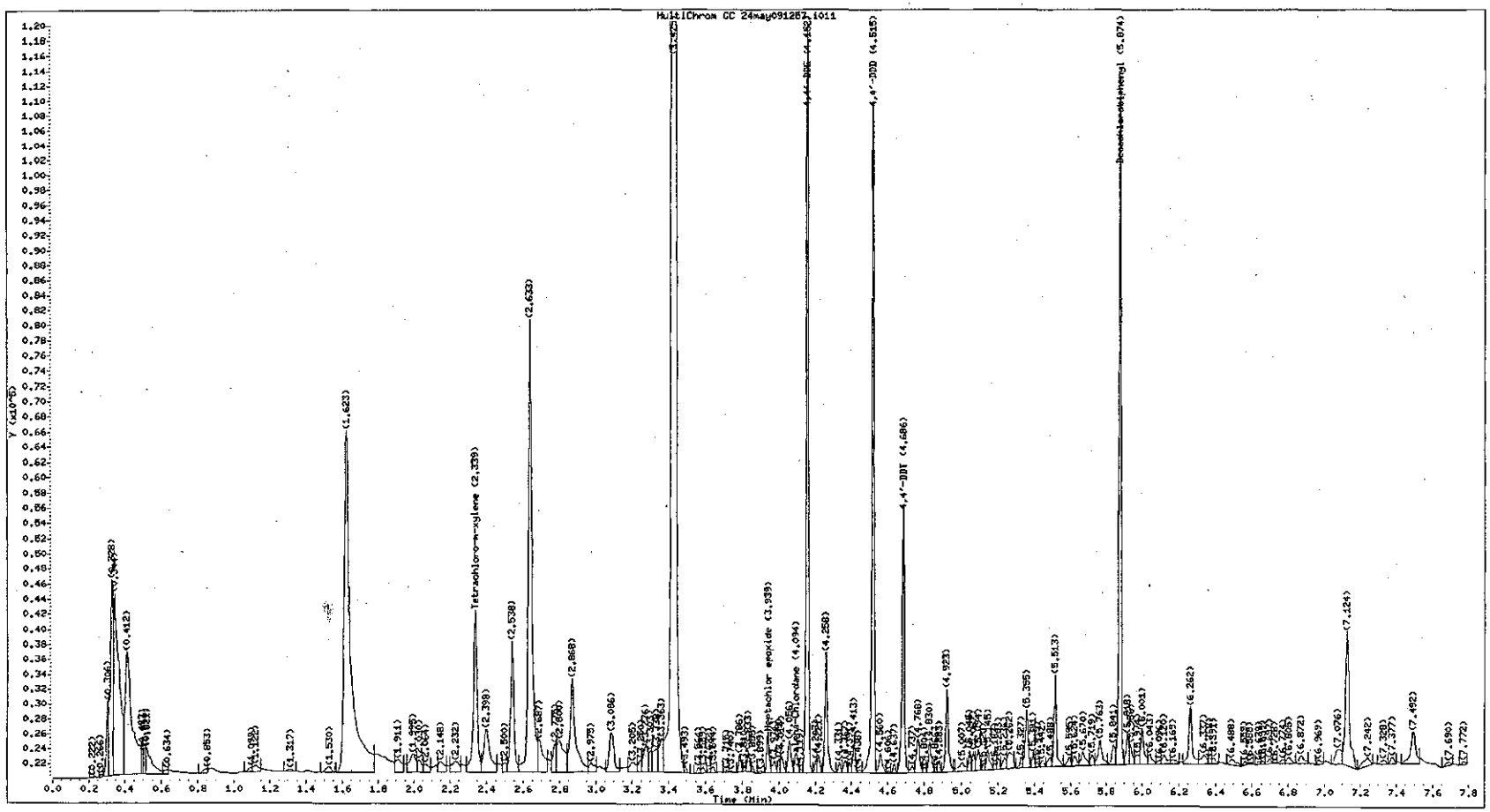
Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794703	Client Sample ID: E2QQ3

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 16:43
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all

Data File : 24may091257-r011.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:38 jb3



1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R011

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

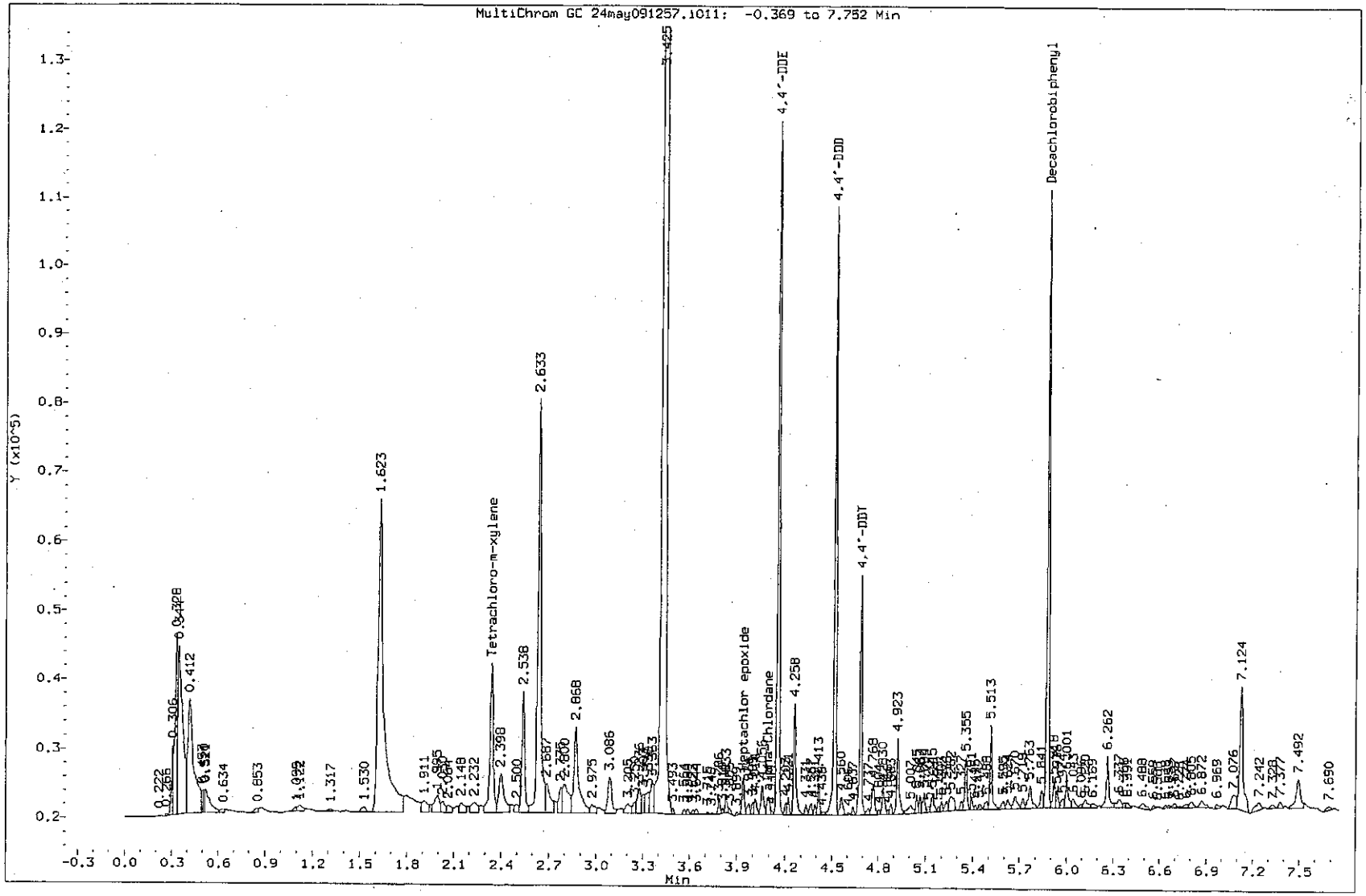
Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.5	P
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	15	U
72-55-9	4,4'-DDE	150	
72-20-8	Endrin	15	U
33213-65-9	Endosulfan II	15	U
72-54-8	4,4'-DDD	160	
1031-07-8	Endosulfan sulfate	15	U
50-29-3	4,4'-DDT	57	
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	15	U
7421-93-4	Endrin aldehyde	15	U
5103-71-9	alpha-Chlordane	4.2	JP
5103-74-2	gamma-Chlordane	8.0	U
8001-35-2	Toxaphene	800	U

SOM01.2

Data File: /var/chem/0825_1.i/052409_4/24MAY091257.b/24may091257-r011.d/24may091257.i011
Injection Date: 24-MAY-2009 16:43
Instrument: 0825_1.i
Client Sample ID: E2QQ3



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794703 Client Sample ID: E2QQ3

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r011.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:38 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 16:43
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.222			128	162			
	2	0.266			322	327			
	3	0.306			6898	10091			
	4	0.328			30268	26184			
	5	0.344			51944	24310			
	6	0.412			44241	16441			
	7	0.497			2566	3297			
	8	0.510			2217	3433			
	9	0.521			8046	3445			
	10	0.634			973	549			
	11	0.853			997	591			
	12	1.099			742	537			
	13	1.122			1751	789			
	14	1.317			563	245			
	15	1.530			1531	715			
	16	1.623			119887	45199			
	17	1.911			4555	1649			
	18	1.995			6100	2418			
	19	2.030			2808	1611			
	20	2.064			2128	1032			
	21	2.148			3254	1383			
	22	2.232			4141	1384			
$	23	2.339	2.347	-0.008	31554	21520	0.04967596	M	Tetrachloro-m-xylene
	24	2.398			13826	5685			
	25	2.500			1993	1204			
	26	2.538			23165	17411			
	27	2.633			85692	59738			
	28	2.687			9169	4208			
	29	2.775			5102	3676			
	30	2.800			12185	4181			
	31	2.868			26597	12414			
	32	2.975			2633	1198			
	33	3.086			9935	5197			
	34	3.205			3207	1232			
	35	3.250			2082	1604			
	36	3.276			6260	3620			
	37	3.303			3462	2774			
	38	3.338			5695	3022			
	39	3.363			7597	4470			
	40	3.425			974956	805771			
	41	3.493			766	851			
	42	3.564			804	782			
	43	3.589			839	786			
	44	3.622			538	588			
	45	3.644			852	769			
	46	3.715			216	289			
	47	3.740			176	179			
	48	3.786			2047	2313			
	49	3.810			594	762			
	50	3.833			2502	2675			
	51	3.855			688	788			
	52	3.899			392	357			
	53	3.939	3.944	-0.005	5139	5407	0.00543824	M	Heptachlor epoxide
	54	3.974			2056	1569			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	3.999			1542	1786			
	56	4.014			2622	2210			
	57	4.056			5199	4210			
	58	4.094	4.108	-0.013	3486	2520	0.00269224	aHM	alpha-Chlordane
	59	4.119			486	509		M	
	60	4.152	4.159	-0.007	86767	100535	0.09893291	M	4,4'-DDE
	61	4.203			1492	1728			
	62	4.221			2284	2414			
	63	4.258			16585	15970			
	64	4.331			1417	1426			
	65	4.367			1956	1605			
	66	4.391			1284	1450			
	67	4.413			3992	4610			
	68	4.438			580	377			
	69	4.515	4.524	-0.009	76026	88015	0.10039123	M	4,4'-DDD
	70	4.560			3614	2589			
	71	4.606			240	307			
	72	4.637			992	1167			
	73	4.686	4.693	-0.007	31941	34642	0.03668912	M	4,4'-DDT
	74	4.737			1246	949			
	75	4.768			5852	4456			
	76	4.804			866	689			
	77	4.830			4760	3919			
	78	4.866			551	685		M	
	79	4.883			1479	1508			
	80	4.923			11728	10974			
	81	5.007			2764	1125			
	82	5.045			2394	2740			
	83	5.067			2244	2523			
	84	5.094			3136	2711			
	85	5.120			887	857			
	86	5.145			3222	2623			
	87	5.183			760	784			
	88	5.203			1325	1453			
	89	5.236			1919	1469			
	90	5.262			4455	2135			
	91	5.327			1373	1374			
	92	5.355			7791	7574			
	93	5.391			1484	1816			
	94	5.415			569	677			
	95	5.442			979	793			
	96	5.488			1595	1191			
	97	5.513			11617	12088			
	98	5.595			1558	1121			
	99	5.624			1835	1318			
	100	5.670			3144	1791			
	101	5.719			1599	1440			
	102	5.763			5422	3237			
	103	5.841			3310	2622			
$	104	5.874	5.883	-0.009	75001	89374	0.08810366		Decachlorobiphenyl
	105	5.918			4222	3954			
	106	5.936			2649	2624			
	107	5.974			1886	1275			
	108	6.001			5813	4713			
	109	6.043			2102	1325			
	110	6.096			665	536			
	111	6.120			2262	1229			
	112	6.169			1206	576			
	113	6.262			9823	7499			
	114	6.337			2632	1202			
	115	6.368			790	716			
	116	6.391			1093	724			
	117	6.488			1852	704			
	118	6.559			527	490			
	119	6.588			220	148			
	120	6.639			382	386			
	121	6.659			471	427			
	122	6.697			969	634			
	123	6.728			205	198			
	124	6.774			946	508			
	125	6.805			1590	838			

Reported: 05/25/2009 16:38 jb3 24may091257-r011.d Page 2

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
126	6.872			2187	989			
127	6.969			883	549			
128	7.076			4370	1909			
129	7.124			27774	17617			
130	7.242			2815	1003			
131	7.328			925	508			
132	7.377			1273	874			
133	7.492			8734	4193			
134	7.690			890	420			
135	7.772			596	399			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

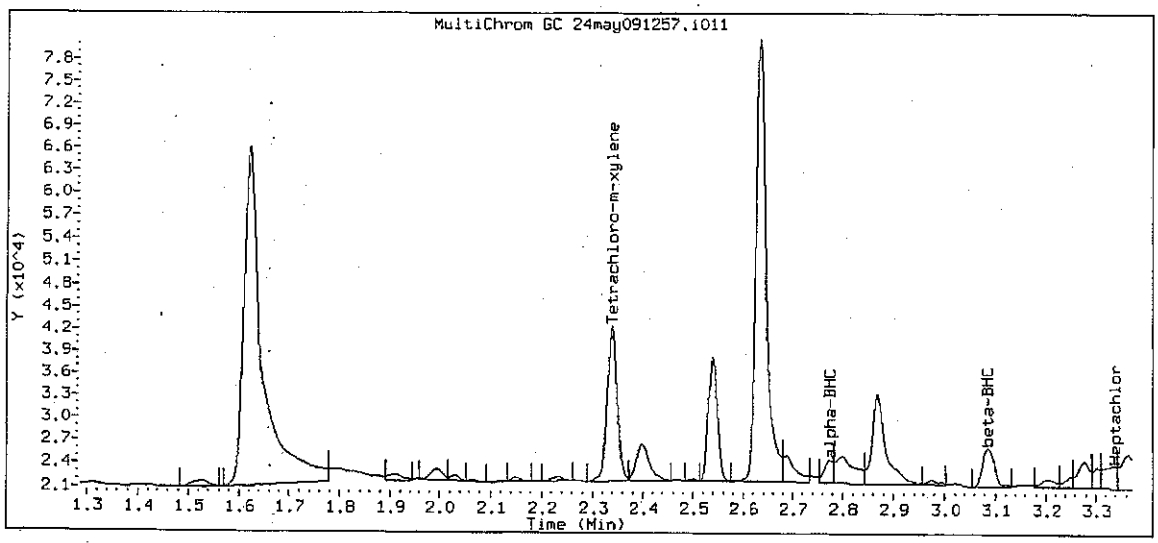
Peak RT	Expected RT	Target Compound
2.339	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
3.939	3.944	Heptachlor epoxide
	4.024	gamma-Chlordane
4.094	4.108	alpha-Chlordane
4.152	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
4.515	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
4.686	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate
	5.290	Endrin ketone
5.874	5.883	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: Tetrachloro-m-xylene

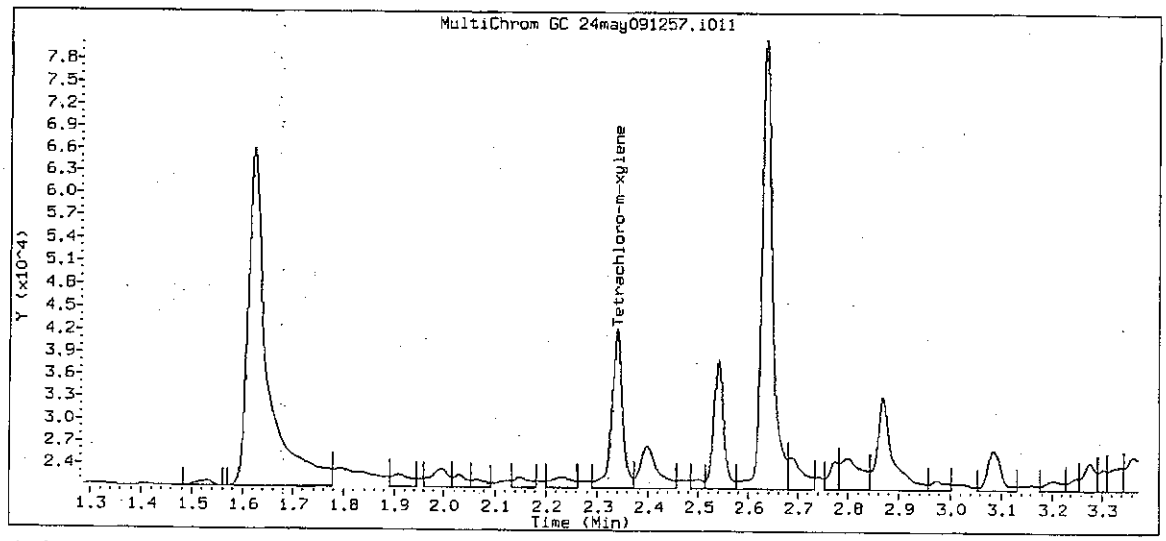
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 877-09-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 2.3386 Height = 20610



Final Integration:

RT = 2.3386 Height = 21520

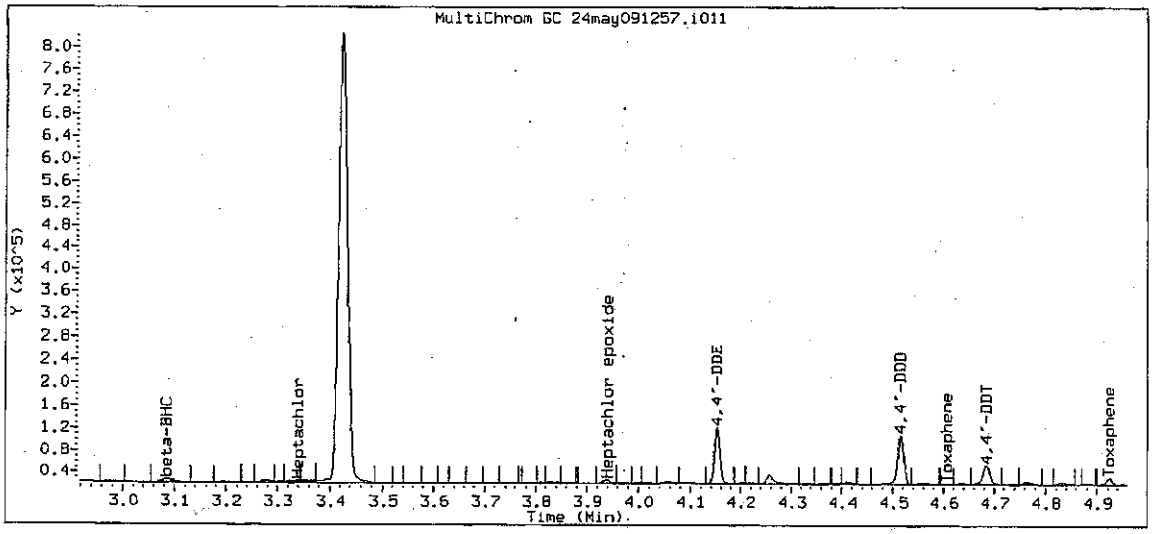
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: Heptachlor epoxide

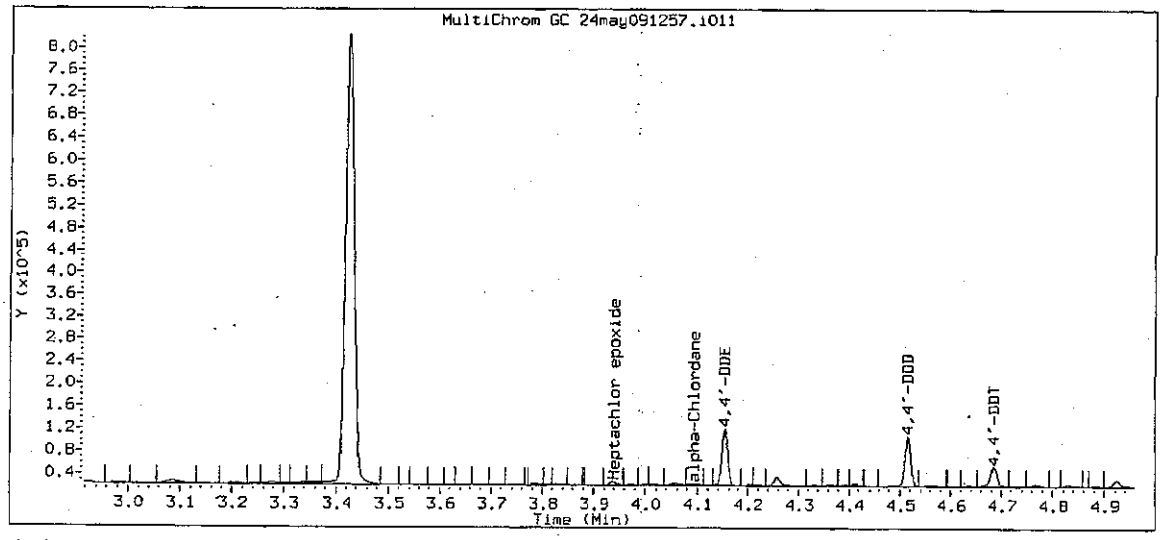
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 3.9390 Height = 5253



Final Integration:

RT = 3.9390 Height = 5407

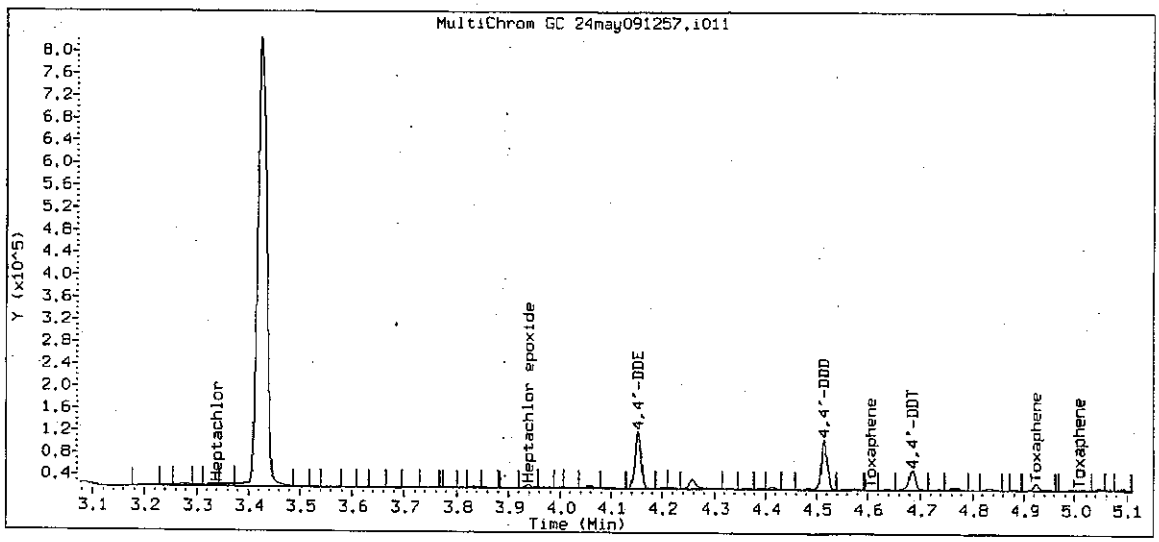
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: alpha-Chlordane

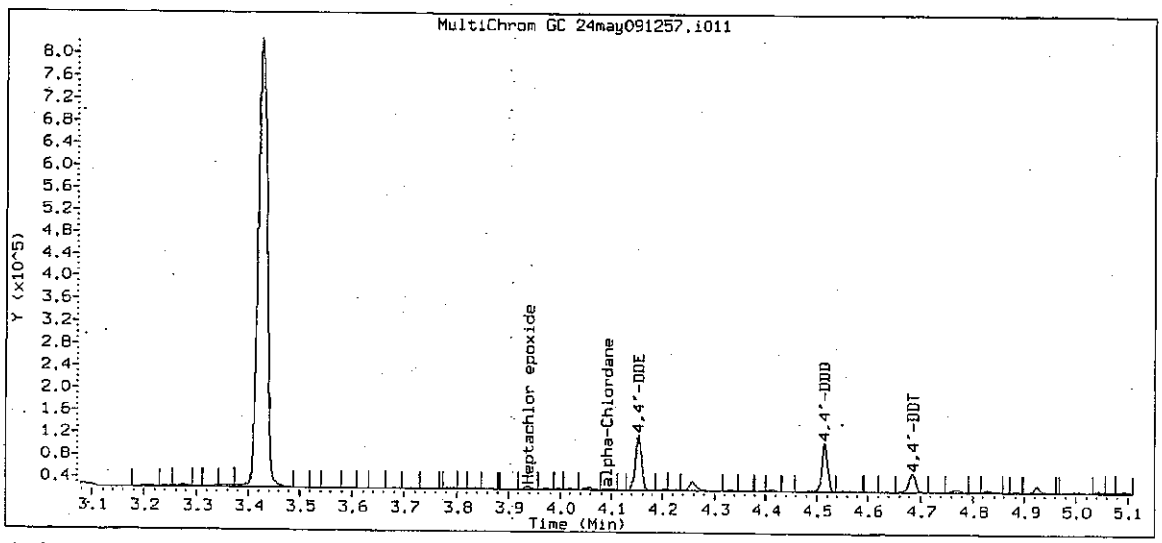
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

RT = 4.0942 Height = 2520

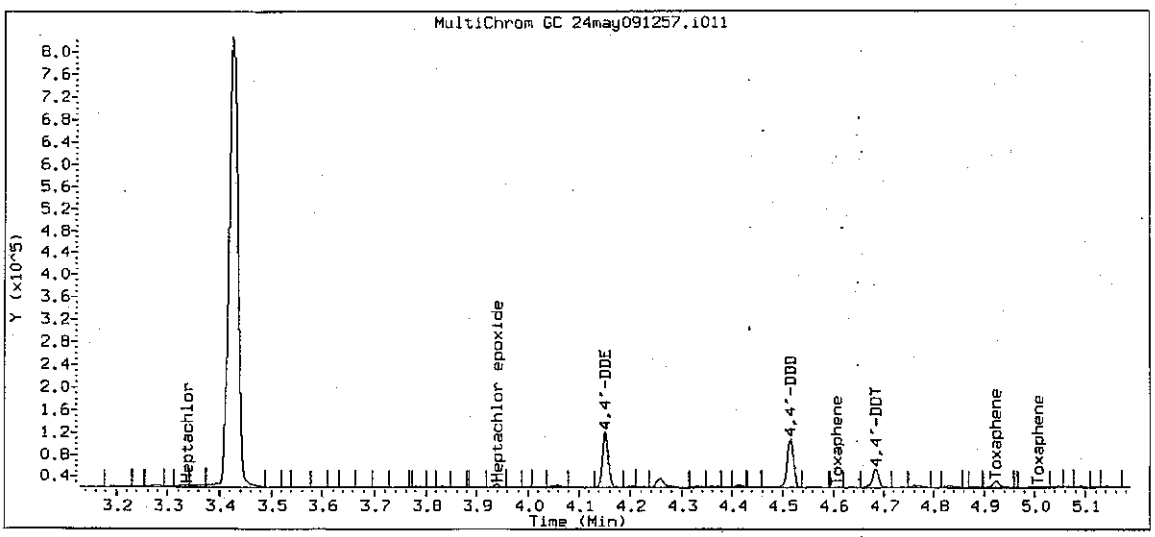
Manual Integration Reason: Unknown

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDE

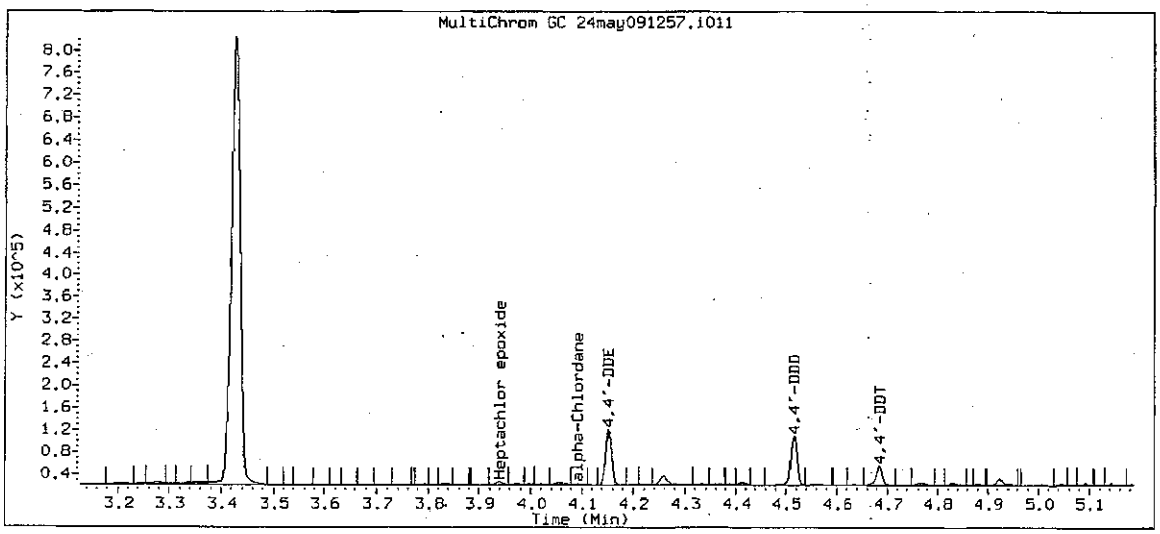
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 4.1518 Height = 100361



Final Integration:

RT = 4.1518 Height = 100535

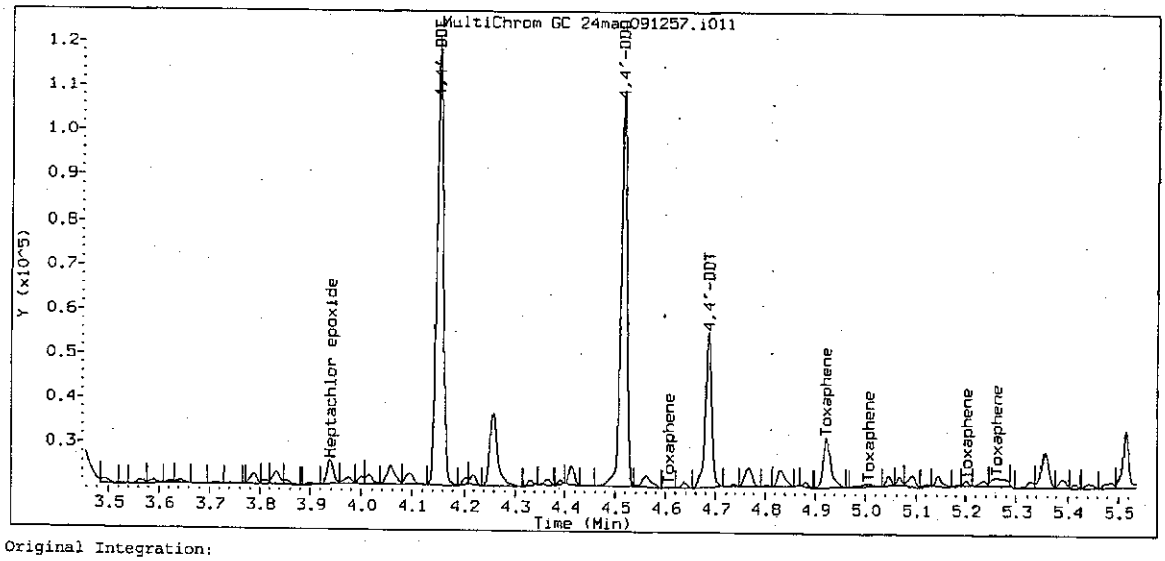
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDD

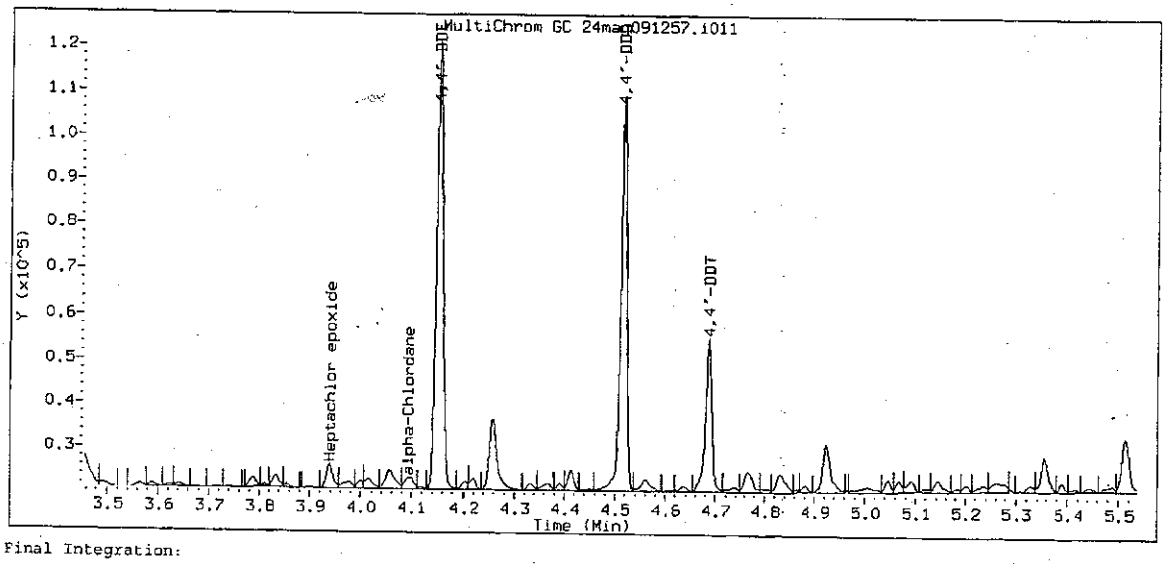
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 4.5153 Height = 87669



Final Integration:

RT = 4.5153 Height = 88015

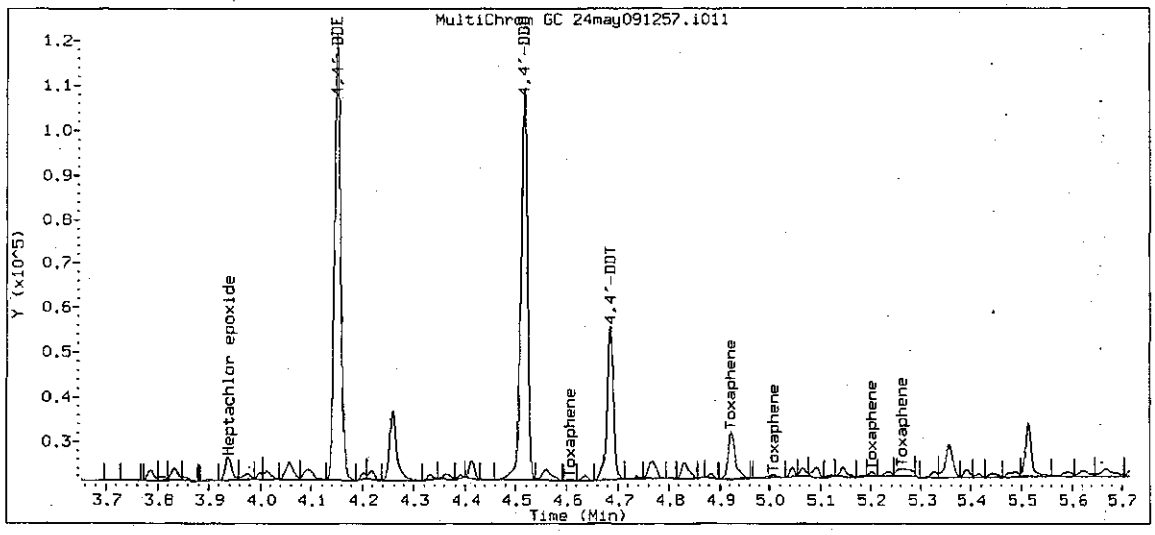
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDT

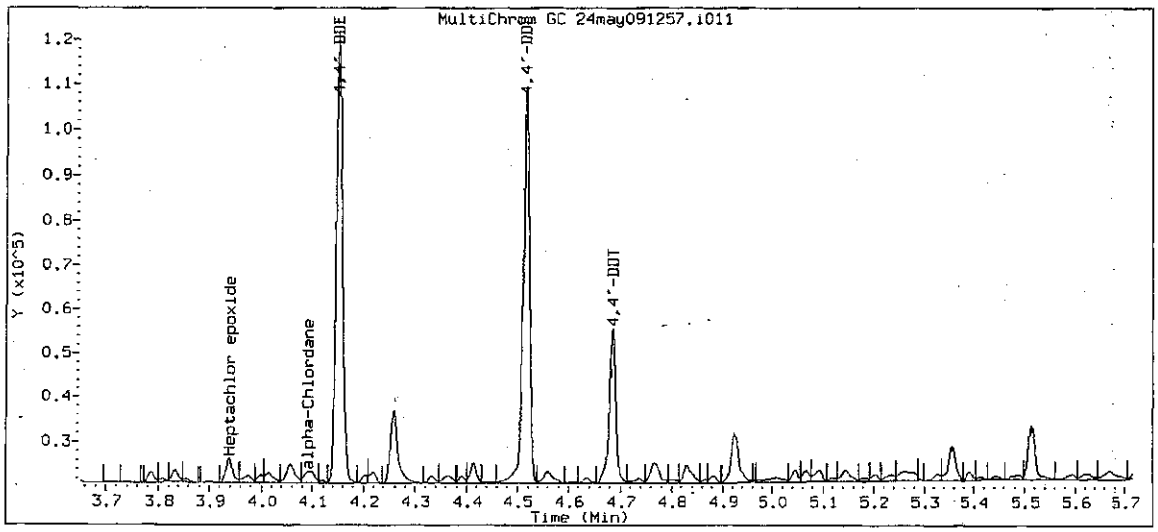
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_1.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 4.6860 Height = 34388



Final Integration:

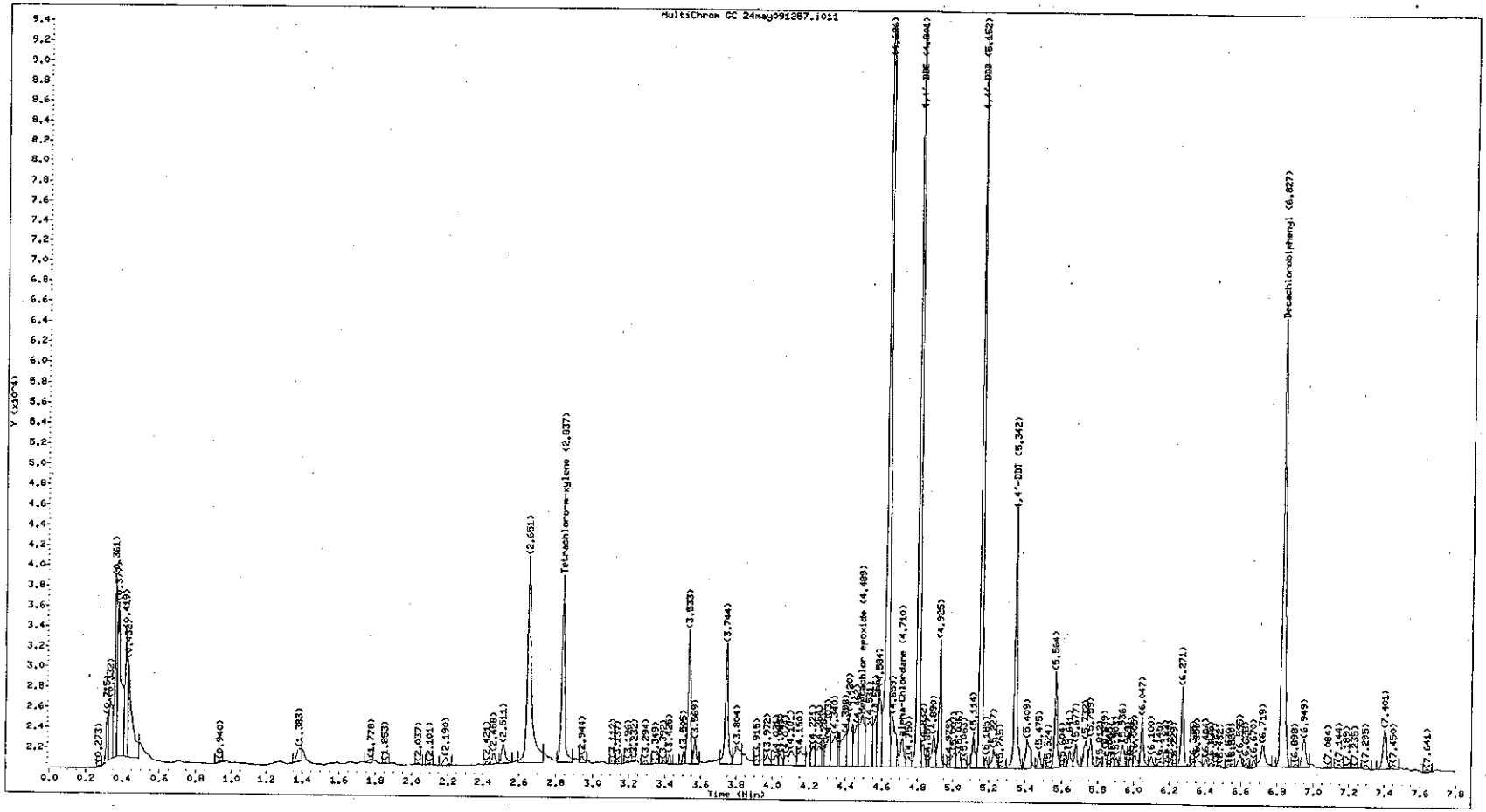
RT = 4.6860 Height = 34642

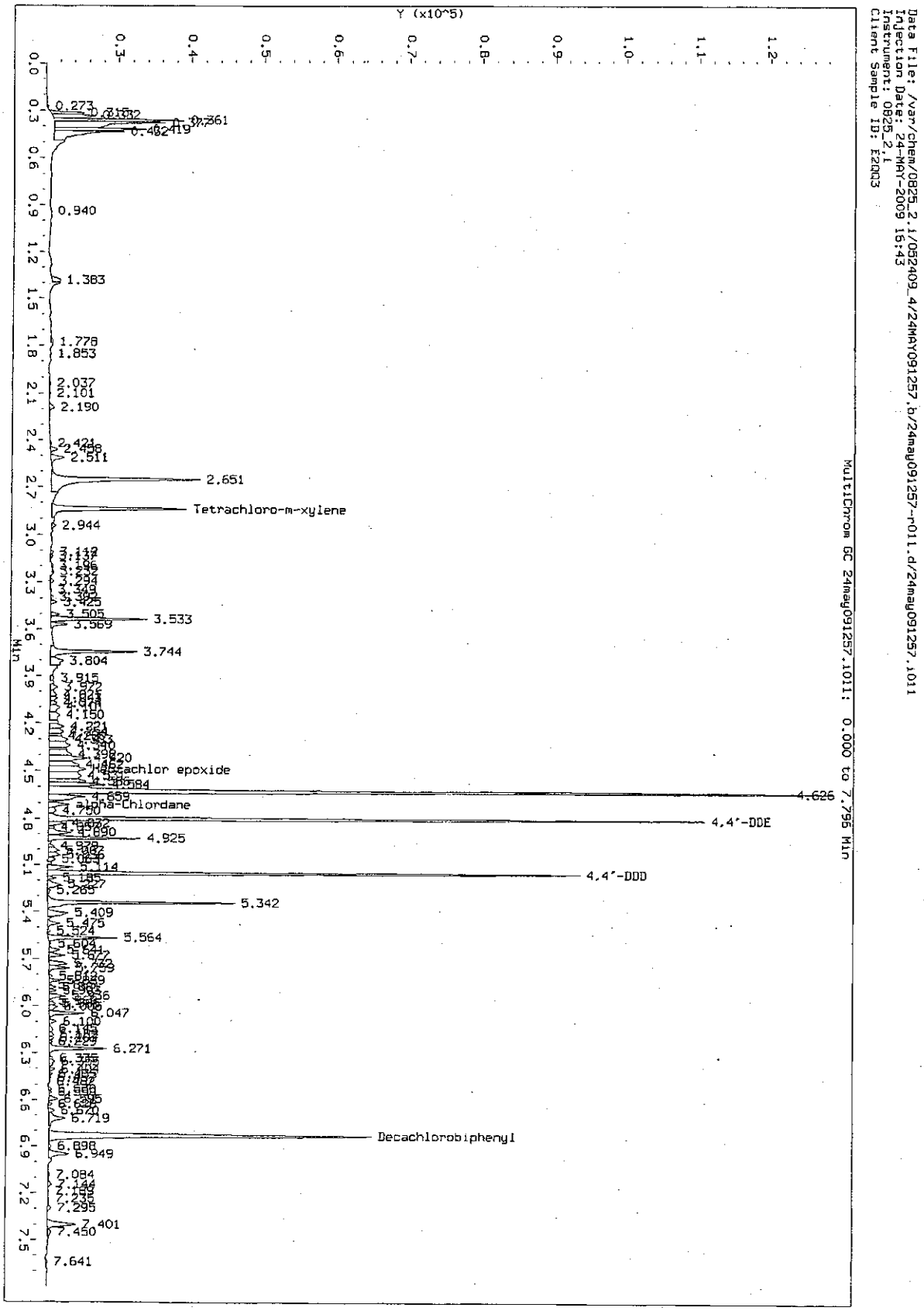
Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794703	Client Sample ID: E2QQ3

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 16:43
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r011.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:09 jb3		




Data File: /var/chem/0825_2.i/052409_4/24MAY091257.b/24may091257-r011.d/24may091257.i011
Injection Date: 24-MAY-2009 16:43
Instrument: 0825_2.i
Client Sample ID: E2QQ3
MultiChrom GC 24may091257.i011: 0.000 to 7.796 Min
Y (x10^5)
Min
Tetrachloro-m-xylene
Decachlorobiphenyl
alpha-Chlordane
4,4'-DDE
4,4'-DDD
Decachlor epoxide

TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794703 Client Sample ID: E2QQ3

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r011.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:09 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 16:43
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.273			115	245			
	2	0.315			4007	4537			
	3	0.332			7276	5970			
	4	0.361			15122	17824			
	5	0.377			20494	15234			
	6	0.419			11522	12570			
	7	0.432			13949	9576			
	8	0.940			195	118			
	9	1.383			1988	1195			
	10	1.778			501	311			
	11	1.853			154	133			
	12	2.037			223	159			
	13	2.101			220	158			
	14	2.190			1180	713			
	15	2.421			268	242			
	16	2.458			1295	1005			
	17	2.511			2830	1830			
	18	2.651			32694	20245			
$	19	2.837	2.847	-0.010	21553	18459	0.04903798		Tetrachloro-m-xylene
	20	2.944			752	577			
	21	3.112			405	425			
	22	3.137			336	275			
	23	3.196			313	199			
	24	3.232			152	194			
	25	3.294			549	420			
	26	3.349			157	143			
	27	3.392			382	351			
	28	3.425			837	871			
	29	3.505			1134	1242			
	30	3.533			12722	13140			
	31	3.569			2445	2266			
	32	3.744			13545	11806			
	33	3.804			4185	1768			
	34	3.915			819	516			
	35	3.972			1670	1050			
	36	4.021			1628	976			
	37	4.043			1451	1040			
	38	4.074			1261	946			
	39	4.101			3033	1391			
	40	4.150			3503	1369			
	41	4.221			2873	1940			
	42	4.254			3679	1900			
	43	4.280			1493	1646			
	44	4.303			4242	2525			
	45	4.340			6502	2903			
	46	4.398			6437	3021			
	47	4.420			8673	5148			
	48	4.462			6728	4067			
	49	4.489	4.509	-0.021	10348	5005	0.00673263	M	Heptachlor epoxide
	50	4.531			10899	4368			
	51	4.566			6617	5024			
	52	4.584			10280	7650			
	53	4.626			103069	107791			
	54	4.659			7933	4965			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.710	4.720	-0.009	3814	2825	0.00386452	aHM	alpha-Chlordane
56	4.750			1868	1010			
57	4.801	4.810	-0.009	73732	89964	0.11740203	M	4,4'-DDE
58	4.832			2626	2298			
59	4.857			850	816			
60	4.890			4282	3105			
61	4.925			11333	12542			
62	4.979			763	780			
63	5.007			2328	1547			
64	5.036			2276	1631			
65	5.063			1415	956			
66	5.114			3832	3492			
67	5.152	5.161	-0.009	56913	72757	0.11374035	M	4,4'-DDD
68	5.185			974	1130			
69	5.227			3028	1842			
70	5.265			505	346			
71	5.342	5.355	-0.013	23616	25418	0.03859604	M	4,4'-DDT
72	5.409			4494	2784			
73	5.475			1754	1668			
74	5.524			313	341			
75	5.564			8842	9390			
76	5.604			203	314			
77	5.641			1721	1547			
78	5.677			2233	2212			
79	5.732			3104	2552			
80	5.759			2888	2749			
81	5.812			440	509			
82	5.839			1263	1489			
83	5.865			209	302			
84	5.881			780	933			
85	5.903			818	947			
86	5.936			2529	2154			
87	5.969			270	428			
88	5.985			778	839			
89	6.005			1524	1076			
90	6.047			4753	4760			
91	6.100			1046	926			
92	6.145			814	411			
93	6.182			723	564			
94	6.207			595	541			
95	6.229			303	336			
96	6.271			8496	7781			
97	6.335			452	480			
98	6.355			1284	710			
99	6.404			827	739			
100	6.435			367	387			
101	6.457			200	237			
102	6.482			209	200			
103	6.530			332	337			
104	6.550			269	296			
105	6.595			1414	1163			
106	6.628			461	475			
107	6.670			845	746			
108	6.719			4032	2135			
$ 109	6.827	6.839	-0.012	53401	43893	0.09300424		Decachlorobiphenyl
110	6.898			439	311			
111	6.949			3941	2669			
112	7.084			307	184			
113	7.144			671	436			
114	7.189			153	144			
115	7.235			160	136			
116	7.295			681	421			
117	7.401			5849	3788			
118	7.450			918	443			
119	7.641			413	287			

TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

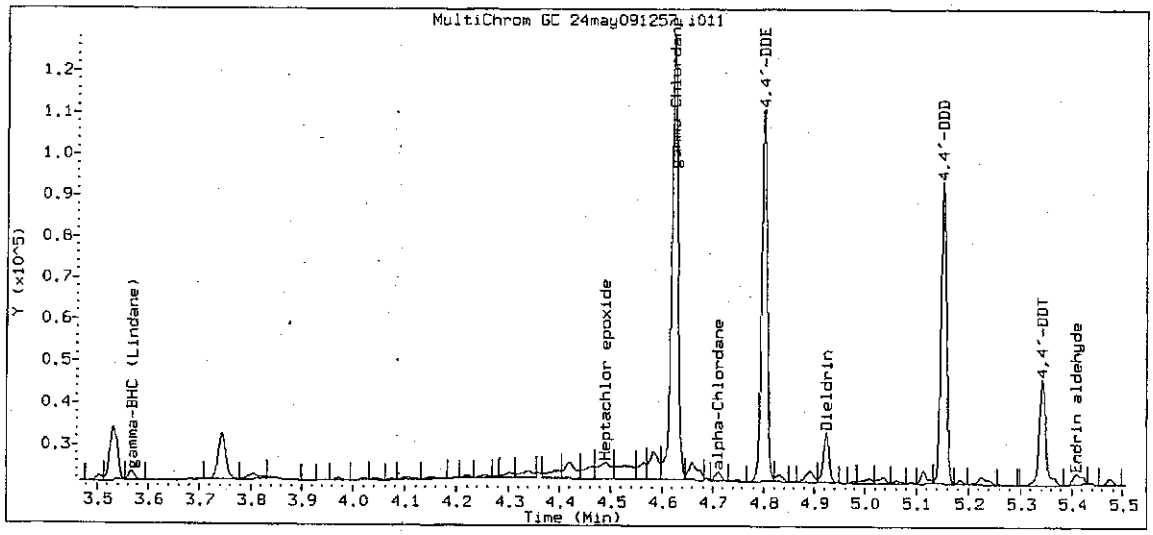
Peak RT	Expected RT	Target Compound
2.837	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
4.489	4.509	Heptachlor epoxide
	4.629	gamma-Chlordane
4.710	4.720	alpha-Chlordane
	4.760	Endosulfan I
4.801	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
5.152	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
5.342	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.827	6.839	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: Heptachlor epoxide

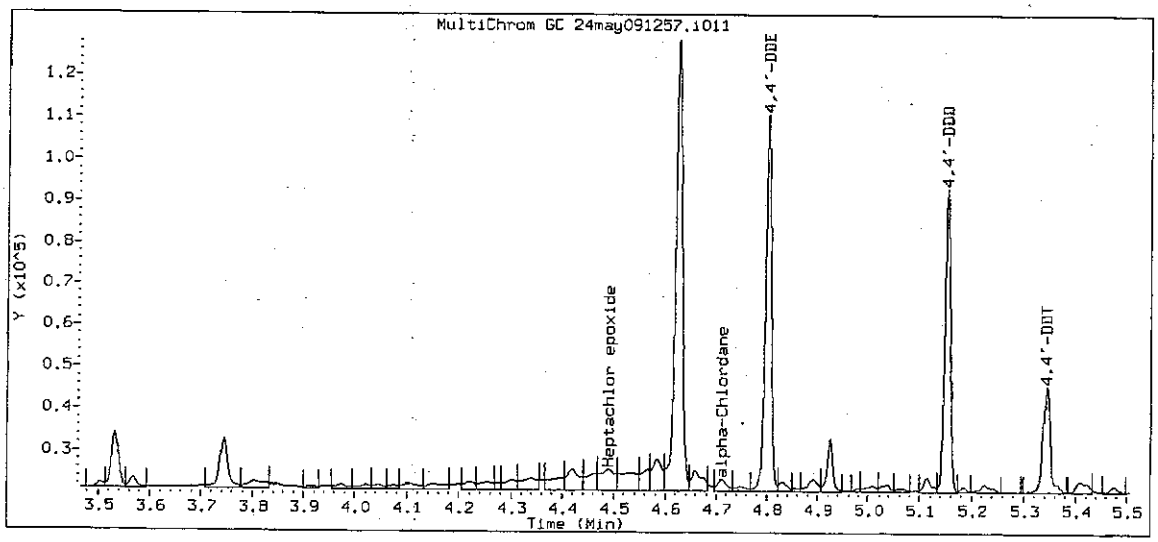
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_2.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:09



Original Integration:

RT = 4.4887 Height = 3892



Final Integration:

RT = 4.4887 Height = 5005

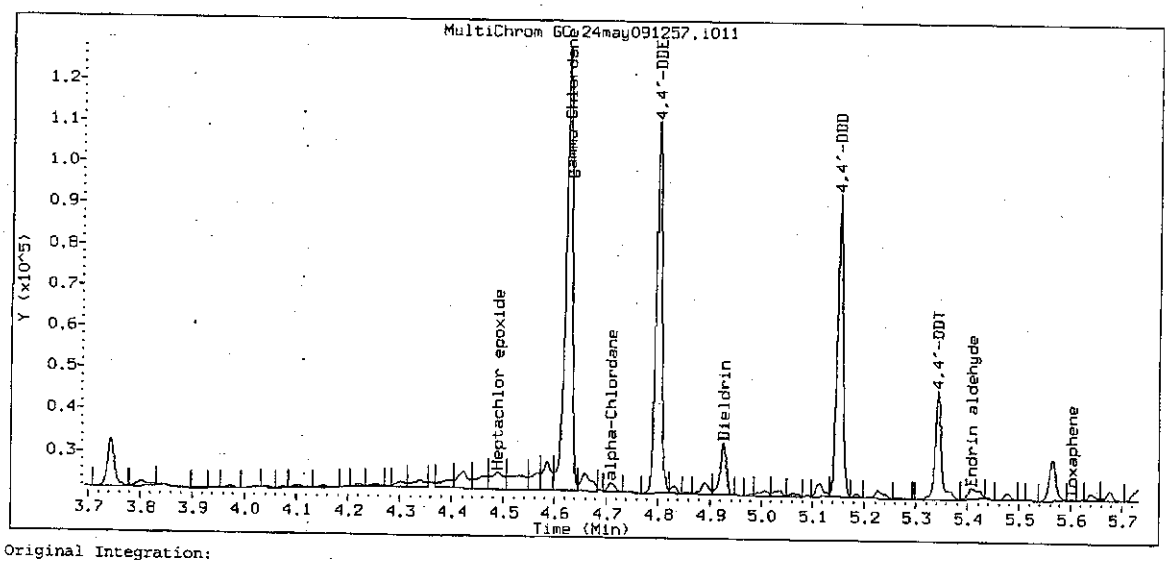
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: alpha-Chlordane

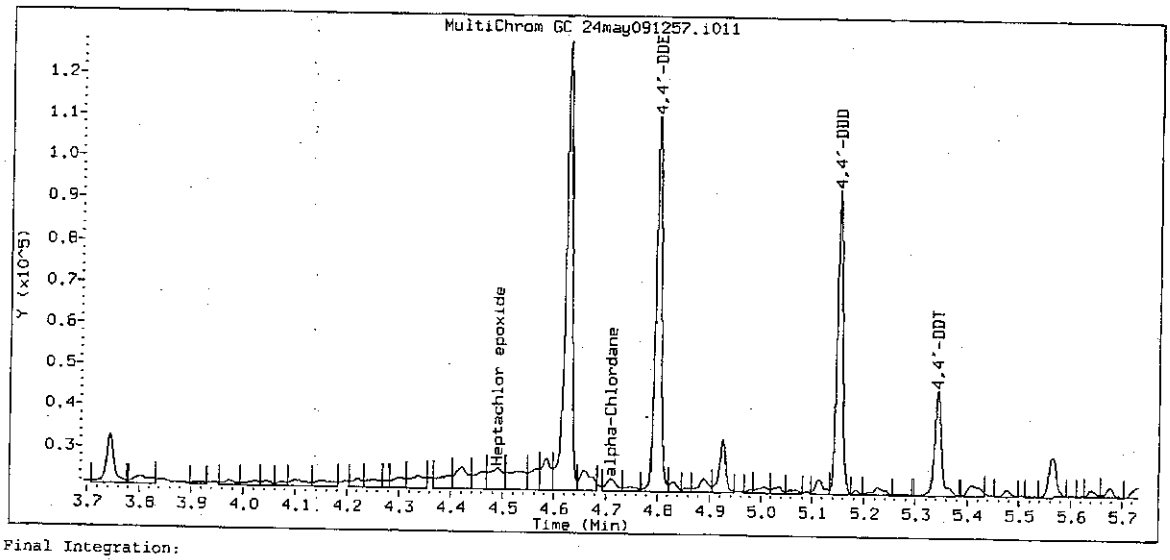
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_2.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:09



Original Integration:

RT = 4.7104 Height = 2009



Final Integration:

RT = 4.7104 Height = 2825

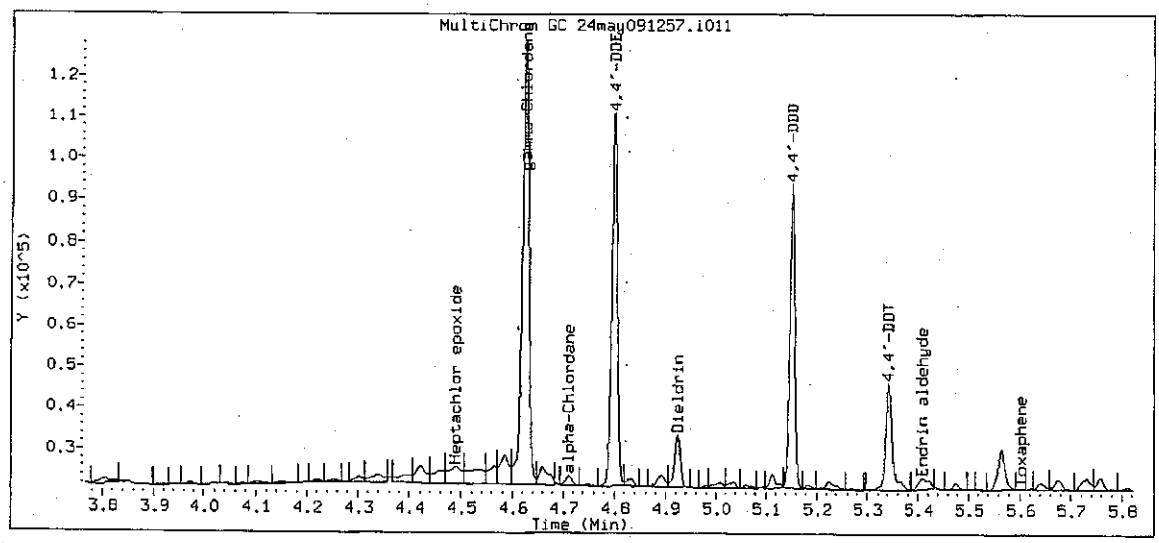
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDE

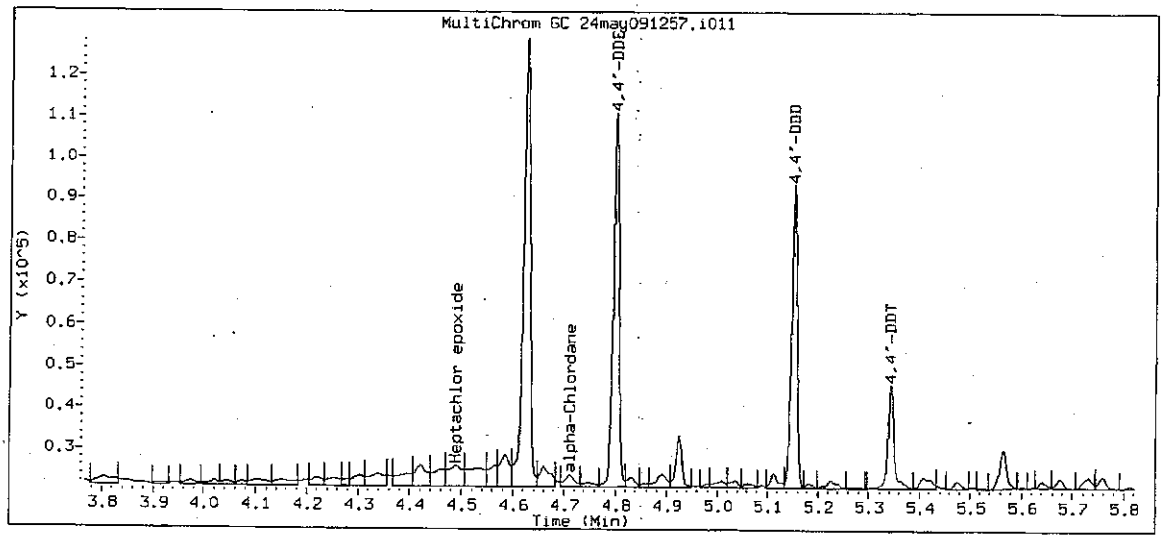
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_2.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:09



Original Integration:

RT = 4.8013 Height = 89301



Final Integration:

RT = 4.8013 Height = 89964

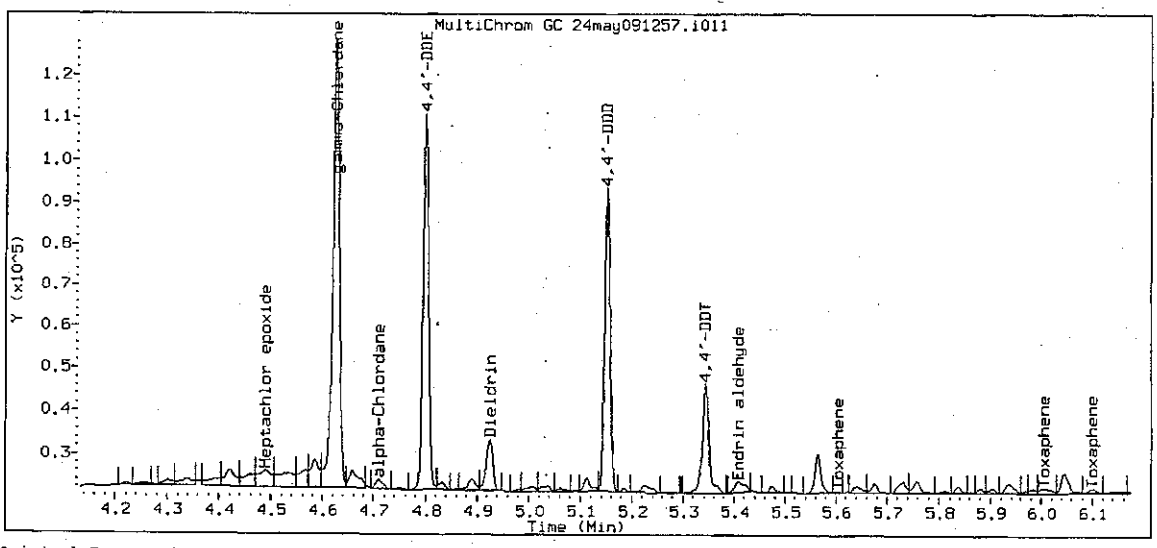
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDD

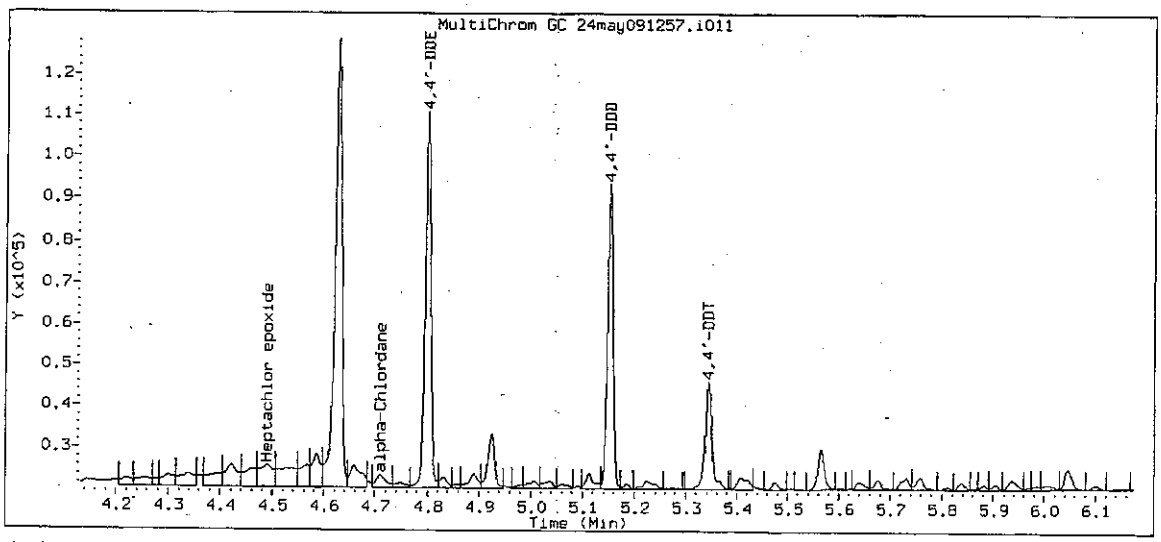
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_2.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:09



Original Integration:

RT = 5.1515 Height = 72332



Final Integration:

RT = 5.1515 Height = 72757

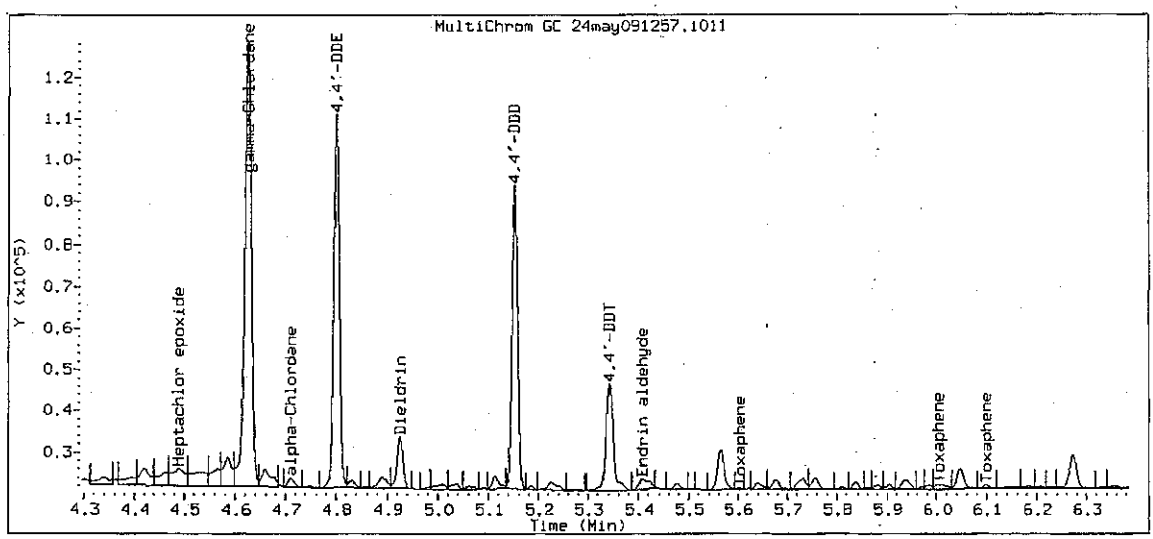
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r011.d
Client Sample ID: E2QQ3
Compound Name: 4,4'-DDT

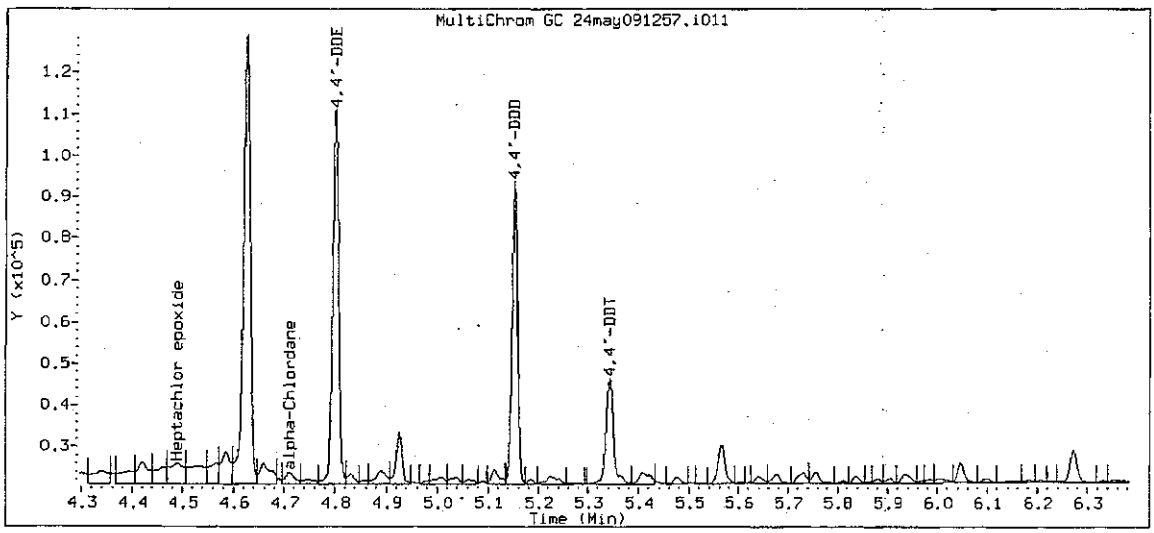
Inj. Date and Time: 24-MAY-2009 16:43
Instrument ID: 0825_2.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:09



Original Integration:

RT = 5.3422 Height = 25340



Final Integration:

RT = 5.3422 Height = 25418

Manual Integration Reason: MI1 - Poor automated baseline

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 24MAY091257-R031

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

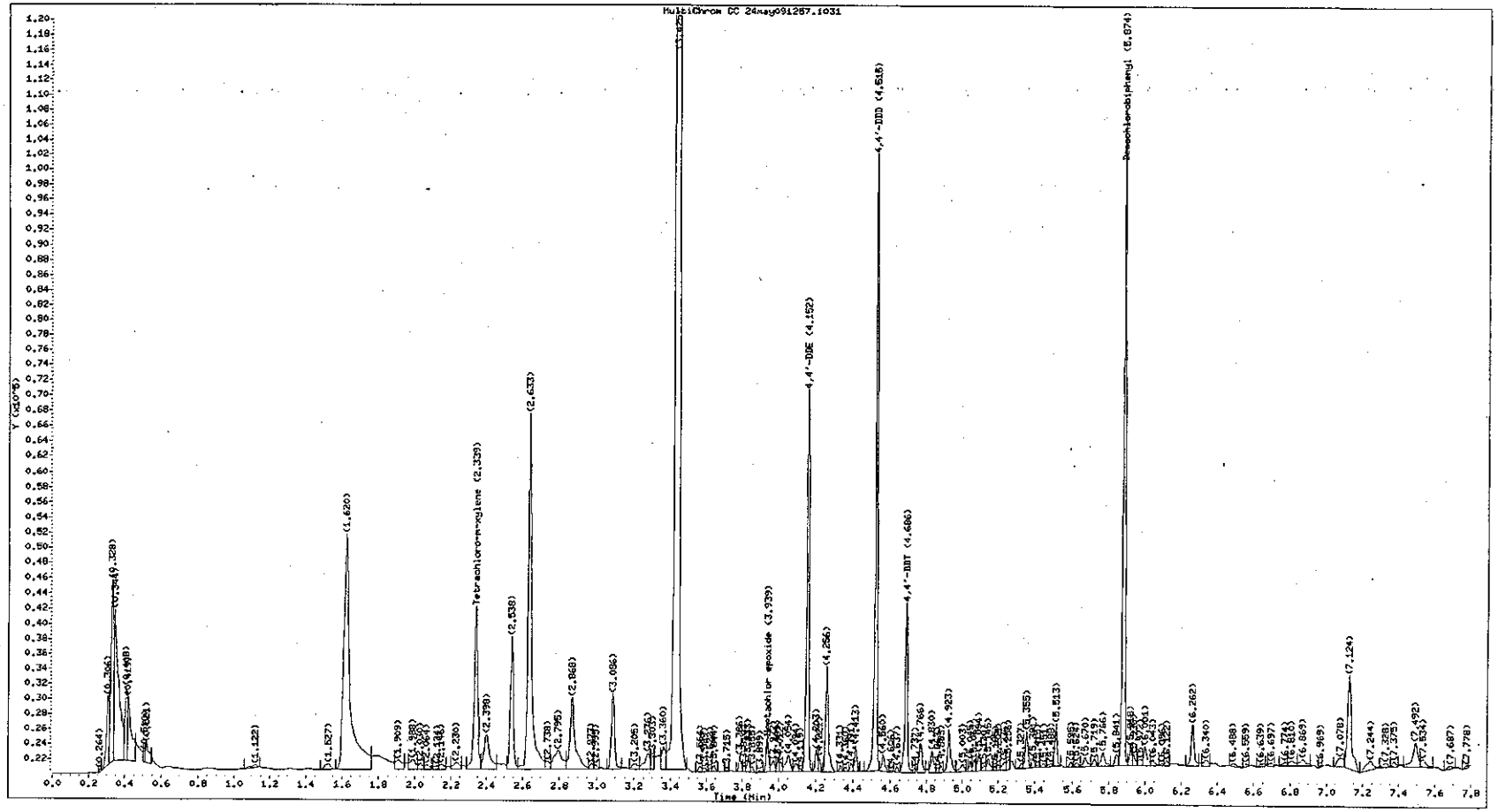
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	5.5	U
319-85-7	beta-BHC	5.5	U
319-86-8	delta-BHC	5.5	U
58-89-9	gamma-BHC (Lindane)	5.5	U
76-44-8	Heptachlor	5.5	U
309-00-2	Aldrin	5.5	U
1024-57-3	Heptachlor epoxide	3.4	JP
959-98-8	Endosulfan I	5.5	U
60-57-1	Dieldrin	11	U
72-55-9	4,4'-DDE	53	
72-20-8	Endrin	11	U
33213-65-9	Endosulfan II	11	U
72-54-8	4,4'-DDD	100	
1031-07-8	Endosulfan sulfate	11	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	55	U
53494-70-5	Endrin ketone	11	U
7421-93-4	Endrin aldehyde	11	U
5103-71-9	alpha-Chlordane	5.5	U
5103-74-2	gamma-Chlordane	5.5	U
8001-35-2	Toxaphene	550	U

SOM01.2

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794704	Client Sample ID: E2QQ4

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:06
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r031.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:38 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794704 Client Sample ID: E2QQ4

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r031.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009:m
Reported : 25-May-2009 16:38 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 17:06
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.264			179	394			
	2	0.306			9405	9226			
	3	0.328			25191	24147			
	4	0.344			35091	20099			
	5	0.408			8356	9770			
	6	0.419			12095	8427			
	7	0.510			981	1527			
	8	0.521			3716	2670			
	9	1.122			941	333			
	10	1.527			1678	732			
	11	1.620			79229	31068			
	12	1.909			3175	1166			
	13	1.988			2968	1264			
	14	2.030			1307	799			
	15	2.064			1128	574			
	16	2.124			757	462			
	17	2.146			1293	635			
	18	2.230			2240	860			
$	19	2.339	2.347	-0.008	29597	21617	0.04989987	M	Tetrachloro-m-xylene
	20	2.398			10730	4577			
	21	2.538			21641	17625			
	22	2.633			67386	46870			
	23	2.738			1856	1052			
	24	2.795			8087	2458			
	25	2.868			18532	9421			
	26	2.973			915	743			
	27	2.995			681	554			
	28	3.086			11951	9936			
	29	3.205			1564	685			
	30	3.276			4371	2107			
	31	3.303			2038	1643			
	32	3.360			4629	2906			
	33	3.425			814466	699167			
	34	3.564			797	766			
	35	3.589			718	513			
	36	3.622			470	512			
	37	3.644			837	751			
	38	3.715			132	189			
	39	3.786			1946	2089			
	40	3.810			691	839			
	41	3.833			1665	1641			
	42	3.855			747	779			
	43	3.899			234	203			
	44	3.939	3.944	-0.005	4329	4658	0.00468491	a	Heptachlor epoxide
	45	3.972			1911	1437			
	46	3.999			1420	1560		M	
	47	4.012			1285	1272		M	
	48	4.054			3850	2160			
	49	4.094			1425	1056			
	50	4.119			328	419			
	51	4.152	4.159	-0.007	42721	50175	0.04937543		4,4'-DDE
	52	4.203			2578	2882			
	53	4.221			1379	1868			
	54	4.256			14285	13859			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.331			696	842			
56	4.360			584	627			
57	4.391			874	1076			
58	4.413			2713	3362			
59	4.515	4.524	-0.009	67174	81203	0.09262136		4,4'-DDD
60	4.560			2444	2123			
61	4.606			206	269			
62	4.637			695	741			
63	4.686	4.693	-0.007	20883	22405	0.02372899	M	4,4'-DDT
64	4.737			484	672			
65	4.766			4782	3831			
66	4.830			3392	2850			
67	4.863			644	675			
68	4.883			896	920			
69	4.923			6881	5679			
70	5.003			1810	973			
71	5.045			1351	1465			
72	5.067			1421	1621			
73	5.094			2439	2361			
74	5.120			768	647			
75	5.145			1976	1549			
76	5.185			450	469			
77	5.203			797	811			
78	5.236			1410	1045			
79	5.256			1637	1256			
80	5.327			694	668			
81	5.355			4756	4797			
82	5.391			990	1291			
83	5.415			205	289			
84	5.451			577	495			
85	5.488			532	425			
86	5.513			4815	5595			
87	5.595			629	560			
88	5.624			700	523			
89	5.670			1634	1103			
90	5.719			1030	895			
91	5.766			2726	1727			
92	5.841			1899	1518			
$ 93	5.874	5.883	-0.009	72324	86611	0.08537993		Decachlorobiphenyl
94	5.918			2527	2474			
95	5.936			1543	1429			
96	5.972			1284	855			
97	6.001			3244	2566			
98	6.043			1145	807			
99	6.096			337	296			
100	6.122			820	662			
101	6.262			6538	5429			
102	6.340			1418	739			
103	6.488			853	353			
104	6.559			369	361			
105	6.639			610	330			
106	6.697			625	383			
107	6.774			808	468			
108	6.810			1483	606			
109	6.869			2236	834			
110	6.969			164	181			
111	7.078			2613	1090			
112	7.124			19093	12130			
113	7.244			3188	1051			
114	7.328			917	457			
115	7.375			834	573			
116	7.492			6351	3077			
117	7.534			1904	918			
118	7.687			717	347			
119	7.778			422	307			

TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

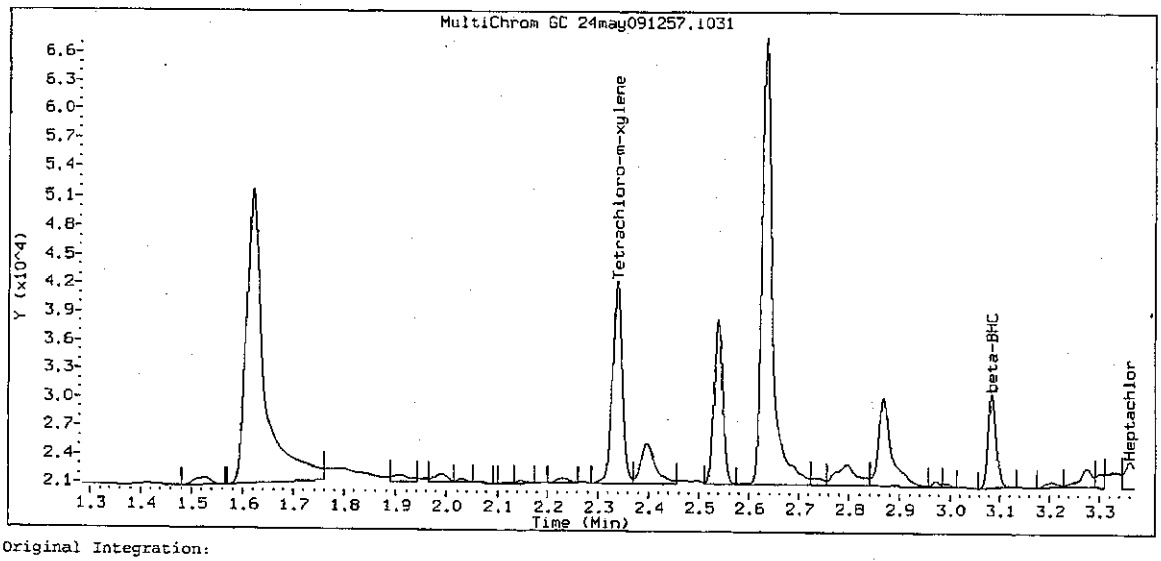
Peak RT	Expected RT	Target Compound
2.339	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
3.939	3.944	Heptachlor epoxide
	4.024	gamma-Chlordane
	4.108	alpha-Chlordane
4.152	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
4.515	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
4.686	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate
	5.290	Endrin ketone
5.874	5.883	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r031.d
Client Sample ID: E2QQ4
Compound Name: Tetrachloro-m-xylene

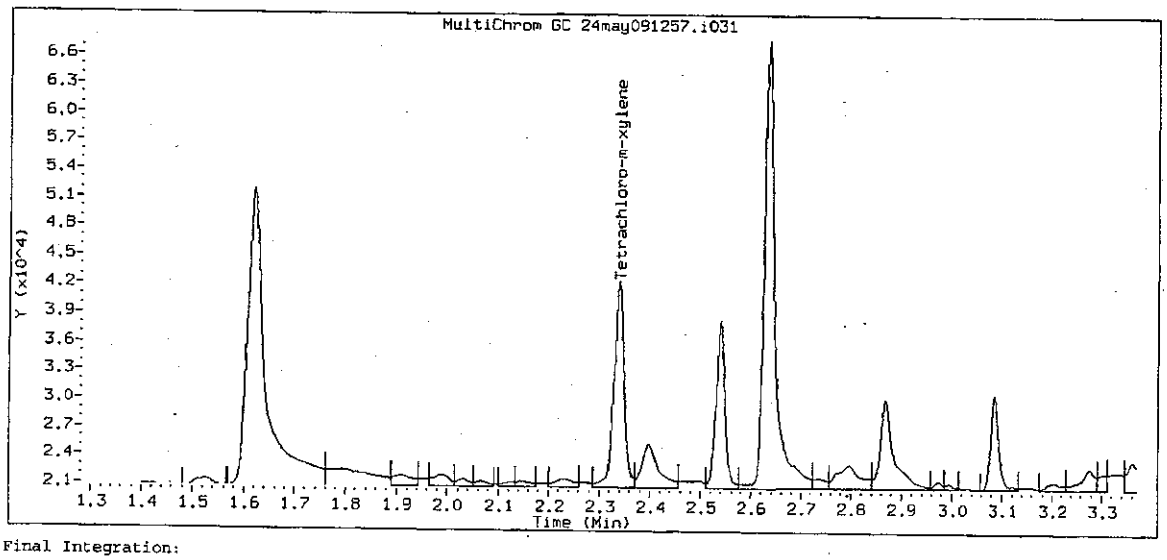
Inj. Date and Time: 24-MAY-2009 17:06
Instrument ID: 0825_1.i
CAS #: 877-09-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 2.3386 Height = 21233



Final Integration:

RT = 2.3386 Height = 21617

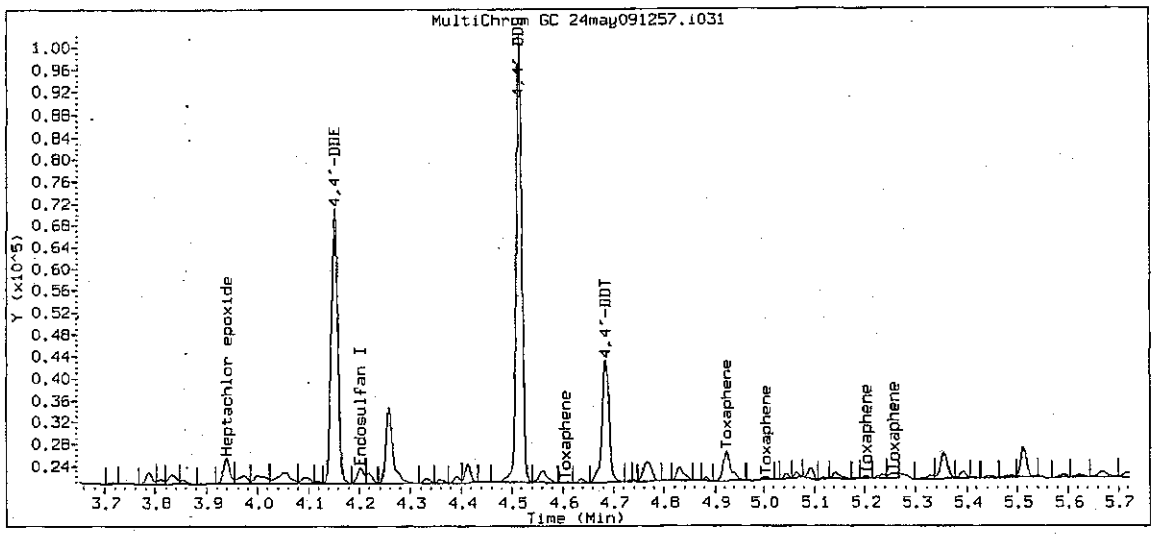
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r031.d
Client Sample ID: E2QQ4
Compound Name: 4,4'-DDT

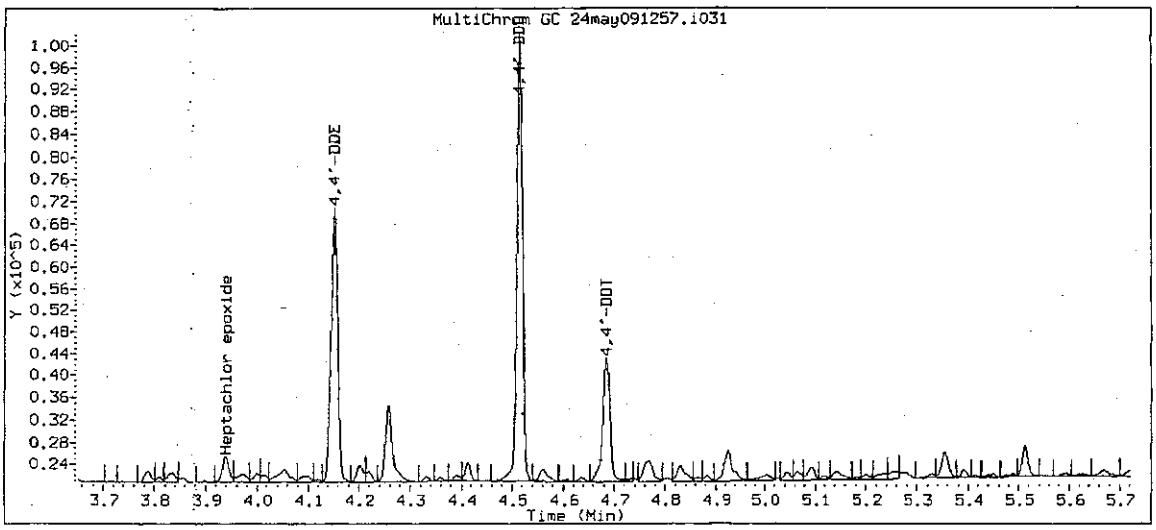
Inj. Date and Time: 24-MAY-2009 17:06
Instrument ID: 0825_1.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:38



Original Integration:

RT = 4.6860 Height = 22189



Final Integration:

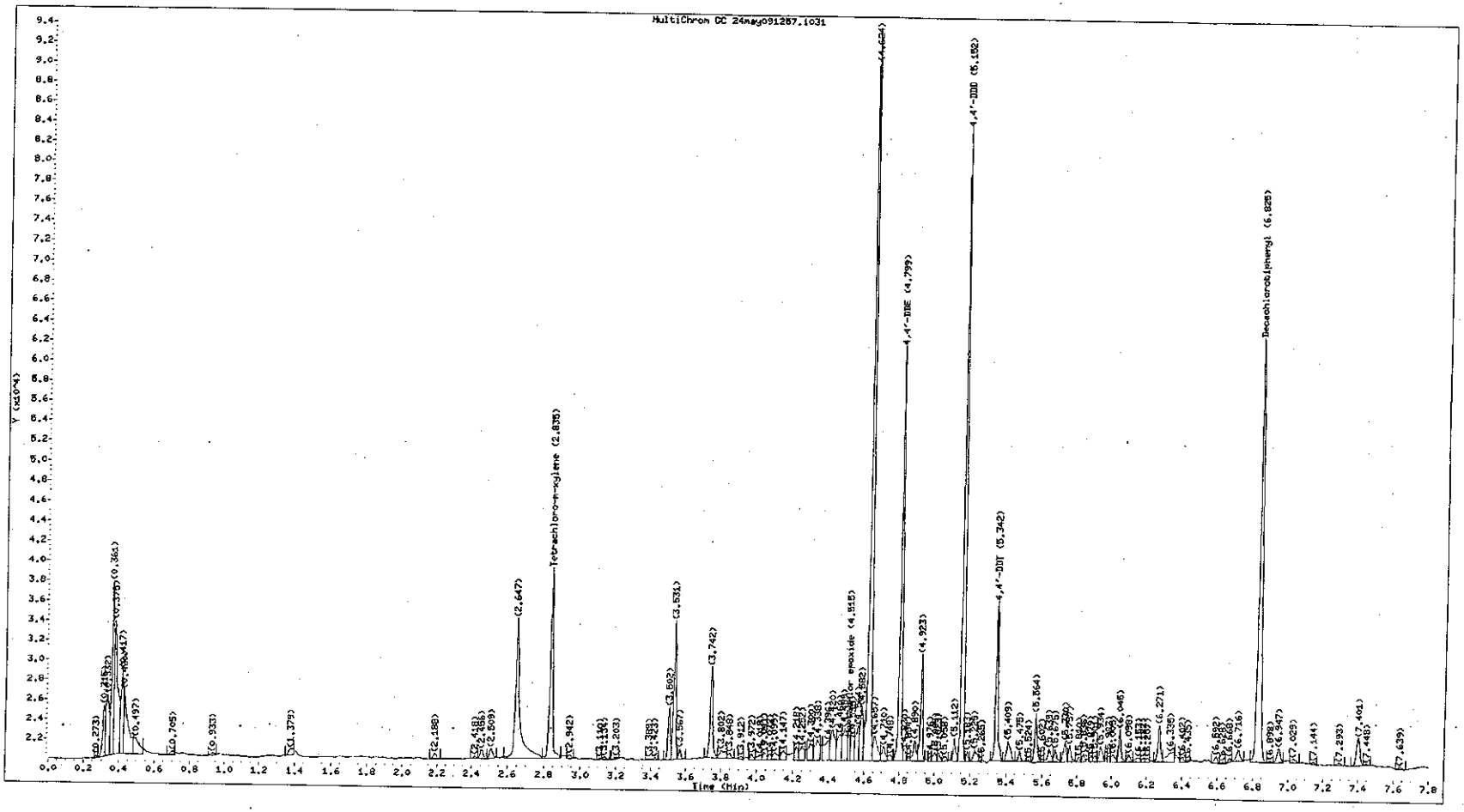
RT = 4.6860 Height = 22405

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794704	Client Sample ID: E2QQ4

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:06
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r031.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:09 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794704 Client Sample ID: E2QQ4

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:06
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r031.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:09 jb3		

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.273			182	311			
	2	0.315			5216	5123			
	3	0.332			7589	6147			
	4	0.361			15163	17474			
	5	0.375			17061	13535			
	6	0.417			8175	8536			
	7	0.430			11016	6426			
	8	0.497			3686	1641			
	9	0.705			640	374			
	10	0.933			440	222			
	11	1.379			1033	627			
	12	2.188			783	535			
	13	2.418			305	264			
	14	2.456			1091	856			
	15	2.509			1257	943			
	16	2.647			24458	14017			
$	17	2.835	2.847	-0.012	21092	19118	0.05078867		Tetrachloro-m-xylene
	18	2.942			444	359			
	19	3.110			145	153			
	20	3.134			312	263			
	21	3.203			270	174			
	22	3.389			166	149			
	23	3.423			188	196			
	24	3.502			4669	5206			
	25	3.531			13164	13840			
	26	3.567			995	1008			
	27	3.742			9486	9123			
	28	3.802			1702	734			
	29	3.848			565	455			
	30	3.912			350	273			
	31	3.972			736	527			
	32	4.019			756	461			
	33	4.041			903	725			
	34	4.072			723	592			
	35	4.099			1383	704			
	36	4.147			1525	931			
	37	4.218			1882	1356			
	38	4.252			2302	1341			
	39	4.300			2870	1654			
	40	4.338			3996	2000			
	41	4.396			4269	1936			
	42	4.420			5662	3053			
	43	4.460			4241	2538			
	44	4.489			5689	3209		M	
	45	4.515	4.509	0.006	2747	2317	0.00311678	aM	Heptachlor epoxide
	46	4.535			3797	2457		M	
	47	4.564			4587	3426			
	48	4.582			6492	5407			
	49	4.624			77785	84847			
	50	4.657			4304	2462			
	51	4.710			1943	1406			
	52	4.748			965	607			
	53	4.799	4.810	-0.011	34893	41504	0.05416226	M	4,4'-DDE
	54	4.830			1281	1222			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.854			487	474			
	56	4.890			2525	2025			
	57	4.923			9063	10744			
	58	4.976			469	506			
	59	5.005			1189	876			
	60	5.023			910	823			
	61	5.058			670	502			
	62	5.112			2279	2277			
	63	5.152	5.161	-0.009	49935	63375	0.09907355	M	4,4'-DDD
	64	5.183			790	984			
	65	5.225			1754	1141			
	66	5.265			156	318			
	67	5.342	5.355	-0.013	14083	15944	0.02421021		4,4'-DDT
	68	5.409			2981	1968			
	69	5.475			886	930			
	70	5.524			158	221			
	71	5.564			4812	4844			
	72	5.602			353	365			
	73	5.639			1898	1276			
	74	5.675			1410	1213			
	75	5.730			2395	2006			
	76	5.757			1747	1597			
	77	5.810			460	460			
	78	5.836			772	778			
	79	5.879			637	622			
	80	5.901			718	685			
	81	5.934			2094	1502			
	82	5.983			655	592			
	83	6.005			1149	708			
	84	6.045			3284	3240			
	85	6.098			936	774			
	86	6.153			925	413			
	87	6.182			515	391			
	88	6.207			498	424			
	89	6.271			4122	3665			
	90	6.335			2985	1057			
	91	6.402			659	560			
	92	6.435			154	183			
	93	6.592			739	648			
	94	6.628			155	169			
	95	6.668			452	443			
	96	6.716			1801	1125			
$	97	6.825	6.839	-0.014	51783	42376	0.08978989		Decachlorobiphenyl
	98	6.898			168	149			
	99	6.947			1907	1411			
	100	7.029			830	404			
	101	7.144			243	195			
	102	7.293			320	205			
	103	7.401			4117	2745			
	104	7.448			204	154			
	105	7.639			304	188			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
2.835	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor

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TestAmerica Burlington - Target GC Injection Report

Peak RT	Expected RT	Target Compound
	4.139	Aldrin
4.515	4.509	Heptachlor epoxide
	4.629	gamma-Chlordane
	4.720	alpha-Chlordane
	4.760	Endosulfan I
4.799	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
5.152	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
5.342	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.825	6.839	Decachlorobiphenyl

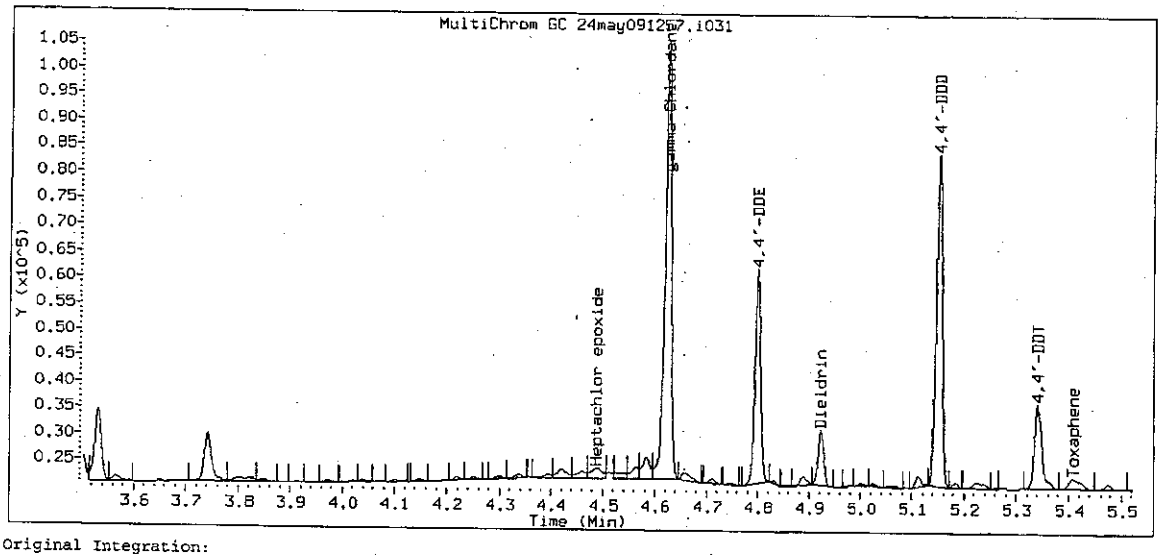
Reported: 05/25/2009 17:10 jb3 24may091257-r031.d Page 3

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r031.d
Client Sample ID: E2QQ4
Compound Name: Heptachlor epoxide

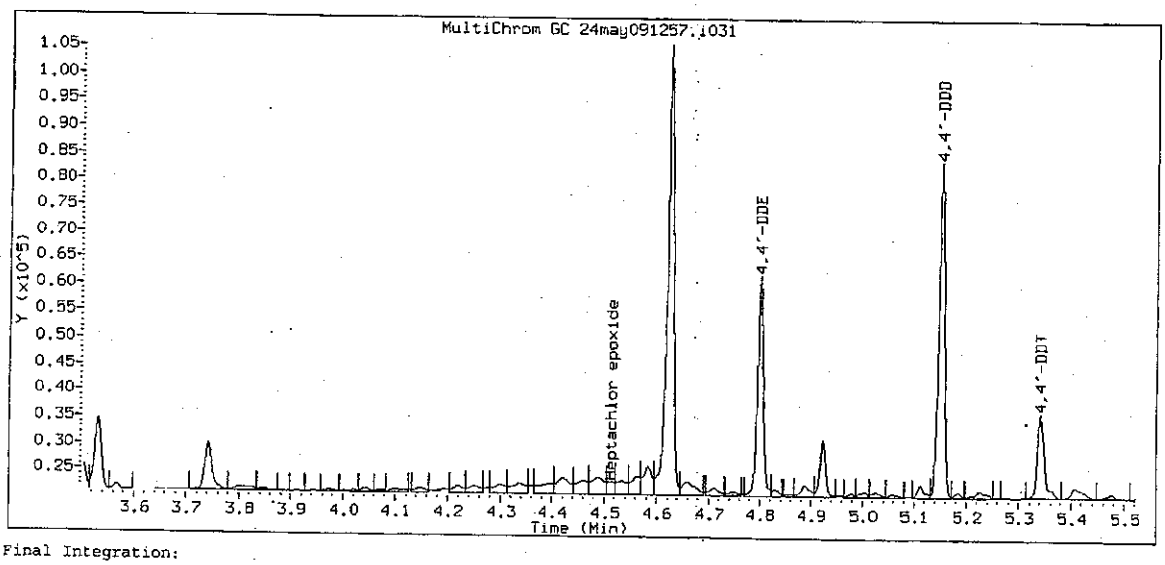
Inj. Date and Time: 24-MAY-2009 17:06
Instrument ID: 0825_2.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:10



Original Integration:

RT = 4.4887 Height = 1853



Final Integration:

RT = 4.5153 Height = 2317

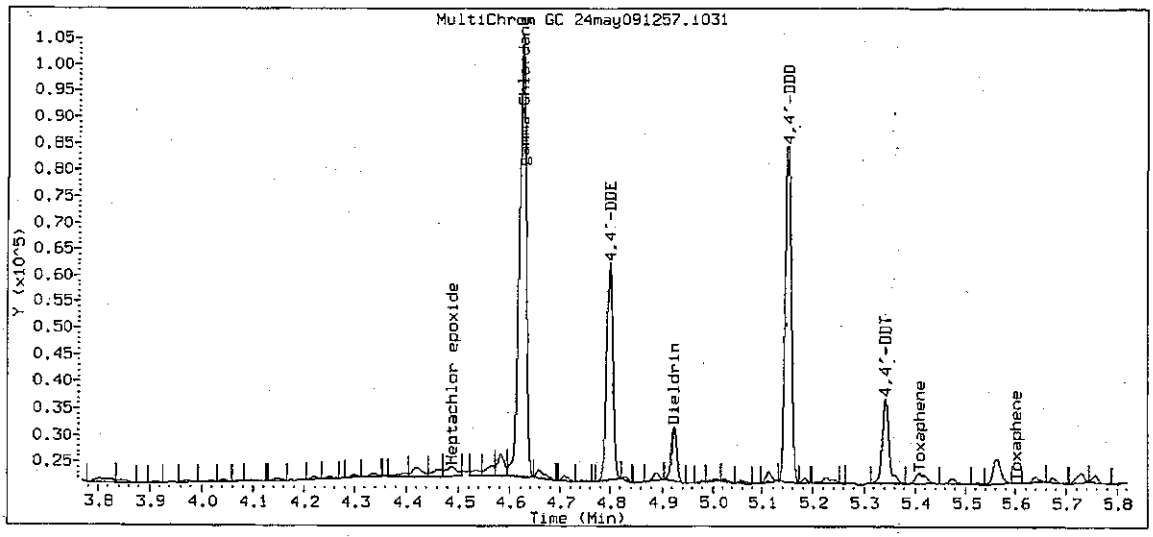
Manual Integration Reason: M11 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r031.d
Client Sample ID: E2QQ4
Compound Name: 4,4'-DDE

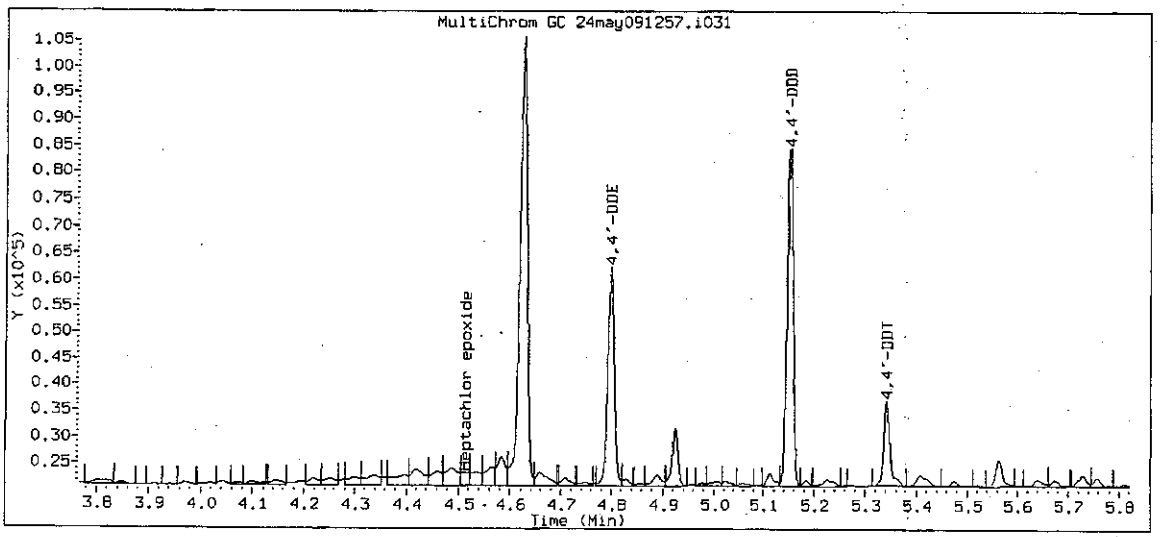
Inj. Date and Time: 24-MAY-2009 17:06
Instrument ID: 0825_2.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:10



Original Integration:

RT = 4.7991 Height = 40776



Final Integration:

RT = 4.7991 Height = 41504

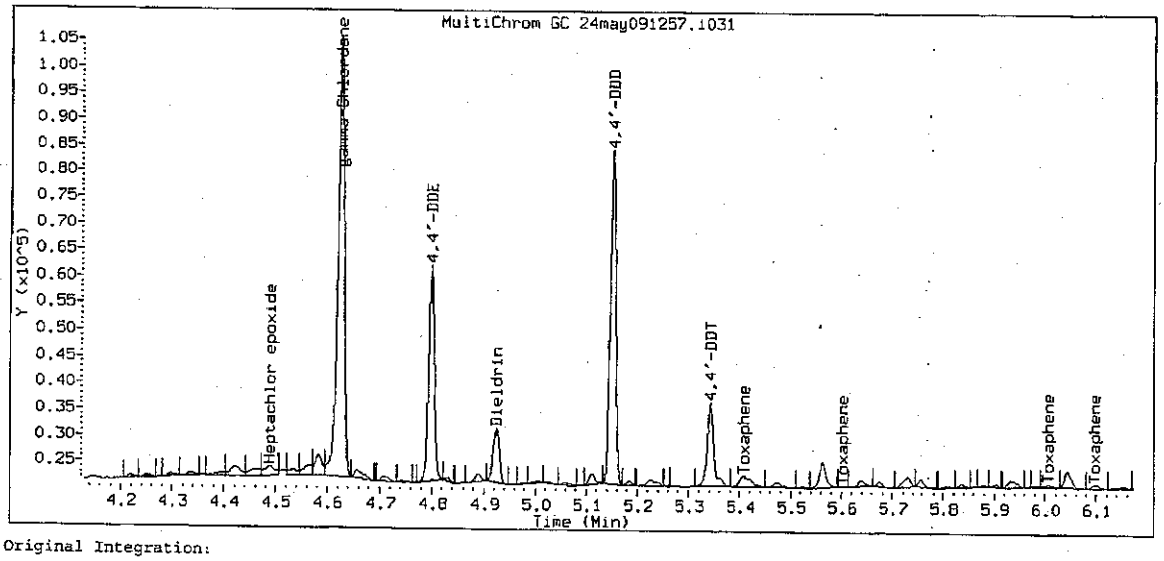
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r031.d
Client Sample ID: E2QQ4
Compound Name: 4,4'-DDD

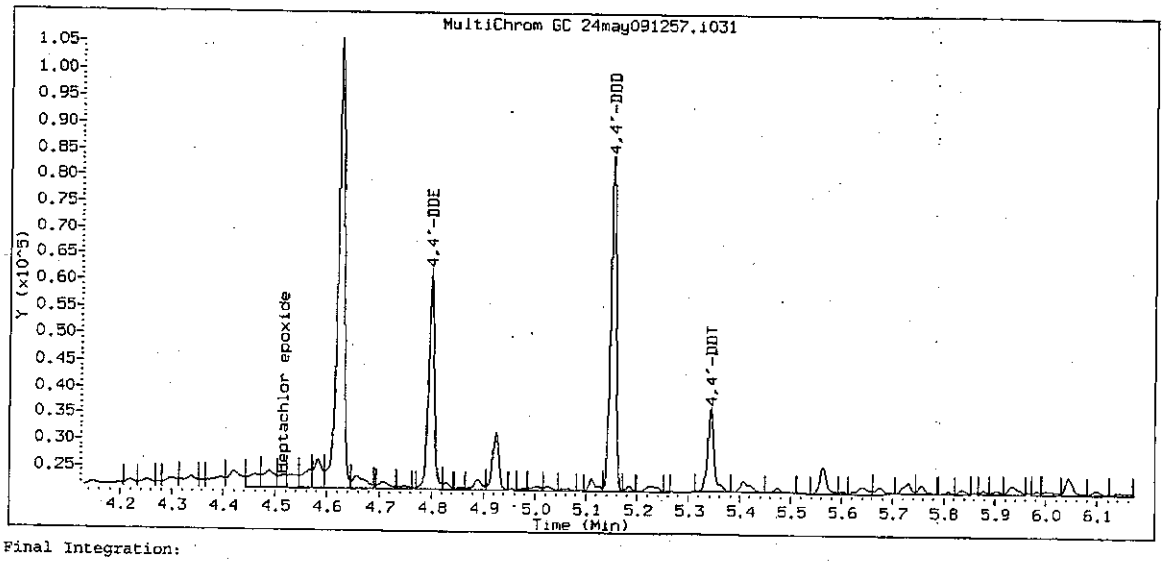
Inj. Date and Time: 24-MAY-2009 17:06
Instrument ID: 0825_2.i
CAS #: 72-54-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:10



Original Integration:

RT = 5.1515 Height = 63020



Final Integration:

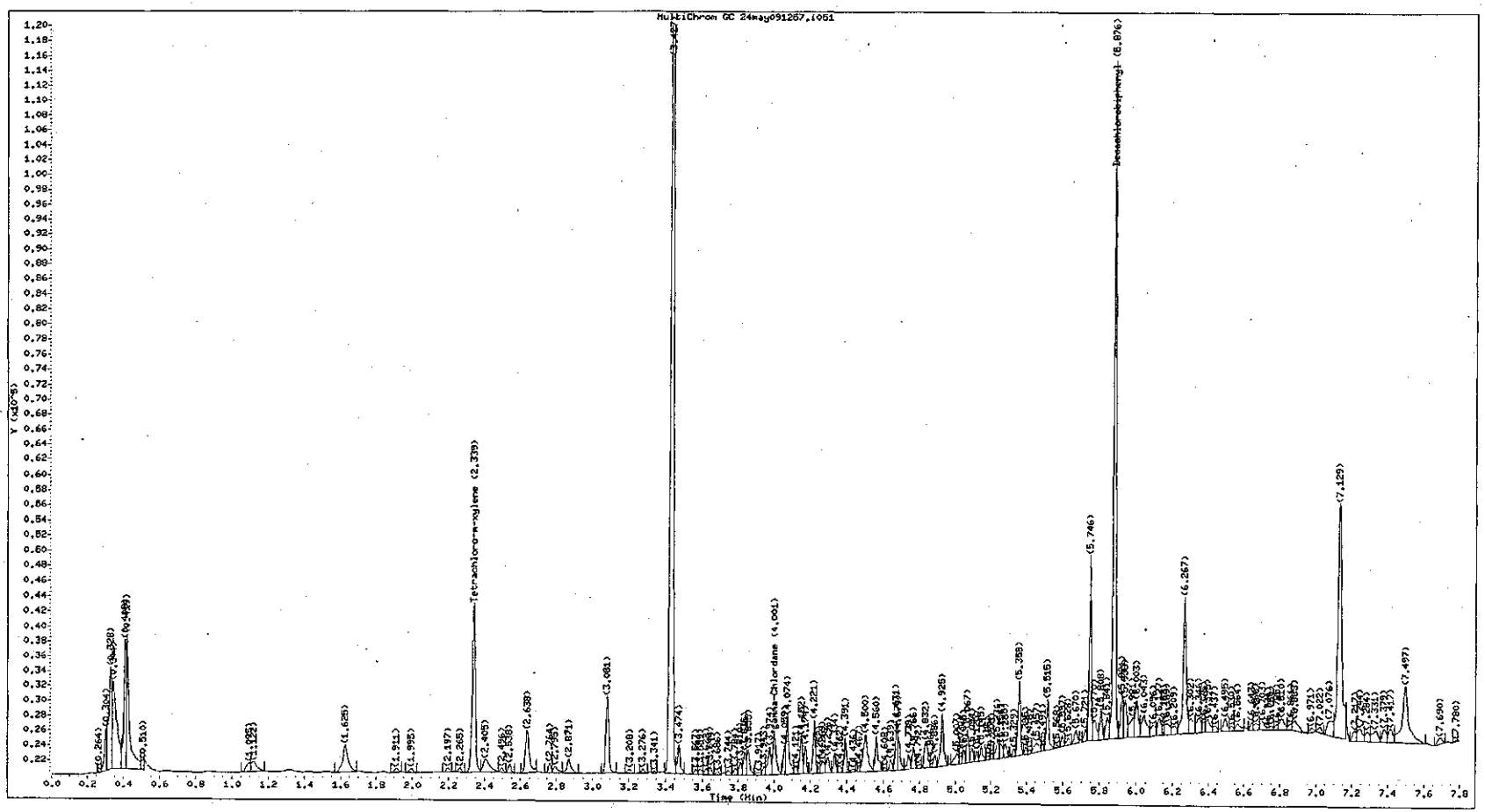
RT = 5.1515 Height = 63375

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794705	Client Sample ID: E2QQ5

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:29
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r051.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:39 jb3		



1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 24MAY091257-R051

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
58-89-9	gamma-BHC (Lindane)	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
1024-57-3	Heptachlor epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
60-57-1	Dieldrin	7.9	U
72-55-9	4,4'-DDE	7.9	U
72-20-8	Endrin	7.9	U
33213-65-9	Endosulfan II	7.9	U
72-54-8	4,4'-DDD	7.9	U
1031-07-8	Endosulfan sulfate	7.9	U
50-29-3	4,4'-DDT	7.9	U
72-43-5	Methoxychlor	41	U
53494-70-5	Endrin ketone	7.9	U
7421-93-4	Endrin aldehyde	7.9	U
5103-71-9	alpha-Chlordane	4.1	U
5103-74-2	gamma-Chlordane	4.8	P
8001-35-2	Toxaphene	410	U

SOM01.2

TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794705 Client Sample ID: E2QQ5

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r051.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:39 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 17:29
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
1	0.264			488	660			
2	0.304			4275	5666			
3	0.328			17225	13768			
4	0.344			20357	11798			
5	0.408			15709	17456			
6	0.419			21329	18059			
7	0.510			1235	1262			
8	1.095			1789	1117			
9	1.122			2836	1258			
10	1.625			7881	3649			
11	1.911			749	489			
12	1.995			829	516			
13	2.197			748	550			
14	2.265			692	521			
$ 15	2.339	2.347	-0.008	28128	22549	0.05205127		Tetrachloro-m-xylene
16	2.405			4602	1712			
17	2.496			757	602			
18	2.538			1227	1094			
19	2.638			8869	5565			
20	2.764			1397	1229			
21	2.795			1497	806			
22	2.871			3019	1819			
23	3.081			12065	10246			
24	3.208			765	544			
25	3.276			614	584			
26	3.341			414	294			
27	3.427			178470	176605			
28	3.474			4268	3786			
29	3.567			807	748			
30	3.589			956	753			
31	3.622			1125	865			
32	3.644			1273	1037			
33	3.686			616	442			
34	3.744			875	616			
35	3.784			1107	971			
36	3.810			1862	1740			
37	3.835			3587	3144			
38	3.855			3884	3429			
39	3.917			775	409			
40	3.943			1160	1190			
41	3.974			4860	3733			
42	4.001	4.024	-0.023	7285	5947	0.00597261	M	gamma-Chlordane
43	4.059			3296	3793			
44	4.074			8662	7810			
45	4.121			1223	1174			
46	4.152			5161	5039			
47	4.174			3439	3741			
48	4.221			6368	7133			
49	4.252			827	977			
50	4.269			2186	1596			
51	4.296			2520	2085			
52	4.334			2495	2578			
53	4.362			1141	955			
54	4.391			4018	4632			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.436			568	362			
	56	4.467			720	808			
	57	4.500			8594	4890			
	58	4.560			5221	4606			
	59	4.608			415	483			
	60	4.639			1395	1404			
	61	4.671			5976	6672		M	
	62	4.679			3794	4131		M	
	63	4.739			2150	1925			
	64	4.766			2723	2855			
	65	4.792			784	529			
	66	4.832			4815	3506			
	67	4.866			400	535		M	
	68	4.886			1430	1702			
	69	4.925			7958	6966			
	70	5.007			2413	1462			
	71	5.030			949	1022			
	72	5.045			1595	1814			
	73	5.067			3779	4402			
	74	5.094			2020	1865			
	75	5.120			1266	1416			
	76	5.145			1948	1889			
	77	5.185			591	588			
	78	5.205			769	882			
	79	5.236			2985	2680			
	80	5.256			2233	1916			
	81	5.280			2272	1884			
	82	5.329			1144	1046			
	83	5.358			9354	9804			
	84	5.395			873	1033			
	85	5.418			590	608			
	86	5.457			2790	1306			
	87	5.491			720	917			
	88	5.515			6579	6789			
	89	5.568			291	351			
	90	5.597			1235	1555			
	91	5.628			1182	934			
	92	5.670			2191	1777			
	93	5.721			1579	1559			
	94	5.746			19814	24475			
	95	5.770			3831	2782			
	96	5.808			4005	4175			
	97	5.841			3790	2929			
$	98	5.876	5.883	-0.007	76243	89892	0.08861429		Decachlorobiphenyl
	99	5.921			5701	5616			
	100	5.938			5313	5164			
	101	5.981			4378	2577			
	102	6.003			6308	4899			
	103	6.043			6245	2910			
	104	6.096			2498	1420			
	105	6.127			3196	2338			
	106	6.153			875	1363			
	107	6.169			2886	1483			
	108	6.209			1823	1055			
	109	6.267			22577	18117			
	110	6.302			3556	1987			
	111	6.346			3546	1944			
	112	6.375			1392	1445			
	113	6.395			2926	1656			
	114	6.437			1156	792			
	115	6.495			2708	1728			
	116	6.530			780	642			
	117	6.564			1891	941			
	118	6.643			1131	1109			
	119	6.666			1577	917			
	120	6.703			1995	1159			
	121	6.734			256	410			
	122	6.750			699	546			
	123	6.785			868	786			
	124	6.810			3109	1524			
	125	6.861			1154	882			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
126	6.883			3358	1427			
127	6.971			724	581			
128	7.022			1056	716			
129	7.076			4809	1984			
130	7.129			49000	30804			
131	7.217			1969	1298			
132	7.244			3278	1607			
133	7.284			2123	1289			
134	7.331			3567	1431			
135	7.379			2616	1646			
136	7.417			3235	1794			
137	7.497			19547	7488			
138	7.690			1439	788			
139	7.780			140	150			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

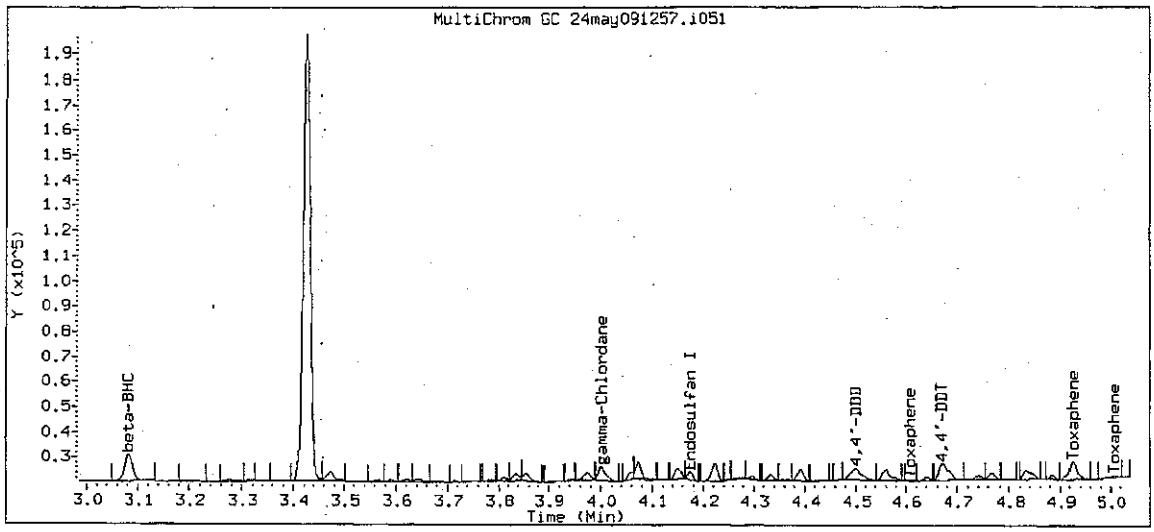
Peak RT	Expected RT	Target Compound
2.339	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
	3.944	Heptachlor epoxide
4.001	4.024	gamma-Chlordane
	4.108	alpha-Chlordane
	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate
	5.290	Endrin ketone
5.876	5.883	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r051.d
Client Sample ID: E2QQ5
Compound Name: gamma-Chlordane

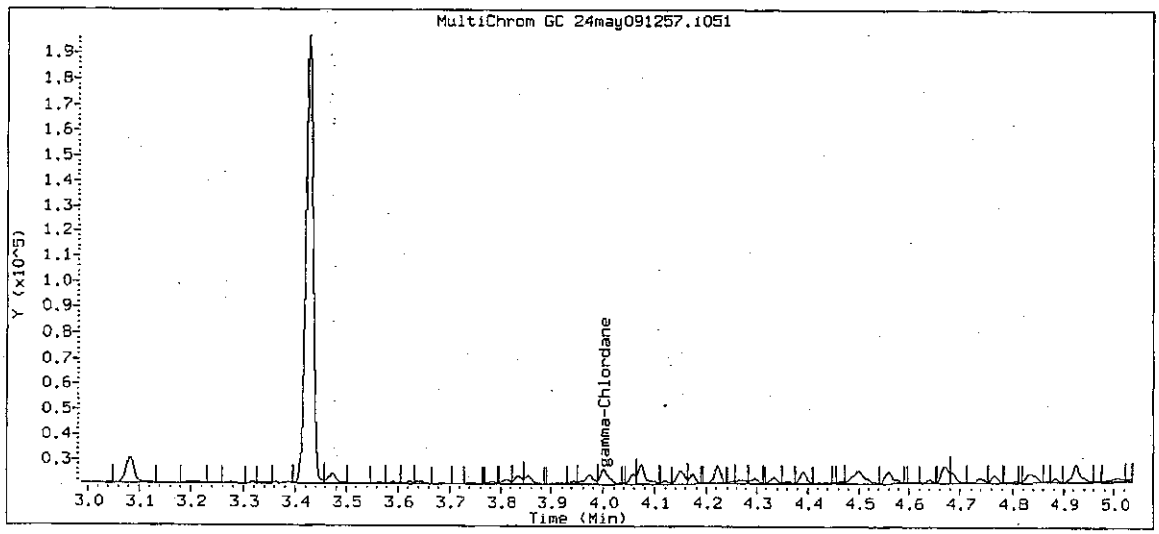
Inj. Date and Time: 24-MAY-2009 17:29
Instrument ID: 0825_1.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:39



Original Integration:

RT = 4.0011 Height = 5164



Final Integration:

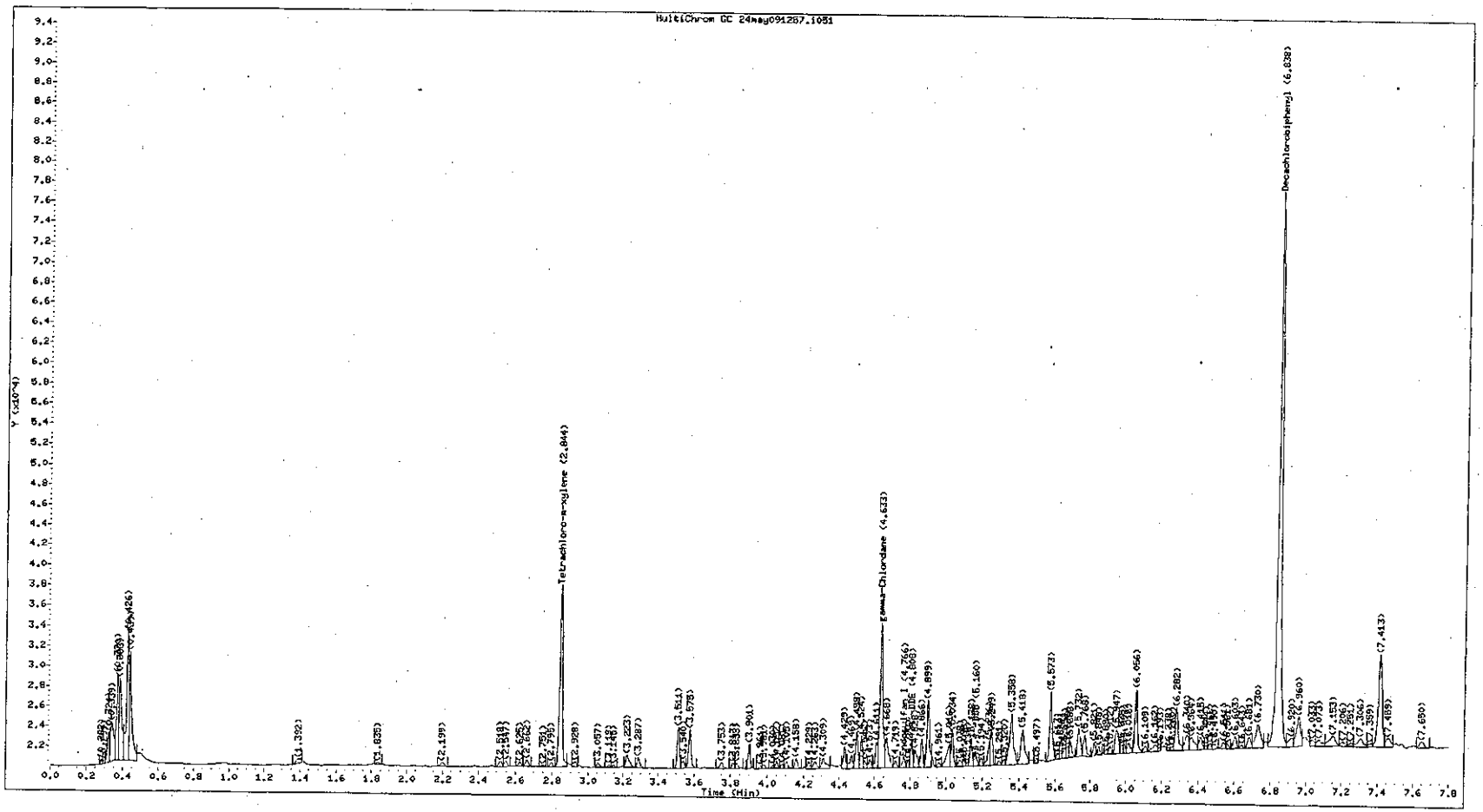
RT = 4.0011 Height = 5947

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794705	Client Sample ID: E2QQ5

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:29
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r051.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:10 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794705 Client Sample ID: E2QQ5

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r051.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:10 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 17:29
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.282			319	534			
	2	0.299			208	314			
	3	0.324			2453	2999			
	4	0.339			5211	3875			
	5	0.370			6972	8649			
	6	0.383			8469	8237			
	7	0.426			11988	12927			
	8	0.439			10386	10906			
	9	1.392			819	406			
	10	1.835			361	220			
	11	2.199			564	397			
	12	2.518			688	544			
	13	2.547			642	546			
	14	2.625			458	436			
	15	2.662			766	625			
	16	2.751			156	162			
	17	2.795			443	449			
$	18	2.844	2.847	-0.003	19060	17964	0.04772297		Tetrachloro-m-xylene
	19	2.928			716	497			
	20	3.057			542	434			
	21	3.119			242	271			
	22	3.145			222	215			
	23	3.223			1792	1226			
	24	3.287			1038	975			
	25	3.511			3697	4080			
	26	3.540			720	723			
	27	3.575			3711	3851			
	28	3.753			873	643			
	29	3.813			540	524			
	30	3.833			490	491			
	31	3.901			1909	2381			
	32	3.961			262	278			
	33	3.981			445	439			
	34	4.030			277	335			
	35	4.052			594	701			
	36	4.081			339	446			
	37	4.105			600	633			
	38	4.158			984	929			
	39	4.229			848	730			
	40	4.263			1131	701			
	41	4.309			1853	1066			
	42	4.429			2243	2145			
	43	4.469			1723	1310			
	44	4.498			3547	3616			
	45	4.524			2712	3209			
	46	4.546			724	733			
	47	4.573			953	876			
	48	4.611			2330	2570			
	49	4.633	4.629	0.003	16276	14376	0.01924350	M	gamma-Chlordane
	50	4.668			3984	2998			
	51	4.719			727	687			
	52	4.766	4.760	0.006	1024	1050	0.00000000		Endosulfan I
	53	4.790			620	742			
	54	4.808	4.810	-0.002	2384	2770	0.00000000		4,4'-DDE

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.828			2230	1727			
56	4.866			2385	2834			
57	4.899			6924	6646			
58	4.961			510	439			
59	5.016			2911	2139			
60	5.034			3236	3494			
61	5.078			821	622			
62	5.098			647	735			
63	5.118			318	397			
64	5.138			2288	2734			
65	5.160	5.161	0.000	1460	1455	0.00000000		4,4'-DDD
66	5.194			724	793			
67	5.236			2169	2365			
68	5.249			2985	3285			
69	5.291			508	465			
70	5.320			563	642			
71	5.358			7595	5070			
72	5.418			5452	3437			
73	5.497			449	420			
74	5.573			6852	6800			
75	5.613			472	589			
76	5.630			468	544			
77	5.652			985	999			
78	5.670			1098	1137			
79	5.686			1615	1603			
80	5.732			3172	2818			
81	5.768			2353	2157			
82	5.821			1079	1316			
83	5.848			714	790			
84	5.890			460	572			
85	5.912			779	829			
86	5.947			3217	2357			
87	5.978			712	813			
88	5.992			743	895			
89	6.016			1327	988			
90	6.056			6232	6311			
91	6.109			677	636			
92	6.162			1223	626			
93	6.193			339	397			
94	6.238			293	319			
95	6.260			349	400			
96	6.282			4895	4251			
97	6.340			2202	1511			
98	6.364			2173	1195			
99	6.415			1527	1223			
100	6.444			333	353			
101	6.466			571	530			
102	6.490			663	463			
103	6.541			732	565			
104	6.561			478	432			
105	6.603			1360	1087			
106	6.643			319	300			
107	6.681			1284	998			
108	6.730			4733	2272			
$ 109	6.838	6.839	0.000	72088	54805	0.11612551		Decachlorobiphenyl
110	6.920			1608	787			
111	6.960			4886	2923			
112	7.033			882	566			
113	7.073			1317	592			
114	7.153			2617	1000			
115	7.206			740	396			
116	7.251			486	329			
117	7.306			1700	747			
118	7.359			398	303			
119	7.413			13968	9193			
120	7.459			1683	828			
121	7.650			1055	545			

TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

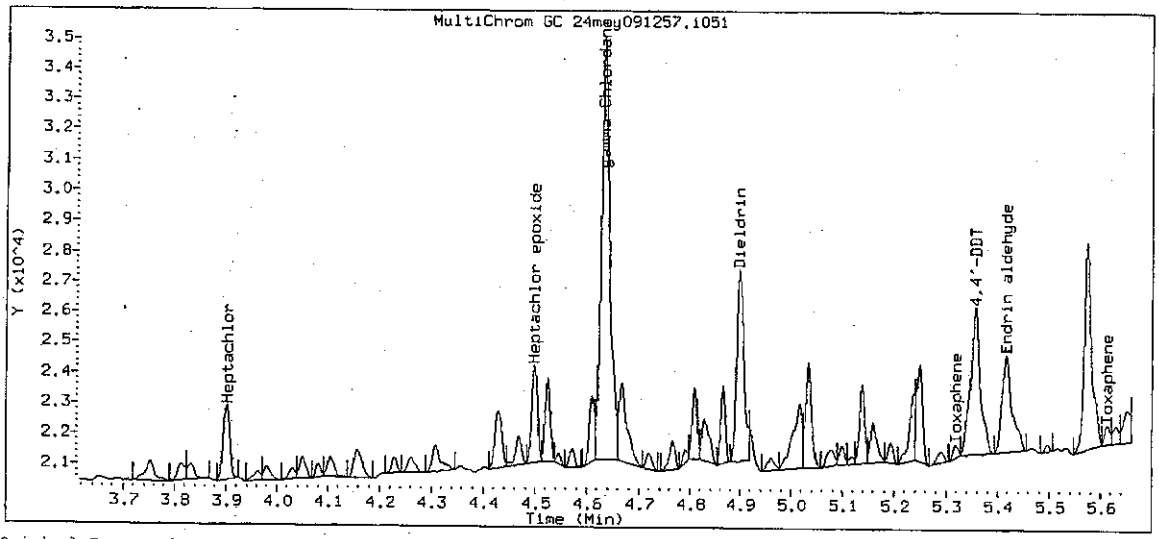
Peak RT	Expected RT	Target Compound
2.844	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
	4.509	Heptachlor epoxide
4.633	4.629	gamma-Chlordane
	4.720	alpha-Chlordane
	4.760	Endosulfan I
	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.838	6.839	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r051.d
Client Sample ID: E2QQ5
Compound Name: gamma-Chlordane

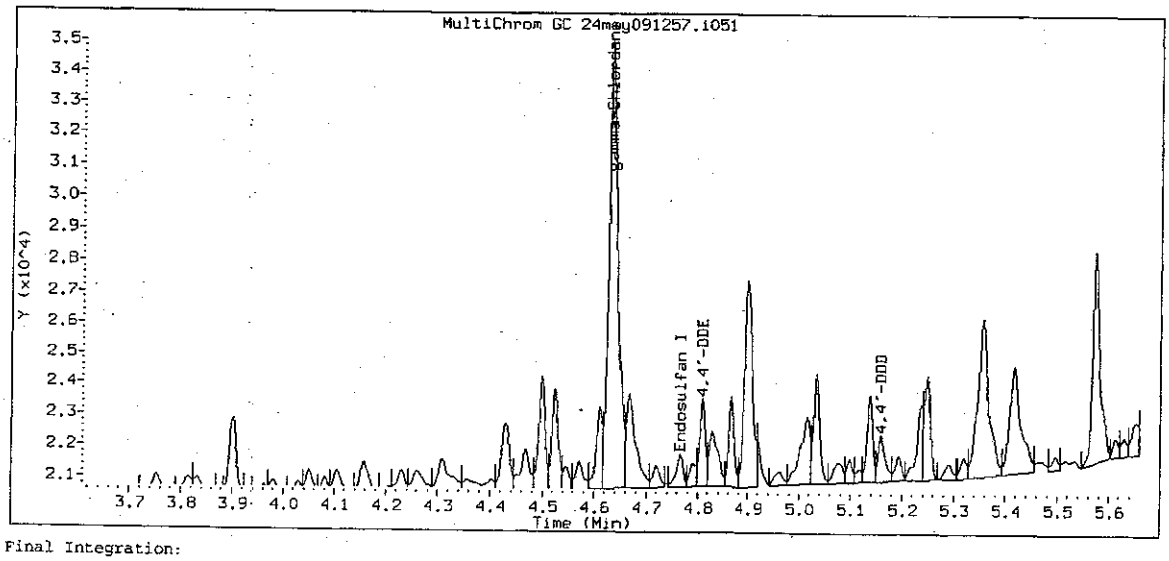
Inj. Date and Time: 24-MAY-2009 17:29
Instrument ID: 0825_2.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:10



Original Integration:

RT = 4.6328 Height = 13884



Final Integration:

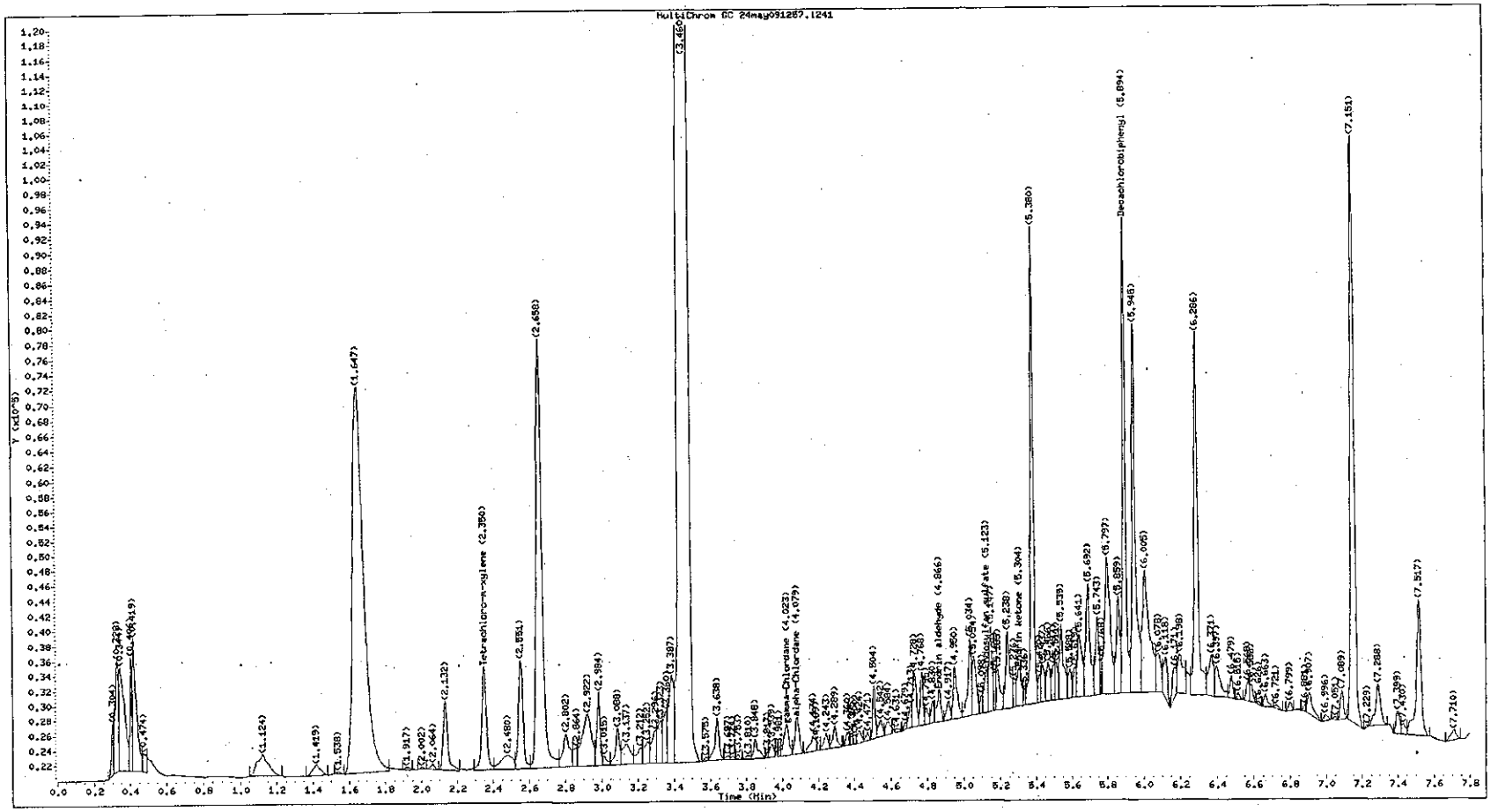
RT = 4.6328 Height = 14376

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794706	Client Sample ID: E2QQ6

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 21:09
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r241.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:40 jb3		



1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R241

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.3	U
319-85-7	beta-BHC	4.3	U
319-86-8	delta-BHC	4.3	U
58-89-9	gamma-BHC (Lindane)	4.3	U
76-44-8	Heptachlor	4.3	U
309-00-2	Aldrin	4.3	U
1024-57-3	Heptachlor epoxide	4.3	U
959-98-8	Endosulfan I	4.3	U
60-57-1	Dieldrin	8.3	U
72-55-9	4,4'-DDE	8.3	U
72-20-8	Endrin	8.3	U
33213-65-9	Endosulfan II	8.3	U
72-54-8	4,4'-DDD	8.3	U
1031-07-8	Endosulfan sulfate	4.5	JP
50-29-3	4,4'-DDT	8.3	U
72-43-5	Methoxychlor	43	U
53494-70-5	Endrin ketone	4.4	J
7421-93-4	Endrin aldehyde	5.4	J
5103-71-9	alpha-Chlordane	4.3	P
5103-74-2	gamma-Chlordane	3.5	JP
8001-35-2	Toxaphene	430	U

SOM01.2

TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794706 Client Sample ID: E2QQ6

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r241.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:40 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 21:09
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.304			4864	6672			
	2	0.328			20574	14884			
	3	0.344			30256	13944			
	4	0.406			11095	15192			
	5	0.419			26118	17773			
	6	0.474			3594	2409			
	7	1.124			12130	2818			
	8	1.419			4157	1363			
	9	1.538			372	218			
	10	1.647			219793	51379			
	11	1.917			619	313			
	12	2.002			403	264			
	13	2.064			1179	771			
	14	2.132			16719	9141			
$	15	2.350	2.347	0.003	25272	13877	0.03203315	M	Tetrachloro-m-xylene
	16	2.480			9040	1865			
	17	2.551			26184	14515			
	18	2.658			130326	56922			
	19	2.802			11653	4395			
	20	2.864			4409	2485			
	21	2.922			26044	6976			
	22	2.984			11682	9808			
	23	3.015			2217	1272			
	24	3.088			8036	4810			
	25	3.137			8583	2704			
	26	3.212			4966	2154			
	27	3.252			6543	2896			
	28	3.296			7349	4373			
	29	3.323			10776	5668			
	30	3.360			11751	7044		M	
	31	3.387			24434	11673		M	
	32	3.460			2051725	840254			
	33	3.575			676	524			
	34	3.638			9519	5637			
	35	3.697			827	567			
	36	3.724			561	467			
	37	3.753			753	633			
	38	3.810			1043	477			
	39	3.848			4616	2505			
	40	3.917			620	737			
	41	3.939			2753	1767			
	42	3.981			775	808			
	43	4.023	4.024	-0.001	8231	4119	0.00413674	aM	gamma-Chlordane
	44	4.079	4.108	-0.029	8030	4840	0.00517080	M	alpha-Chlordane
	45	4.174			4719	2397		M	
	46	4.189			1047	1098		M	
	47	4.243			3205	2008			
	48	4.289			4503	2844			
	49	4.360			1840	1651			
	50	4.385			1089	1068			
	51	4.400			1300	1240			
	52	4.424			2625	1617			
	53	4.471			1278	1029			
	54	4.504			6780	7071			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.542			3640	2215			
56	4.584			3278	1684			
57	4.631			682	512			
58	4.679			942	951			
59	4.713			3608	3157		M	
60	4.728			10548	7354		M	
61	4.768			7625	7089			
62	4.795			3105	2314			
63	4.830			3376	2993			
64	4.866	4.867	-0.002	6730	4386	0.00643213	a	Endrin aldehyde
65	4.917			3544	2548			
66	4.950			10714	6984			
67	5.034			13835	10345			
68	5.054			11355	7846			
69	5.098			2107	2498			
70	5.123	5.124	-0.002	8106	5727	0.00708698	aH	Endosulfan sulfate
71	5.147			13766	11313			
72	5.169			4540	5119			
73	5.185			8302	5473			
74	5.238			17043	10292			
75	5.276			3863	3891			
76	5.304	5.290	0.014	9320	5162	0.00518344	aM	Endrin ketone
77	5.336			1681	2126			
78	5.380			70644	63106			
79	5.420			3823	3698			
80	5.437			6499	4844			
81	5.466			7444	5202			
82	5.497			4849	4735			
83	5.511			6032	5014			
84	5.539			16254	10057			
85	5.588			5580	3865			
86	5.619			4984	4035			
87	5.641			15490	8361			
88	5.692			25711	14946			
89	5.743			14177	10472			
90	5.768			3112	4851			
91	5.797			40109	18216			
92	5.859			18495	12798			
$ 93	5.894	5.883	0.011	70110	62801	0.06190836		Decachlorobiphenyl
94	5.945			65401	48819			
95	6.005			45083	16191			
96	6.078			9322	5110			
97	6.118			8913	5545			
98	6.171			6497	3901			
99	6.198			12241	5280			
100	6.286			67203	48042			
101	6.371			10435	5502			
102	6.397			9091	4202			
103	6.479			3521	3051			
104	6.515			1115	927			
105	6.568			3063	2670			
106	6.586			2933	2424			
107	6.626			430	350			
108	6.663			2282	1691			
109	6.721			818	452			
110	6.799			1349	1068			
111	6.881			799	873			
112	6.907			6050	2911			
113	6.996			1377	868			
114	7.051			471	420			
115	7.089			4900	3874			
116	7.151			116201	77771			
117	7.229			270	261			
118	7.288			11568	5569			
119	7.399			4506	3075			
120	7.430			1997	1324			
121	7.517			34273	18047			
122	7.710			2891	1330			

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TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds.

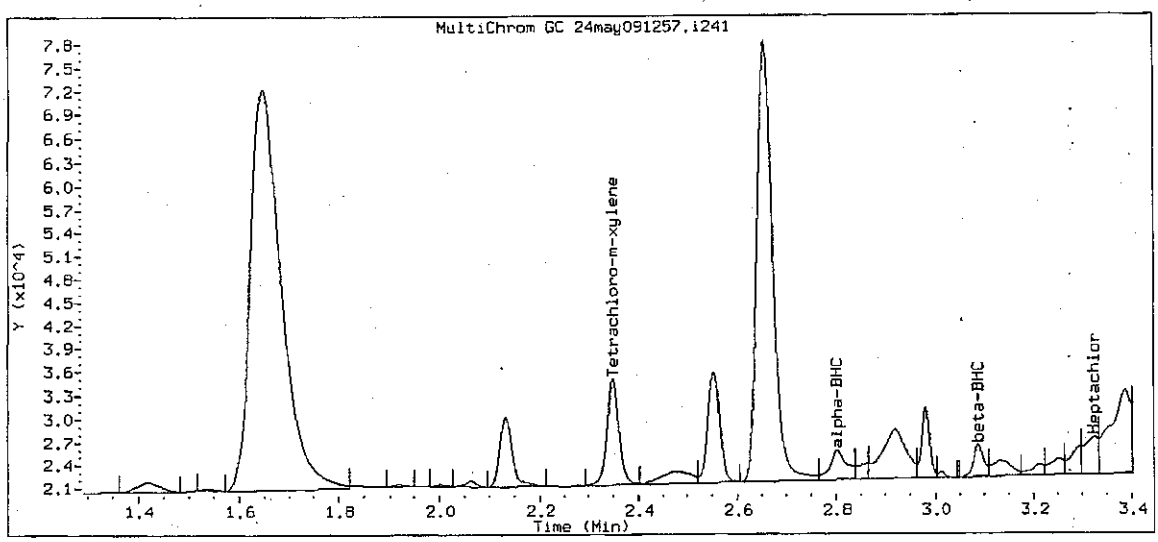
Peak RT	Expected RT	Target Compound
2.350	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
	3.944	Heptachlor epoxide
4.023	4.024	gamma-Chlordane
4.079	4.108	alpha-Chlordane
	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
	4.693	4,4'-DDT
4.866	4.867	Endrin aldehyde
	4.984	Methoxychlor
5.123	5.124	Endosulfan sulfate
5.304	5.290	Endrin ketone
5.894	5.883	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: Tetrachloro-m-xylene

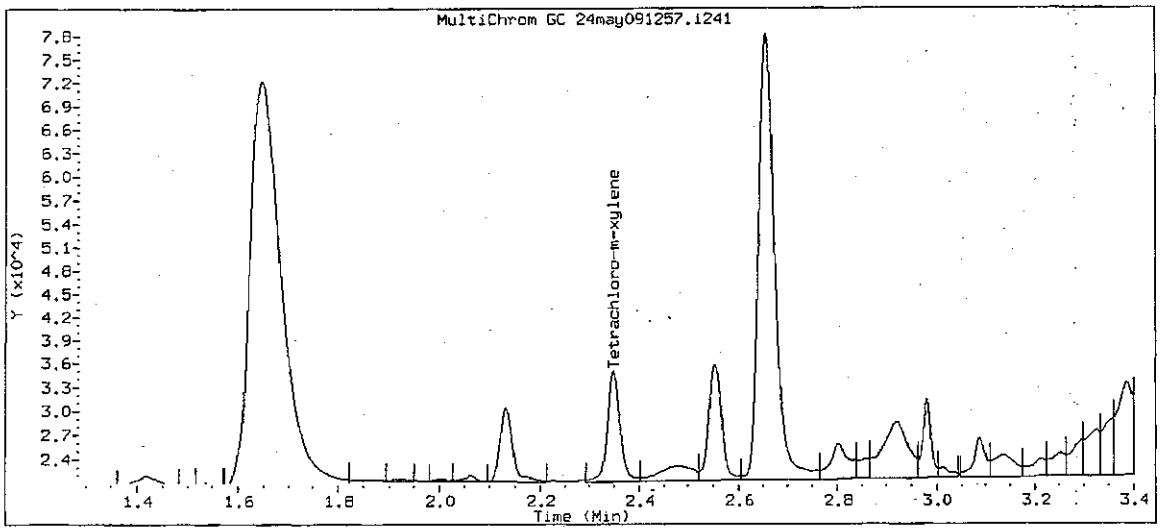
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_1.i
CAS #: 877-09-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:40



Original Integration:

RT = 2.3497 Height = 13559



Final Integration:

RT = 2.3497 Height = 13877

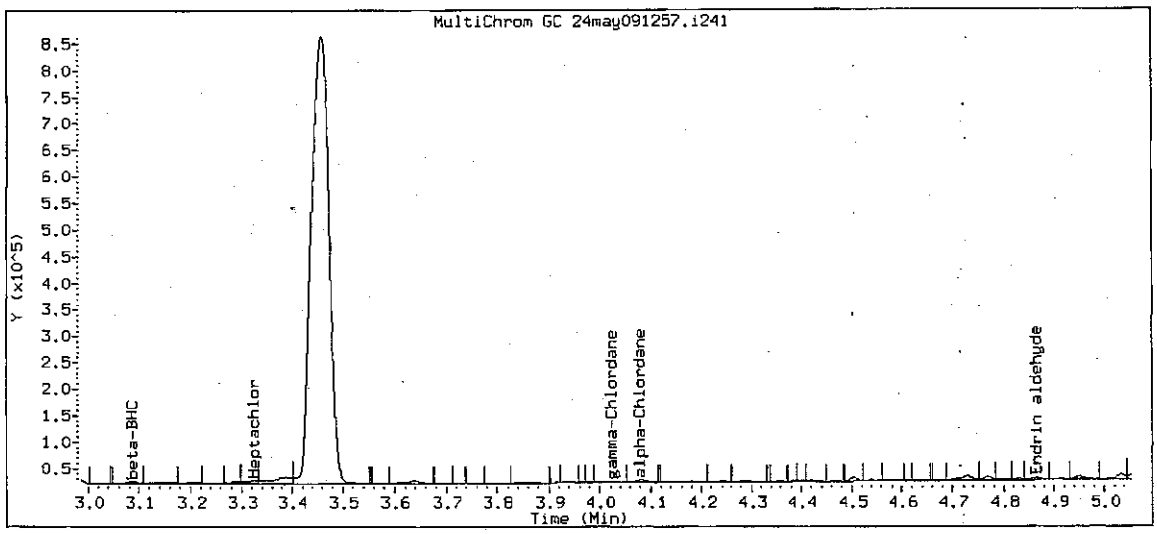
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: gamma-Chlordane

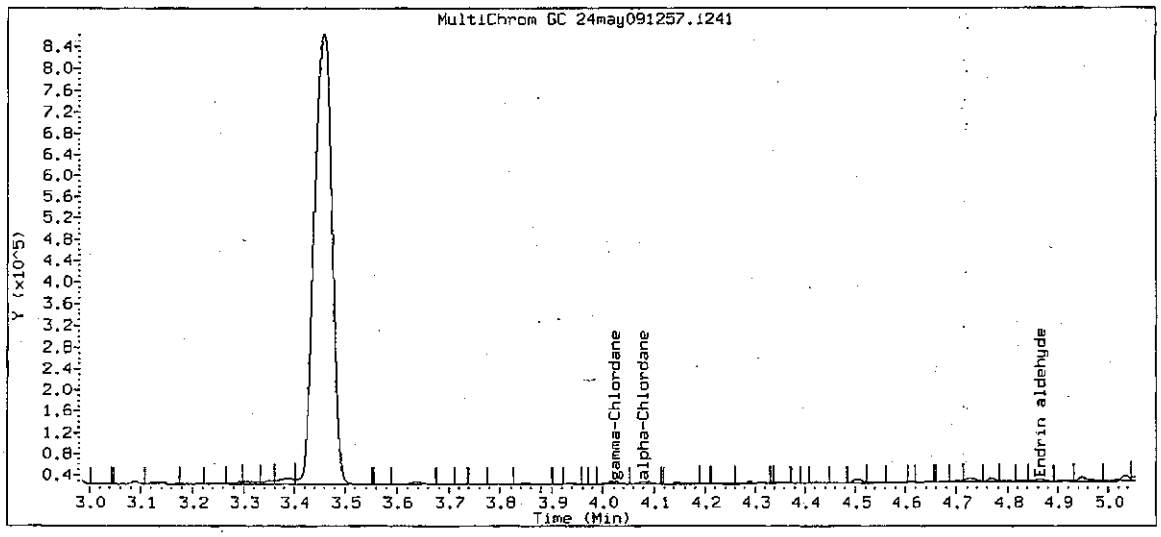
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_1.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:40



Original Integration:

RT = 4.0232 Height = 3478



Final Integration:

RT = 4.0232 Height = 4119

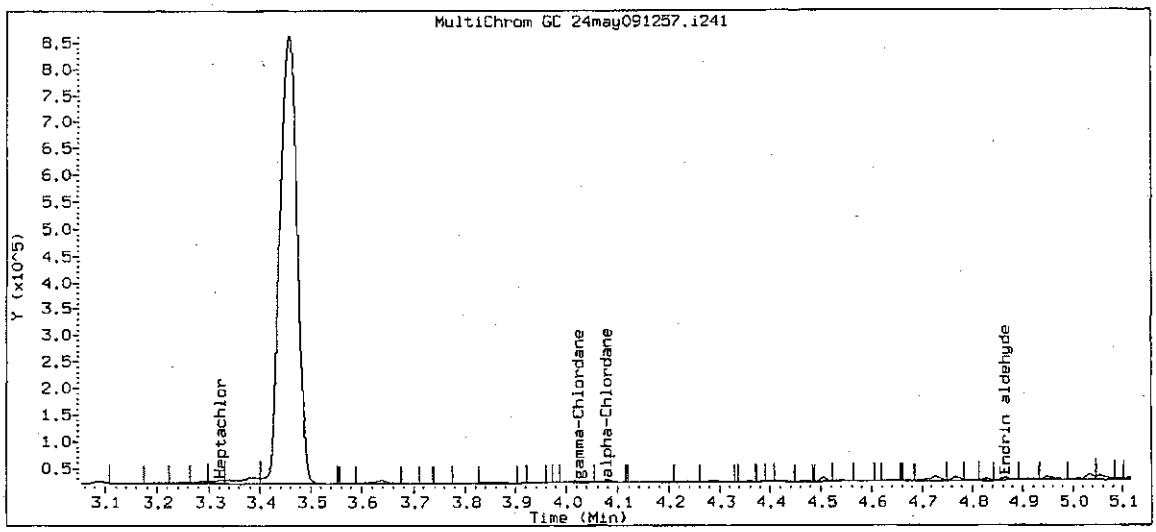
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: alpha-Chlordane

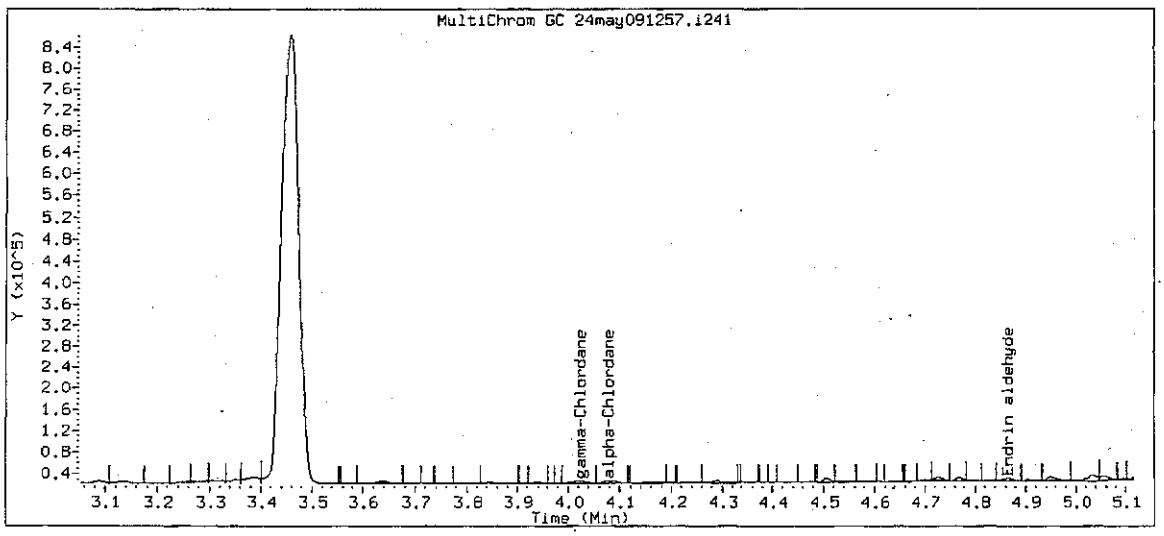
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_1.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:40



Original Integration:

RT = 4.0787 Height = 4407



Final Integration:

RT = 4.0787 Height = 4840

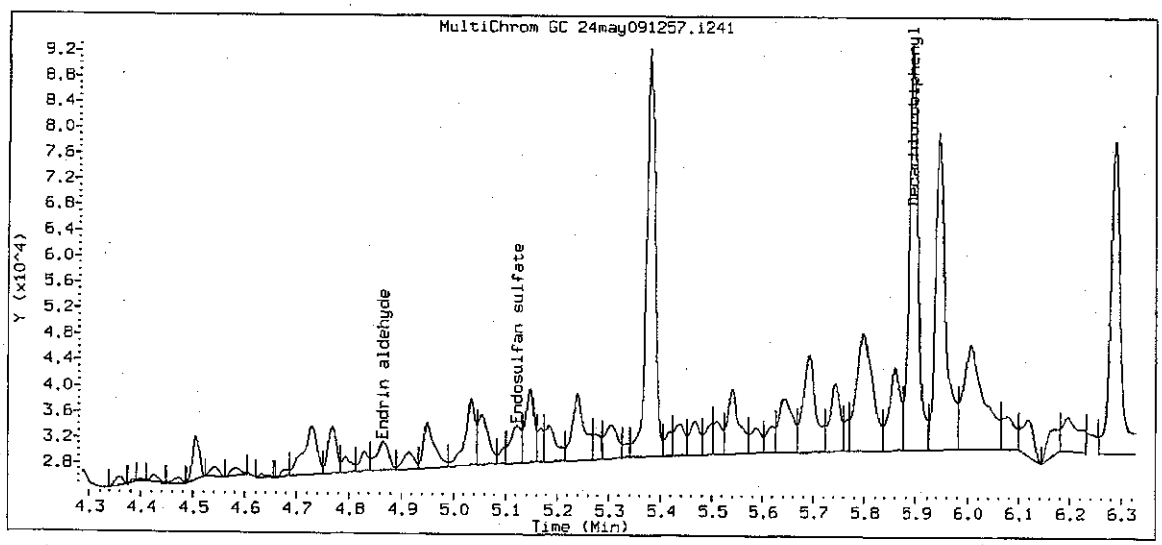
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: Endrin ketone

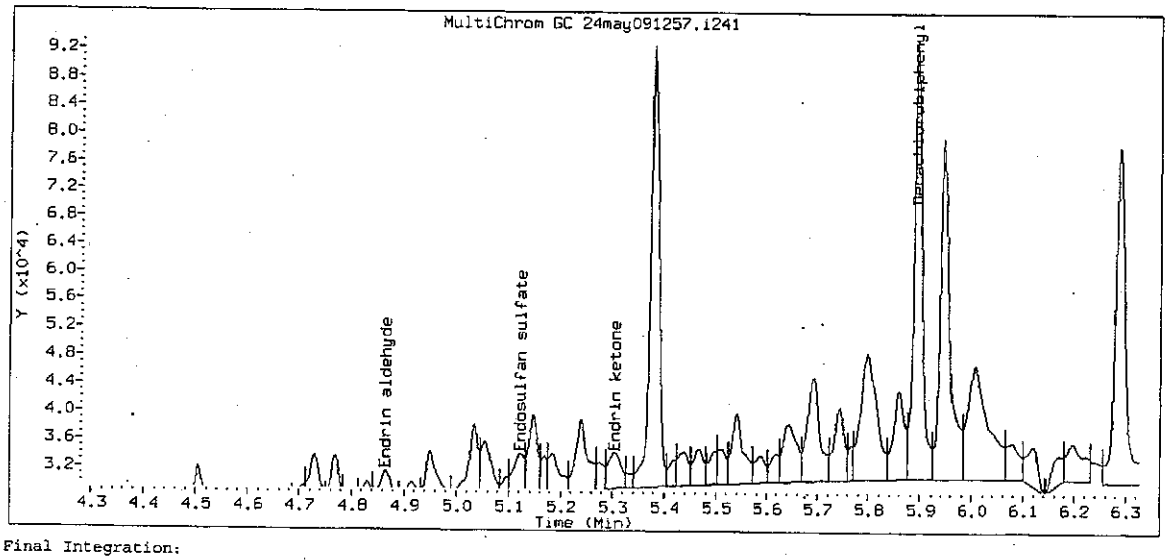
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_1.i
CAS #: 53494-70-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:40



Original Integration:

RT = 0.0000 Height = 0



Final Integration:

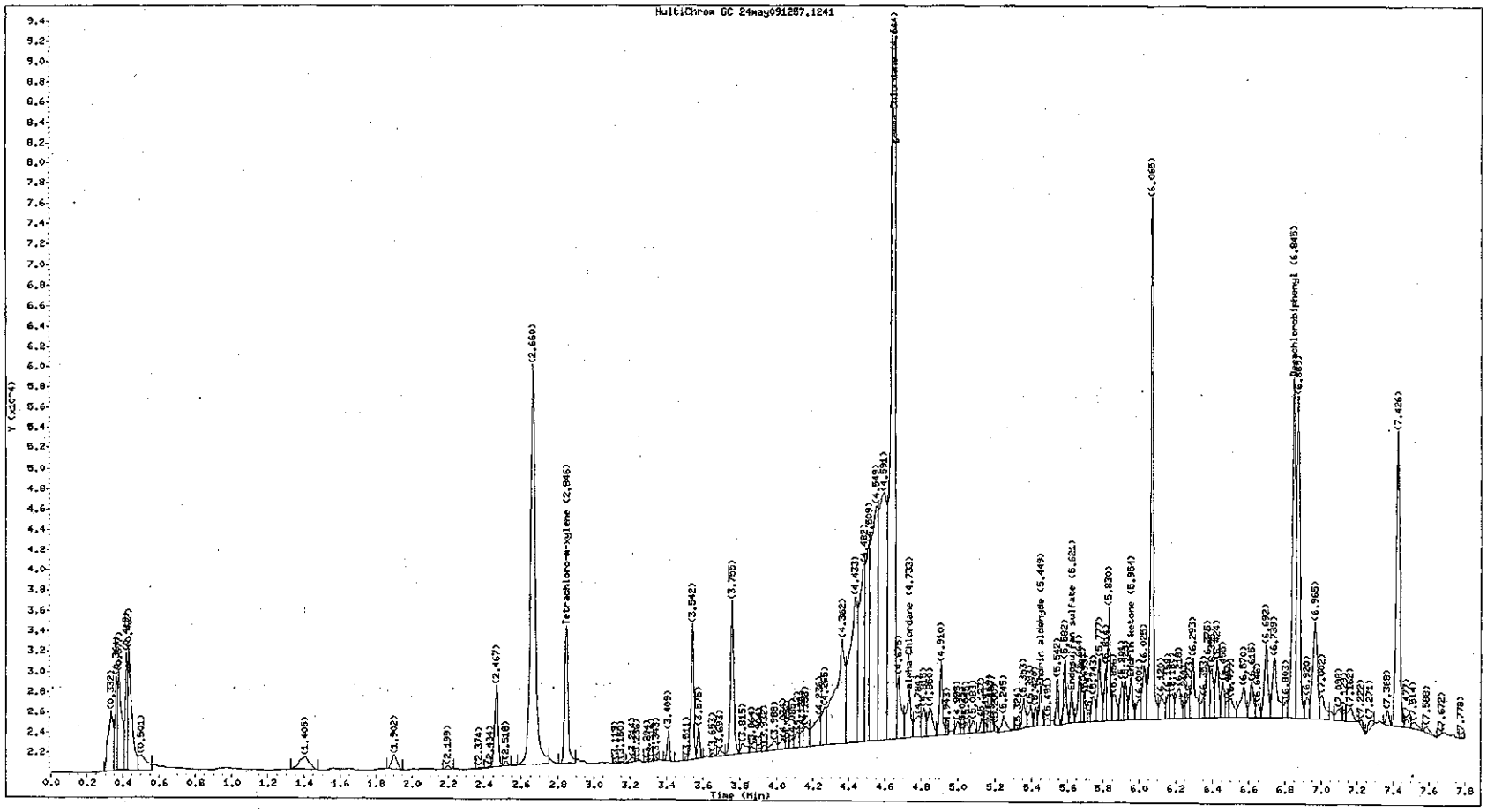
RT = 5.3045 Height = 5162

Manual Integration Reason: MI1 - Poor automated baseline

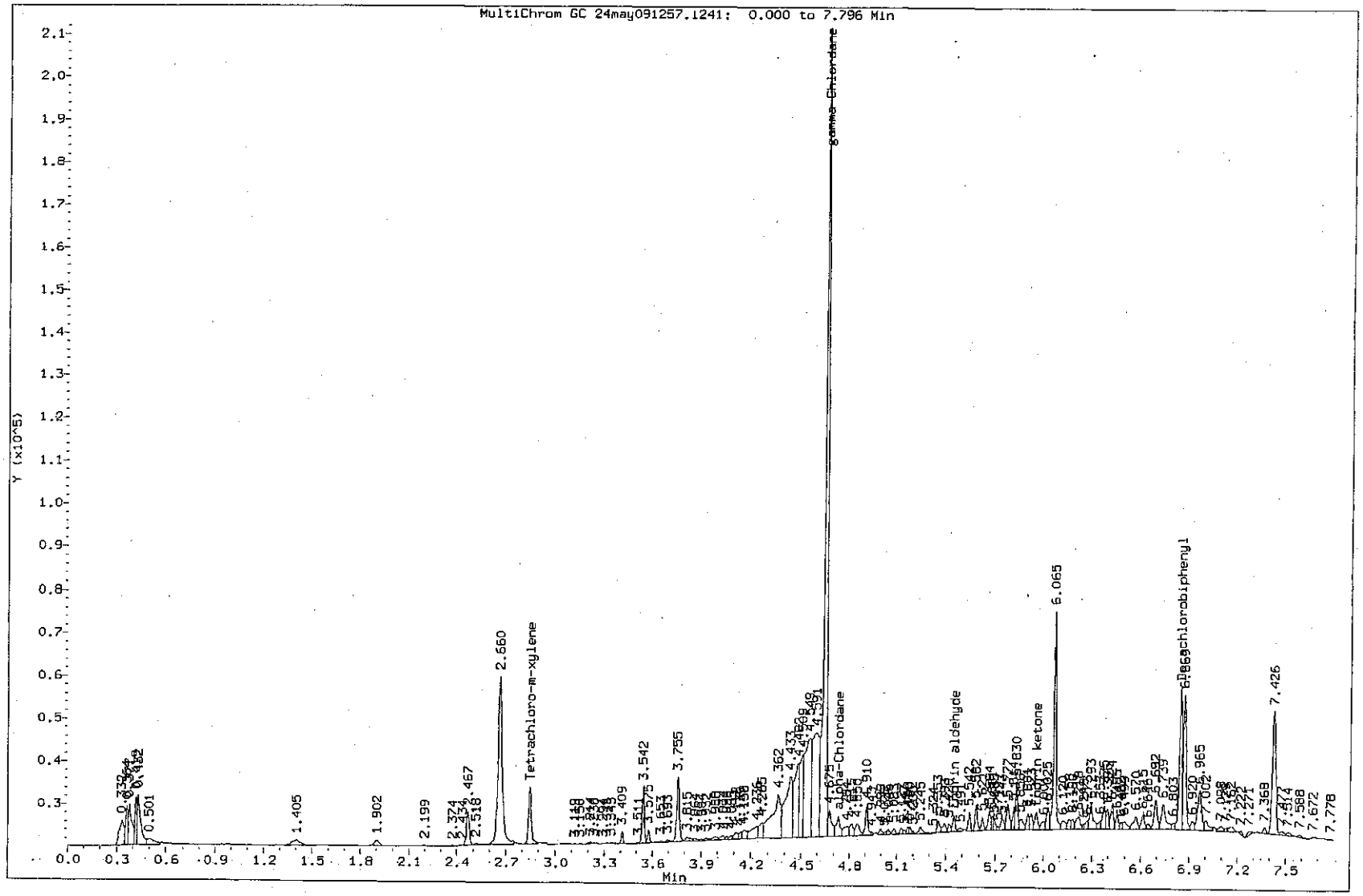
TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794706	Client Sample ID: E2QQ6

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 21:09
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r241.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:11 jb3		



Data File: /var/chem/0825_2.i/052409_4/24MAY091257.b/24may091257-r241.d/24may091257.i241
Injection Date: 24-MAY-2009 21:09
Instrument: 0825_2.i
Client Sample ID: E2QQ6



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794706 Client Sample ID: E2QQ6

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r241.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:11 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 21:09
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.332			11462	5959			
	2	0.364			8488	9303			
	3	0.377			14383	9636			
	4	0.419			9229	11616			
	5	0.432			17815	11957			
	6	0.501			4781	1464			
	7	1.405			4768	1235			
	8	1.902			2727	1315			
	9	2.199			534	348			
	10	2.374			167	138			
	11	2.434			148	98			
	12	2.467			10483	8006			
	13	2.518			556	425			
	14	2.660			73426	39292			
$	15	2.846	2.847	-0.001	17161	13487	0.03582942		Tetrachloro-m-xylene
	16	3.119			262	228			
	17	3.150			201	205			
	18	3.214			664	429			
	19	3.236			140	177			
	20	3.294			206	205			
	21	3.316			257	289			
	22	3.343			291	276			
	23	3.409			2544	2974			
	24	3.511			322	358			
	25	3.542			13280	13290			
	26	3.575			2830	3089			
	27	3.653			474	377			
	28	3.693			860	580			
	29	3.755			18178	15089			
	30	3.815			2224	989			
	31	3.864			1019	582			
	32	3.904			518	406			
	33	3.932			827	599			
	34	3.988			2035	842			
	35	4.034			1760	1015			
	36	4.056			947	803			
	37	4.085			1155	923			
	38	4.112			2579	1600			
	39	4.139			1760	1578			
	40	4.158			3792	1959			
	41	4.236			7925	2768			
	42	4.265			6953	3682			
	43	4.362			40183	10224			
	44	4.433			42718	14299			
	45	4.482			36147	17377			
	46	4.509			31671	19452			
	47	4.549			65210	23062			
	48	4.591			74937	24246			
	49	4.644	4.629	0.015	232607	188398	0.25218675	AM	gamma-Chlordane
	50	4.675			10416	6202			
	51	4.733	4.720	0.013	8491	4678	0.00639937	M	alpha-Chlordane
	52	4.784			4978	2072			
	53	4.815			4587	2792			
	54	4.850			5451	2735			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.910			8216	7267		M	
	56	4.943			535	665		M	
	57	4.999			1624	1233			
	58	5.025			594	614			
	59	5.045			1363	1148			
	60	5.083			1634	1207			
	61	5.127			1495	1342			
	62	5.147			857	921			
	63	5.169			1472	1603			
	64	5.180			1294	1517			
	65	5.200			551	676			
	66	5.245			2685	1608			
	67	5.324			104	129			
	68	5.353			3558	2874			
	69	5.393			2952	2102			
	70	5.420			2047	1921			
	71	5.449	5.441	0.008	4293	3862	0.00752203	aM	Endrin aldehyde
	72	5.491			1324	740			
	73	5.542			3975	4524			
	74	5.582			6582	6241			
	75	5.621	5.607	0.014	3045	3140	0.00531431	aM	Endosulfan sulfate
	76	5.664			4998	4577			
	77	5.681			2793	3341			
	78	5.695			2319	2692			
	79	5.719			724	871			
	80	5.743			3762	2521			
	81	5.777			8137	6217			
	82	5.814			4552	5444			
	83	5.830			11564	11127			
	84	5.856			4604	2610			
	85	5.901			4287	3877			
	86	5.923			4404	3869			
	87	5.954	5.937	0.016	5567	4177	0.00582378	aM	Endrin ketone
	88	6.001			3397	1958			
	89	6.025			6710	5360			
	90	6.065			53261	50878			
	91	6.120			4074	2030			
	92	6.158			3241	2454			
	93	6.180			3119	2464			
	94	6.218			5663	3015			
	95	6.249			908	1269			
	96	6.273			2498	2044			
	97	6.293			9558	5908			
	98	6.353			2685	2089			
	99	6.375			7411	5542			
	100	6.395			5225	4787			
	101	6.424			7217	5577			
	102	6.455			4130	3464			
	103	6.482			1636	1640			
	104	6.499			3381	1870			
	105	6.570			6150	2984			
	106	6.615			5038	3378			
	107	6.646			1874	1337			
	108	6.692			10527	7072			
	109	6.739			11875	5889			
	110	6.803			2343	1658			
$	111	6.845	6.839	0.006	39524	33273	0.07050167		Decachlorobiphenyl
	112	6.869			40816	31483			
	113	6.920			3106	2134			
	114	6.965			16345	9430			
	115	7.002			4661	2438			
	116	7.098			2238	1157			
	117	7.129			708	772			
	118	7.162			2782	1245			
	119	7.222			869	639			
	120	7.271			1271	778			
	121	7.368			1687	1386			
	122	7.426			41808	28709			
	123	7.477			1443	814			
	124	7.514			1497	651			
	125	7.588			1145	621			

Reported: 05/25/2009 17:11 jb3 24may091257-r241.d Page 2

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
126	7.672			156	74			
127	7.778			137	156			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

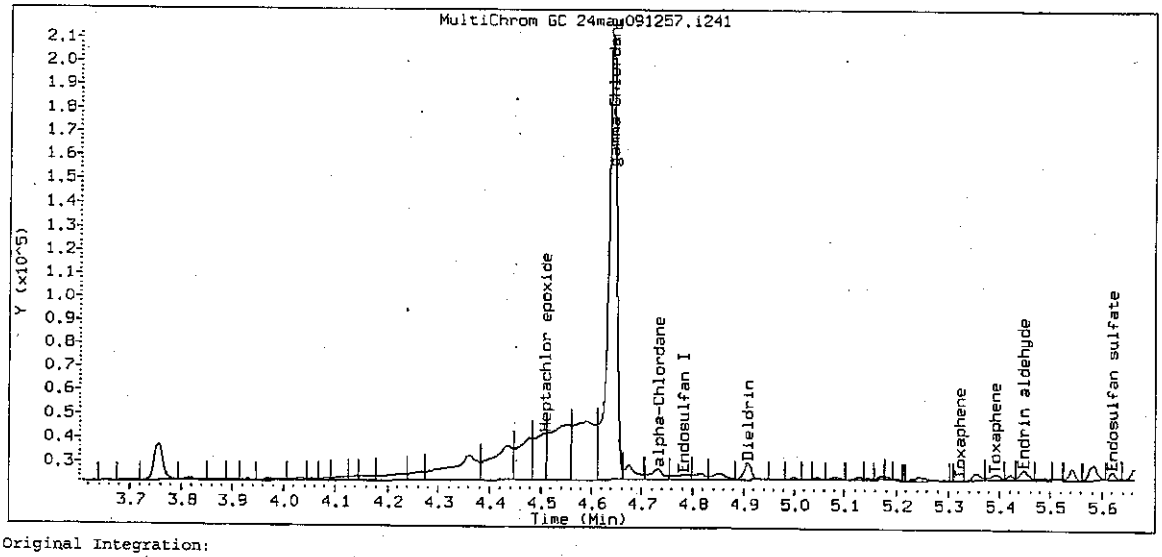
Peak RT	Expected RT	Target Compound
2.846	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
	4.509	Heptachlor epoxide
4.644	4.629	gamma-Chlordane
4.733	4.720	alpha-Chlordane
	4.760	Endosulfan I
	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
	5.355	4,4'-DDT
5.449	5.441	Endrin aldehyde
5.621	5.607	Endosulfan sulfate
	5.748	Methoxychlor
5.954	5.937	Endrin ketone
6.845	6.839	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2Q06
Compound Name: gamma-Chlordane

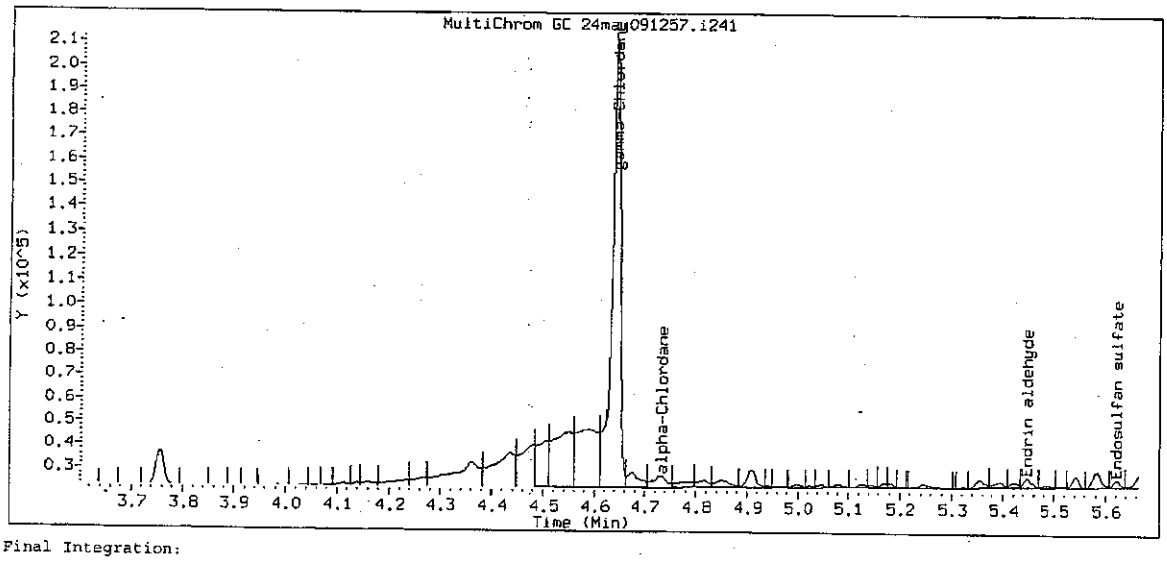
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_2.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.6439 Height = 188165



Final Integration:

RT = 4.6439 Height = 188398

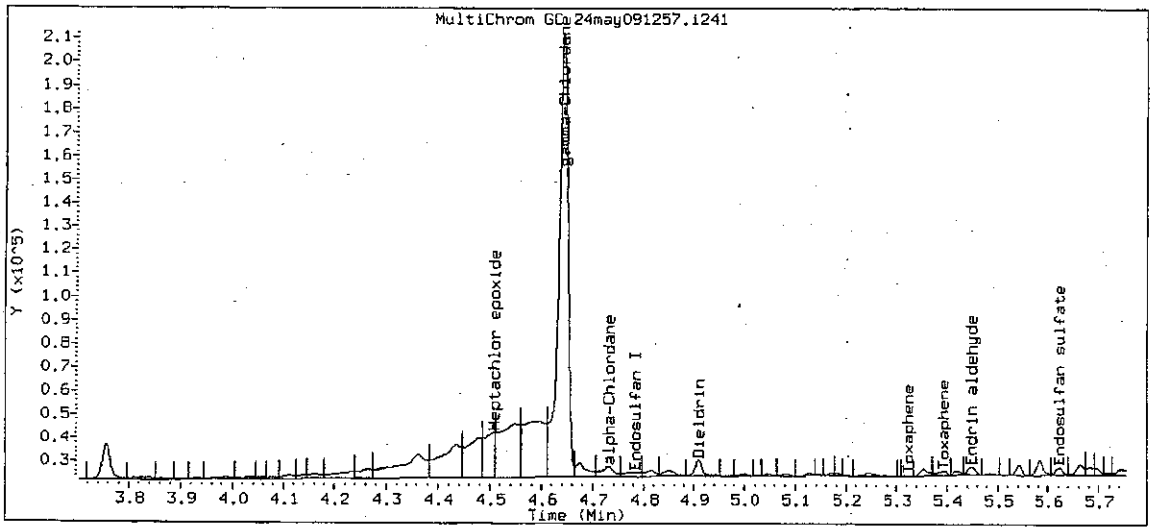
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: alpha-Chlordane

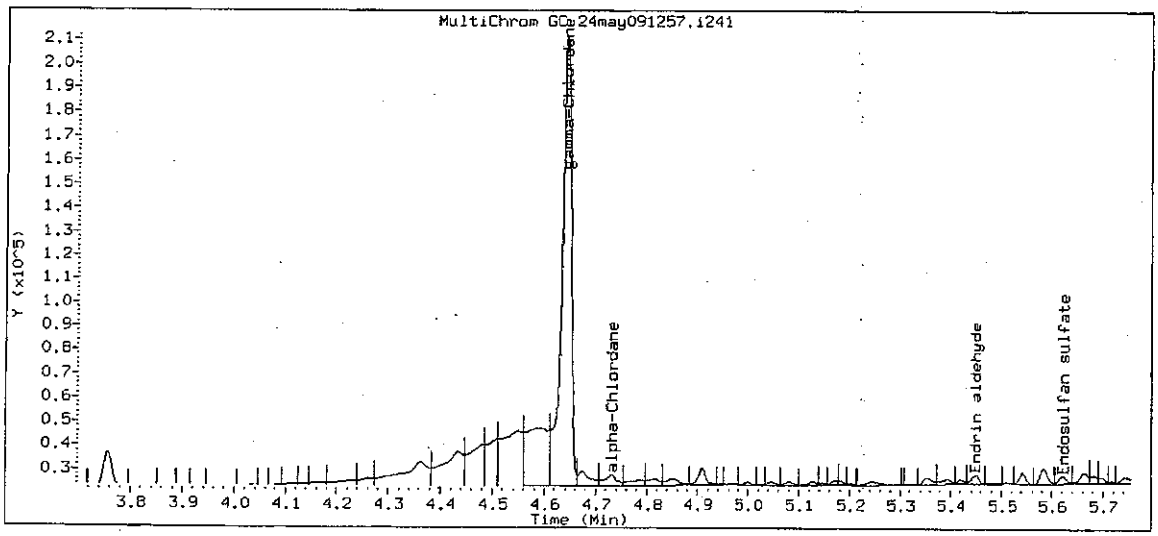
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_2.i
CAS #: 5103-71-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.7326 Height = 4419



Final Integration:

RT = 4.7326 Height = 4678

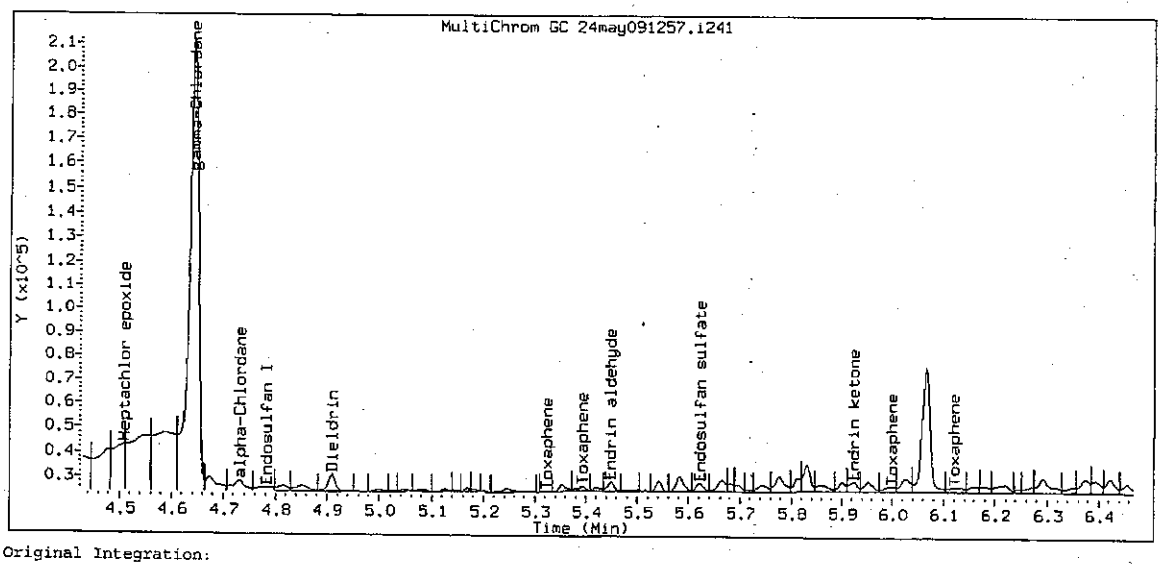
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2QQ6
Compound Name: Endrin aldehyde

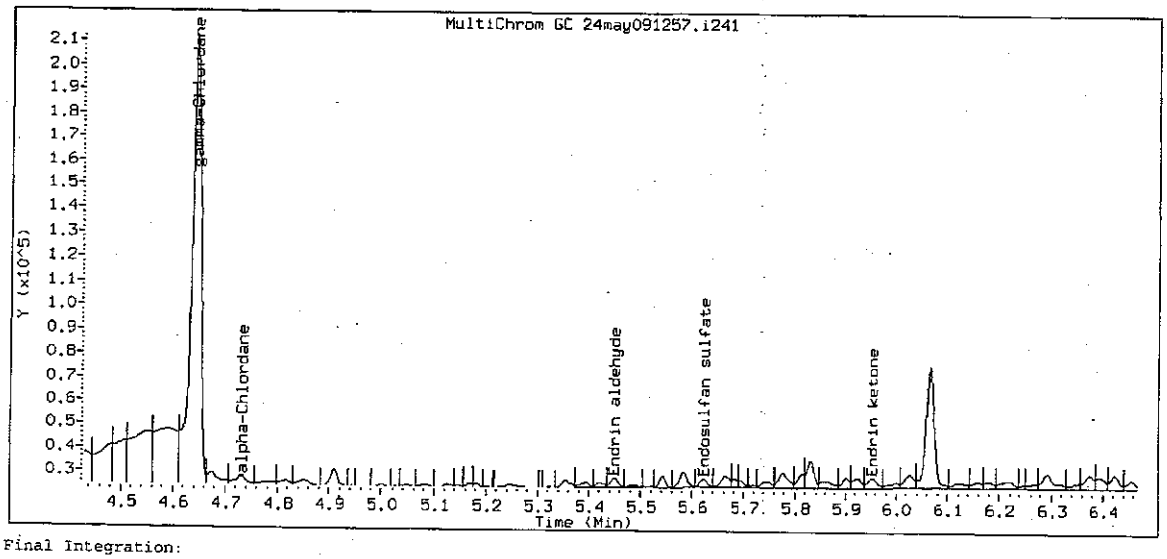
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_2.i
CAS #: 7421-93-4

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 5.4486 Height = 3674



Final Integration:

RT = 5.4486 Height = 3862

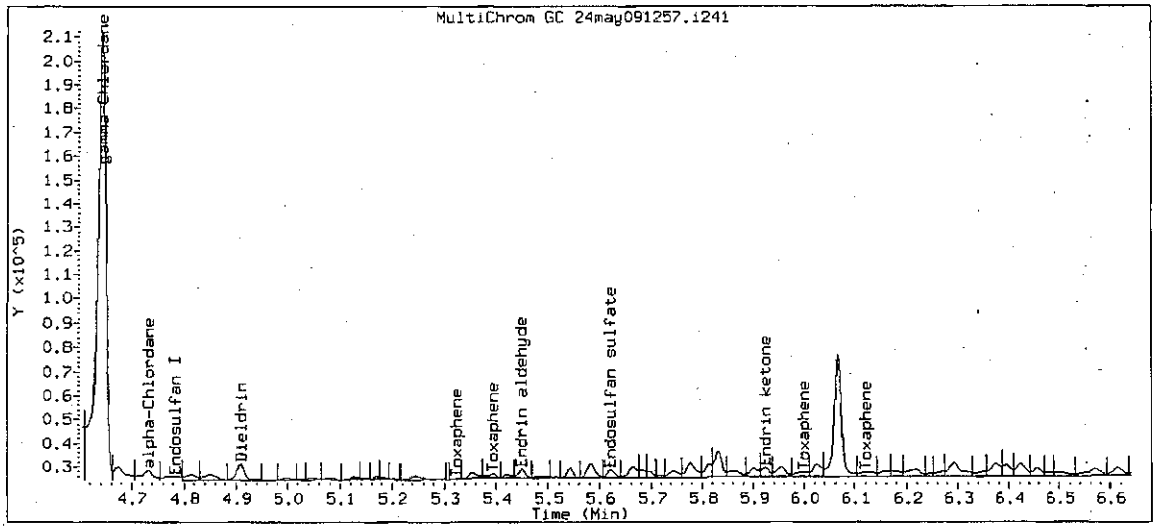
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2Q06
Compound Name: Endosulfan sulfate

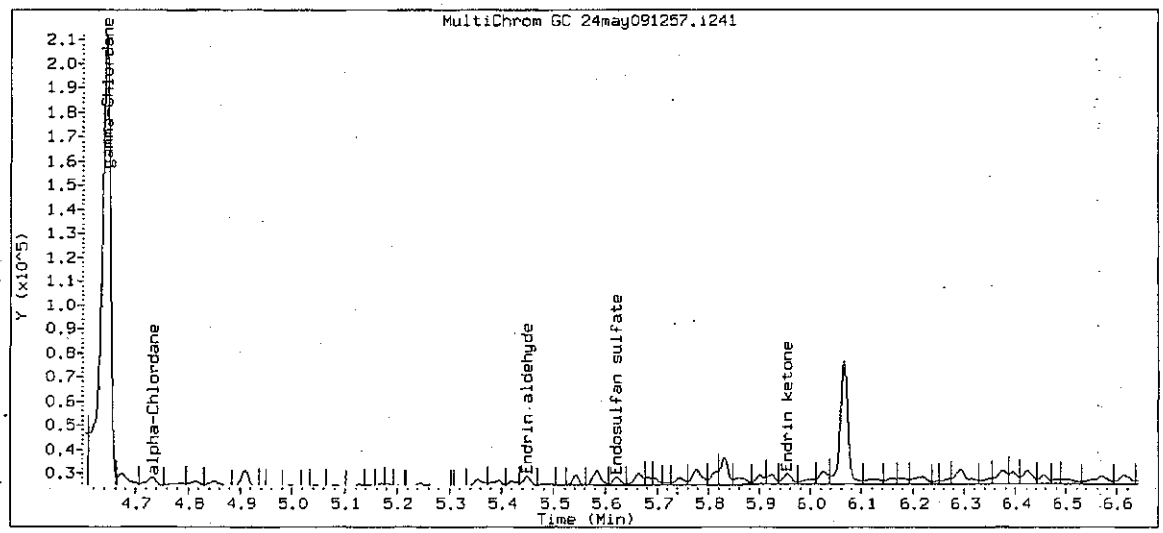
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_2.i
CAS #: 1031-07-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 5.6215 Height = 3140



Final Integration:

RT = 5.6215 Height = 3140

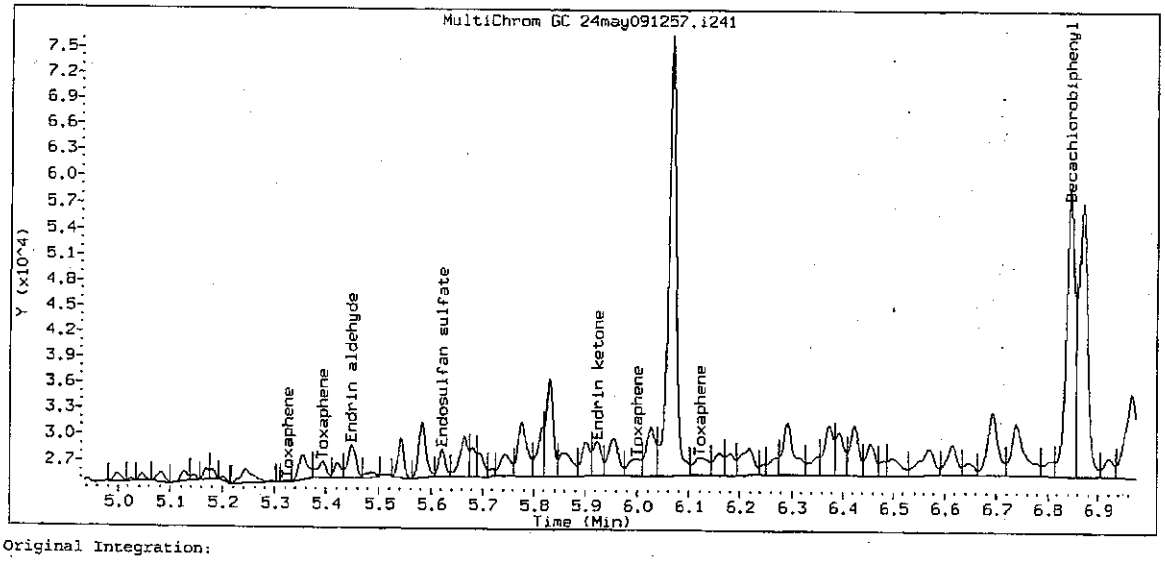
Manual Integration Reason: MI2 - Peak missed

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r241.d
Client Sample ID: E2Q06
Compound Name: Endrin ketone

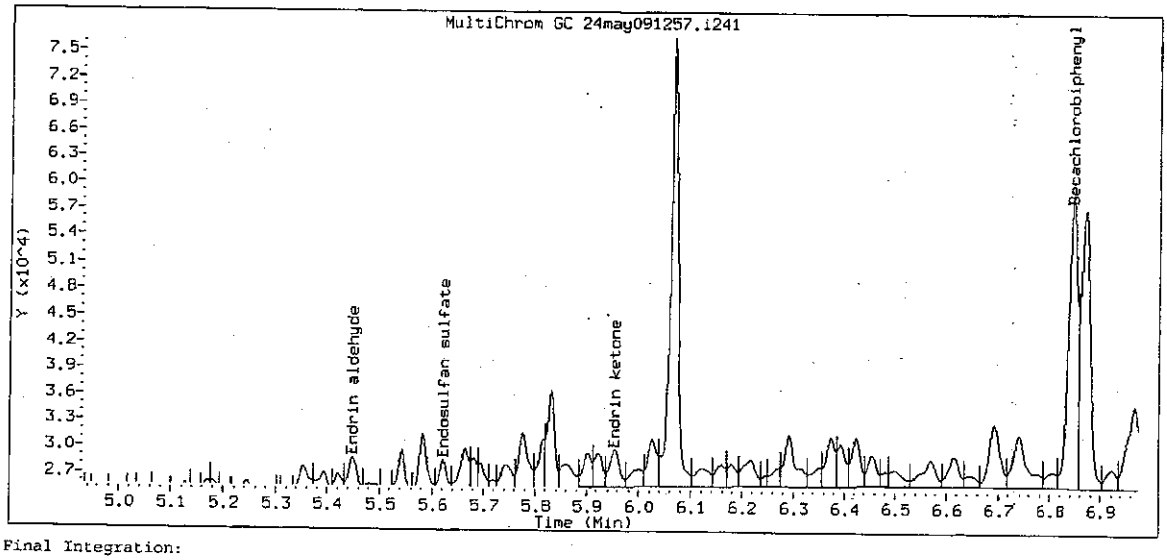
Inj. Date and Time: 24-MAY-2009 21:09
Instrument ID: 0825_2.i
CAS #: 53494-70-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 5.9229 Height = 3869



Final Integration:

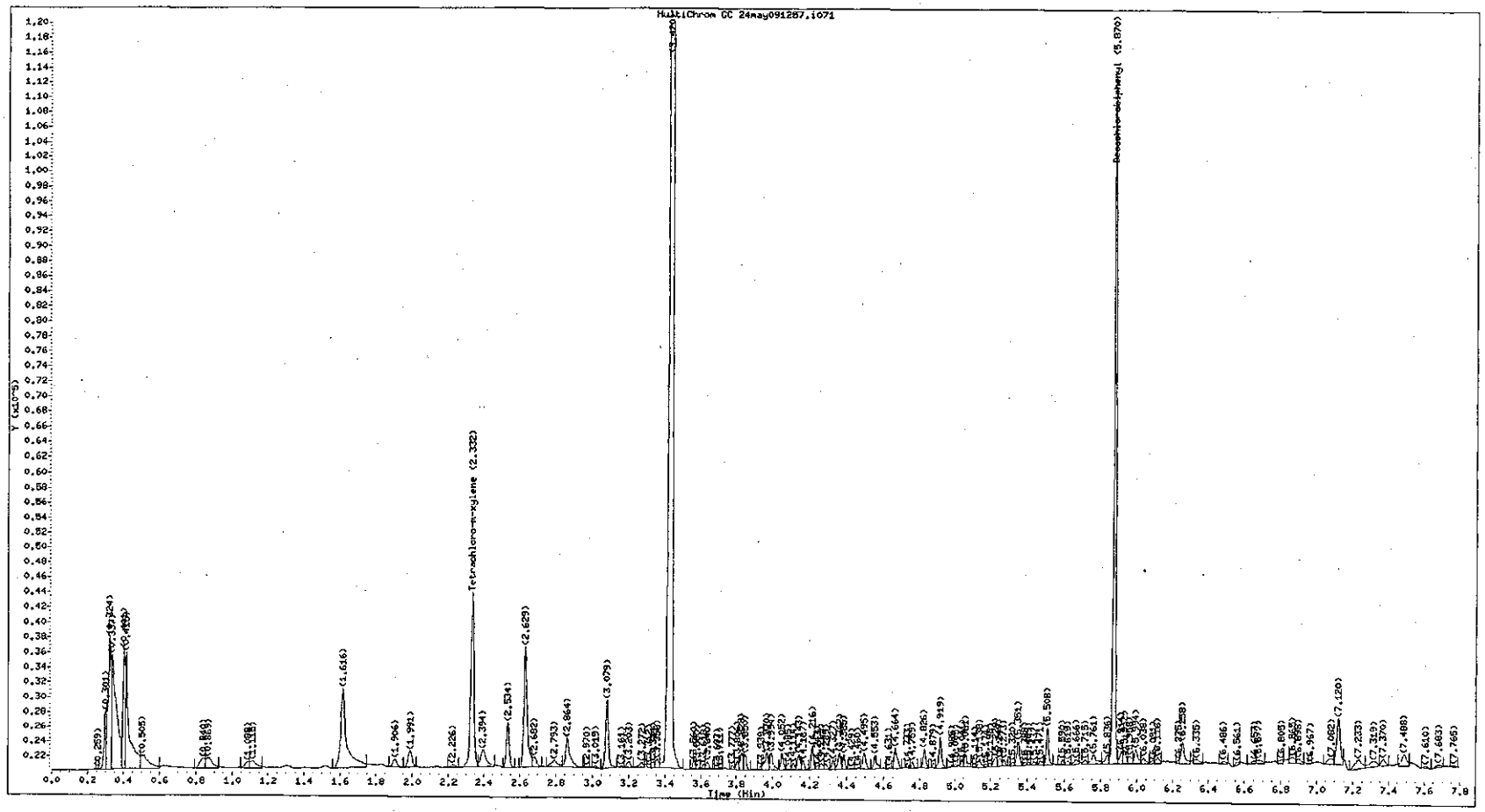
RT = 5.9540 Height = 4177

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794707	Client Sample ID: E2QQ7

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:52
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r071.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:39 jb3		



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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 24MAY091257-R071

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	7.7	U
319-85-7	beta-BHC	7.7	U
319-86-8	delta-BHC	7.7	U
58-89-9	gamma-BHC (Lindane)	7.7	U
76-44-8	Heptachlor	7.7	U
309-00-2	Aldrin	7.7	U
1024-57-3	Heptachlor epoxide	7.7	U
959-98-8	Endosulfan I	7.7	U
60-57-1	Dieldrin	15	U
72-55-9	4,4'-DDE	15	U
72-20-8	Endrin	15	U
33213-65-9	Endosulfan II	15	U
72-54-8	4,4'-DDD	15	U
1031-07-8	Endosulfan sulfate	15	U
50-29-3	4,4'-DDT	15	U
72-43-5	Methoxychlor	77	U
53494-70-5	Endrin ketone	15	U
7421-93-4	Endrin aldehyde	15	U
5103-71-9	alpha-Chlordane	7.7	U
5103-74-2	gamma-Chlordane	7.7	U
8001-35-2	Toxaphene	770	U

SOM01.2

TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794707 Client Sample ID: E2QQ7

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r071.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:39 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 17:52
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.259			139	287			
	2	0.301			5834	7929			
	3	0.324			21328	17981			
	4	0.337			29649	15518			
	5	0.401			13915	16265			
	6	0.415			22815	15781			
	7	0.505			5849	1793			
	8	0.840			2591	1320			
	9	0.869			3713	1420			
	10	1.088			1303	802			
	11	1.115			2491	945			
	12	1.616			25020	10761			
	13	1.906			1565	997			
	14	1.991			3257	2155			
	15	2.226			559	330			
$	16	2.332	2.347	-0.015	29417	23348	0.05389565		Tetrachloro-m-xylene
	17	2.394			5087	2242			
	18	2.534			6957	6144			
	19	2.629			21495	16227			
	20	2.682			1922	1286			
	21	2.793			2230	864			
	22	2.864			7014	3925			
	23	2.970			126	144			
	24	3.019			330	299			
	25	3.079			10383	9208			
	26	3.161			180	152			
	27	3.203			1035	741			
	28	3.272			1065	623			
	29	3.312			547	493			
	30	3.334			867	777			
	31	3.356			1490	1170			
	32	3.420			446750	417337			
	33	3.560			1087	1109			
	34	3.580			591	630			
	35	3.618			698	700			
	36	3.640			1041	954			
	37	3.693			111	137			
	38	3.711			171	240			
	39	3.777			594	613			
	40	3.806			1151	1229			
	41	3.828			2373	2325			
	42	3.850			2166	2102			
	43	3.939			363	533			
	44	3.970			3201	2348			
	45	3.994			2647	2203			
	46	4.052			2341	2242			
	47	4.085			1051	836			
	48	4.114			849	880			
	49	4.143			2156	2029			
	50	4.167			1071	1185			
	51	4.216			2688	3128			
	52	4.243			468	536			
	53	4.263			1003	842			
	54	4.289			870	782			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.327			1199	1264			
	56	4.362			2391	2185			
	57	4.385			1673	1982			
	58	4.429			119	141			
	59	4.460			164	215			
	60	4.495			2666	2170			
	61	4.553			2089	1846			
	62	4.631			220	267			
	63	4.664			3377	2794			
	64	4.733			455	613			
	65	4.759			751	835			
	66	4.826			2555	2524			
	67	4.879			414	590			
	68	4.919			4245	4258			
	69	4.985			236	258			
	70	5.005			341	375			
	71	5.041			758	1000			
	72	5.061			1719	1617			
	73	5.114			146	199			
	74	5.138			1287	1157			
	75	5.174			357	353			
	76	5.198			476	527			
	77	5.229			1531	1216			
	78	5.249			1298	997			
	79	5.273			799	804			
	80	5.320			461	549			
	81	5.351			3353	3242			
	82	5.389			409	434			
	83	5.409			309	359			
	84	5.437			547	457			
	85	5.471			672	473			
	86	5.508			4559	4958			
	87	5.590			555	641			
	88	5.619			620	456			
	89	5.666			1050	629			
	90	5.715			719	565			
	91	5.761			2473	1209			
	92	5.836			1659	1166			
$	93	5.870	5.883	-0.014	74258	89873	0.08859556		Decachlorobiphenyl
	94	5.914			1790	1671			
	95	5.932			2089	1825			
	96	5.958			1539	996			
	97	5.994			2612	1935			
	98	6.038			1201	799			
	99	6.091			466	340			
	100	6.116			1214	772			
	101	6.235			352	455			
	102	6.258			4002	2875			
	103	6.335			1197	544			
	104	6.486			488	273			
	105	6.561			598	406			
	106	6.657			558	330			
	107	6.677			907	424			
	108	6.805			802	471			
	109	6.865			1673	855			
	110	6.898			1189	645			
	111	6.967			134	164			
	112	7.082			1674	732			
	113	7.120			8816	6166			
	114	7.233			3260	1164			
	115	7.319			2164	669			
	116	7.370			1399	872			
	117	7.488			2985	1489			
	118	7.610			360	231			
	119	7.683			658	312			
	120	7.765			272	197			

Reported: 05/25/2009 16:39 jb3 24may091257-r071.d Page 2

TestAmerica Burlington - Target GC Injection Report

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

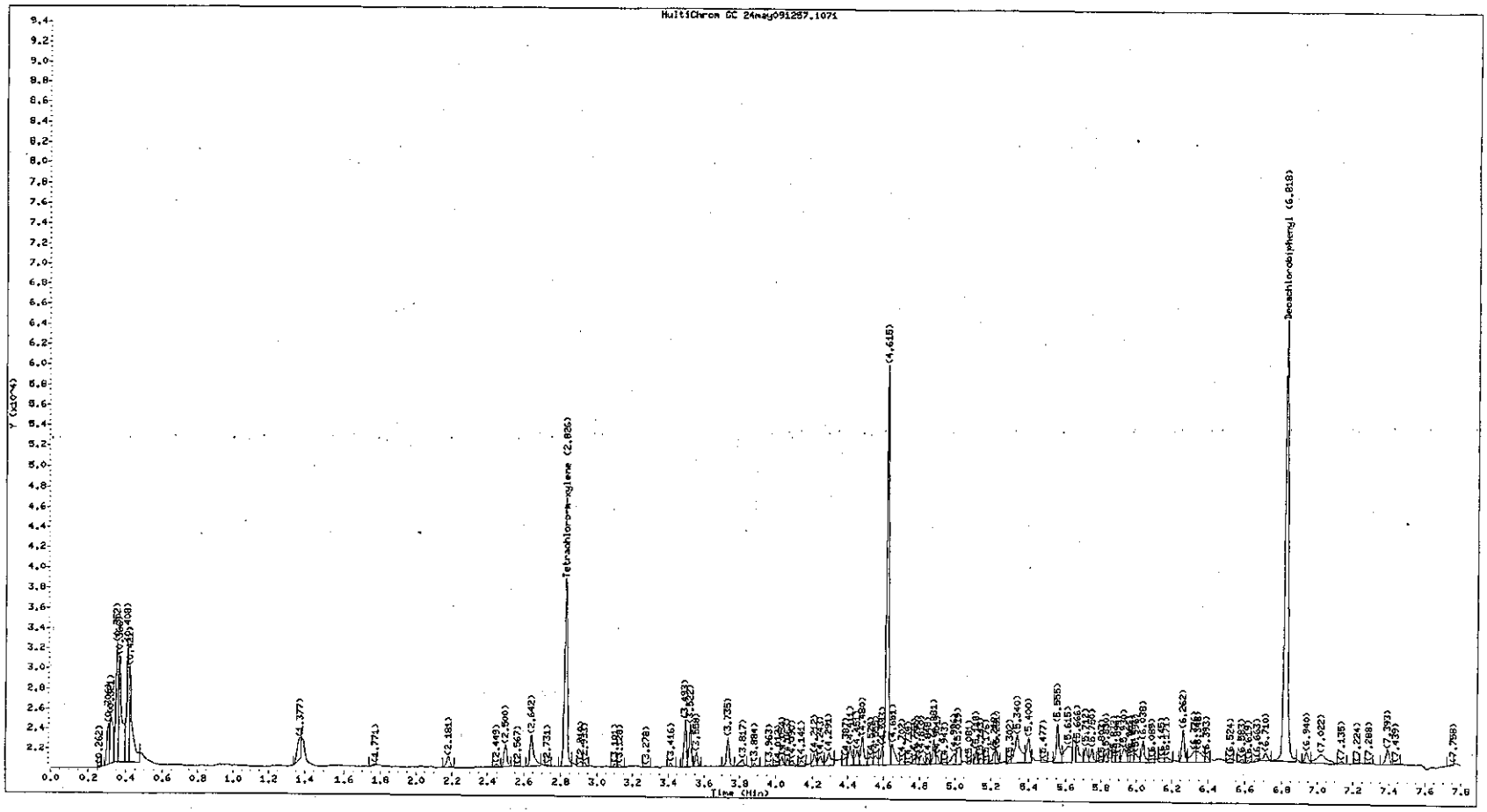
Target Compounds

Peak RT	Expected RT	Target Compound
2.332	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
	3.944	Heptachlor epoxide
	4.024	gamma-Chlordane
	4.108	alpha-Chlordane
	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate
	5.290	Endrin ketone
5.870	5.883	Decachlorobiphenyl

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794707	Client Sample ID: E2QQ7

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 17:52
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r071.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:10 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794707 Client Sample ID: E2QQ7

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r071.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:10 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 17:52
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.262			101	229			
	2	0.306			3749	4095			
	3	0.321			5609	4874			
	4	0.352			10114	11871			
	5	0.366			12001	10568			
	6	0.408			9815	11866			
	7	0.421			11206	9505			
	8	1.377			2906	2054			
	9	1.771			221	136			
	10	2.181			1504	1083			
	11	2.449			373	311			
	12	2.500			2607	2177			
	13	2.567			102	122			
	14	2.642			4679	3132			
	15	2.731			187	168			
$	16	2.826	2.847	-0.021	19784	18609	0.04943647		Tetrachloro-m-xylene
	17	2.910			697	513			
	18	2.933			397	393			
	19	3.101			319	342			
	20	3.128			326	266			
	21	3.278			198	161			
	22	3.416			336	374			
	23	3.493			4251	4687			
	24	3.522			3951	4160			
	25	3.558			1248	1345			
	26	3.735			3066	2837			
	27	3.817			1096	666			
	28	3.884			355	379			
	29	3.963			229	206			
	30	4.012			139	121			
	31	4.034			737	910			
	32	4.063			558	685			
	33	4.090			711	520			
	34	4.141			817	519			
	35	4.212			1361	1149			
	36	4.243			1426	961			
	37	4.291			2437	1241			
	38	4.387			1251	798			
	39	4.411			2571	1938			
	40	4.451			2110	1494			
	41	4.480			3760	2777			
	42	4.529			1402	839			
	43	4.555			1507	940			
	44	4.593			1833	1775			
	45	4.615			35874	39332			
	46	4.651			3220	2026			
	47	4.702			778	591			
	48	4.739			580	311			
	49	4.772			576	621			
	50	4.790			769	921			
	51	4.810			1121	923			
	52	4.848			539	713			
	53	4.881			2161	2423			
	54	4.901			832	866			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.943			359	255			
56	4.996			1743	1071			
57	5.019			2545	1703			
58	5.081			361	363			
59	5.118			1143	1304			
60	5.143			762	632			
61	5.176			504	421			
62	5.218			1133	1090			
63	5.231			1237	1309			
64	5.302			408	389			
65	5.340			5799	2699			
66	5.400			3116	2440			
67	5.477			515	265			
68	5.555			4341	3792			
69	5.615			4681	1567			
70	5.666			2558	1676			
71	5.712			1682	1381			
72	5.750			1563	1306			
73	5.803			294	242			
74	5.830			998	918			
75	5.872			795	681			
76	5.894			855	713			
77	5.930			2158	1289			
78	5.961			652	677			
79	5.974			881	752			
80	5.996			1389	818			
81	6.038			2508	2048			
82	6.089			614	374			
83	6.145			888	443			
84	6.171			931	478			
85	6.262			3455	3182			
86	6.326			2200	1085			
87	6.346			2535	1084			
88	6.393			823	616			
89	6.524			743	382			
90	6.583			456	345			
91	6.619			201	216			
92	6.663			316	250			
93	6.710			1233	749			
$ 94	6.818	6.839	-0.020	53773	43248	0.09163755		Decachlorobiphenyl
95	6.940			1425	999			
96	7.022			3526	841			
97	7.135			434	236			
98	7.224			134	118			
99	7.288			202	159			
100	7.393			2182	1474			
101	7.439			161	112			
102	7.758			237	177			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
2.826	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
	4.509	Heptachlor epoxide
	4.629	gamma-Chlordane

Reported: 05/25/2009 17:10 jb3 24may091257-r071.d Page 2

TestAmerica Burlington - Target GC Injection Report

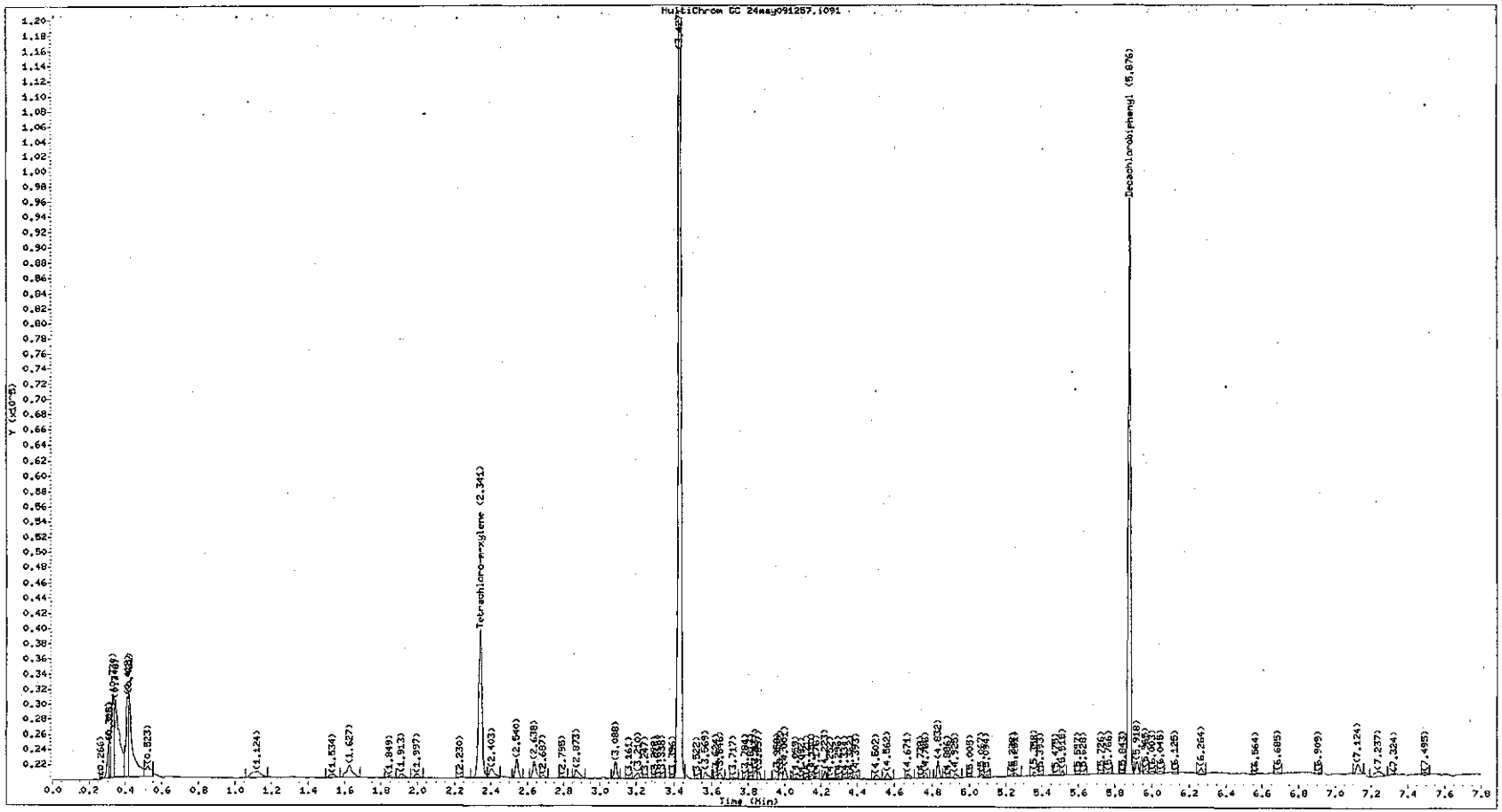
Peak RT	Expected RT	Target Compound
	4.720	alpha-Chlordane
	4.760	Endosulfan I
	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.818	6.839	Decachlorobiphenyl

Reported: 05/25/2009 17:10 jb3 24may091257-r071.d Page 3

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794708	Client Sample ID: E2QQ8

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 18:15
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r091.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:39 jb3		



1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R091

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	8.4	U
319-85-7	beta-BHC	8.4	U
319-86-8	delta-BHC	8.4	U
58-89-9	gamma-BHC (Lindane)	8.4	U
76-44-8	Heptachlor	8.4	U
309-00-2	Aldrin	8.4	U
1024-57-3	Heptachlor epoxide	8.4	U
959-98-8	Endosulfan I	8.4	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	84	U
53494-70-5	Endrin ketone	16	U
7421-93-4	Endrin aldehyde	16	U
5103-71-9	alpha-Chlordane	8.4	U
5103-74-2	gamma-Chlordane	8.4	U
8001-35-2	Toxaphene	840	U

SOM01.2

TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794708 Client Sample ID: E2QQ8

Matrix : SOIL
Analyst : JB3
Instrument : 0825_1.i
Column : RTX-CLP
Integrator : Falcon
Data File : 24may091257-r091.d
Method : /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m
Reported : 25-May-2009 16:39 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 18:15
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.266			129	290			
	2	0.308			3292	4715			
	3	0.315			1882	4763			
	4	0.330			11336	11141			
	5	0.346			18876	10291			
	6	0.412			10088	10674			
	7	0.421			16637	10994			
	8	0.523			2911	1445			
	9	1.124			2882	777			
	10	1.534			1024	444			
	11	1.627			3823	1595			
	12	1.849			455	271			
	13	1.913			950	552			
	14	1.997			856	533			
	15	2.230			187	148			
$	16	2.341	2.347	-0.006	25138	19517	0.04505231		Tetrachloro-m-xylene
	17	2.403			2469	1198			
	18	2.540			2957	2529			
	19	2.638			2916	2202			
	20	2.687			490	357			
	21	2.795			332	212			
	22	2.873			1895	1106			
	23	3.088			2178	2097			
	24	3.161			111	104			
	25	3.210			1129	753			
	26	3.247			126	166			
	27	3.298			173	194			
	28	3.316			279	288			
	29	3.338			300	298			
	30	3.396			168	196			
	31	3.427			127803	132654			
	32	3.522			112	135			
	33	3.569			1306	1001			
	34	3.624			490	562			
	35	3.646			955	801			
	36	3.717			357	270			
	37	3.784			526	550			
	38	3.813			588	624			
	39	3.837			1253	1241			
	40	3.857			1017	1049			
	41	3.959			738	704			
	42	3.977			1104	1076			
	43	4.001			1641	1588			
	44	4.059			313	295			
	45	4.092			125	130			
	46	4.121			401	400			
	47	4.150			693	689			
	48	4.176			357	427			
	49	4.223			992	1175			
	50	4.252			350	188			
	51	4.296			348	329			
	52	4.334			267	332			
	53	4.362			403	416			
	54	4.393			574	667			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	4.502			884	612			
	56	4.562			1048	859			
	57	4.671			830	683			
	58	4.739			137	190			
	59	4.766			643	724			
	60	4.832			2033	2338			
	61	4.886			140	196			
	62	4.925			855	610			
	63	5.005			124	139			
	64	5.067			412	534			
	65	5.094			345	408			
	66	5.238			404	353			
	67	5.251			654	469			
	68	5.358			635	602			
	69	5.393			204	250			
	70	5.475			131	106			
	71	5.515			648	707			
	72	5.597			167	215			
	73	5.628			141	138			
	74	5.726			224	223			
	75	5.766			508	359			
	76	5.843			226	196			
$	77	5.876	5.883	-0.007	62406	75225	0.07415577		Decachlorobiphenyl
	78	5.918			1685	1590			
	79	5.965			849	658			
	80	6.003			624	411			
	81	6.045			689	437			
	82	6.125			620	371			
	83	6.264			1289	809			
	84	6.564			146	143			
	85	6.685			549	304			
	86	6.909			359	227			
	87	7.124			1993	1307			
	88	7.237			2063	716			
	89	7.324			317	184			
	90	7.495			601	319			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
2.341	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
	3.072	beta-BHC
	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
	3.944	Heptachlor epoxide
	4.024	gamma-Chlordane
	4.108	alpha-Chlordane
	4.159	4,4'-DDE
	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate

Reported: 05/25/2009 16:39 jb3 24may091257-r091.d Page 2

TestAmerica Burlington - Target GC Injection Report

Peak RT	Expected RT	Target Compound
	5.290	Endrin ketone
5.876	5.883	Decachlorobiphenyl

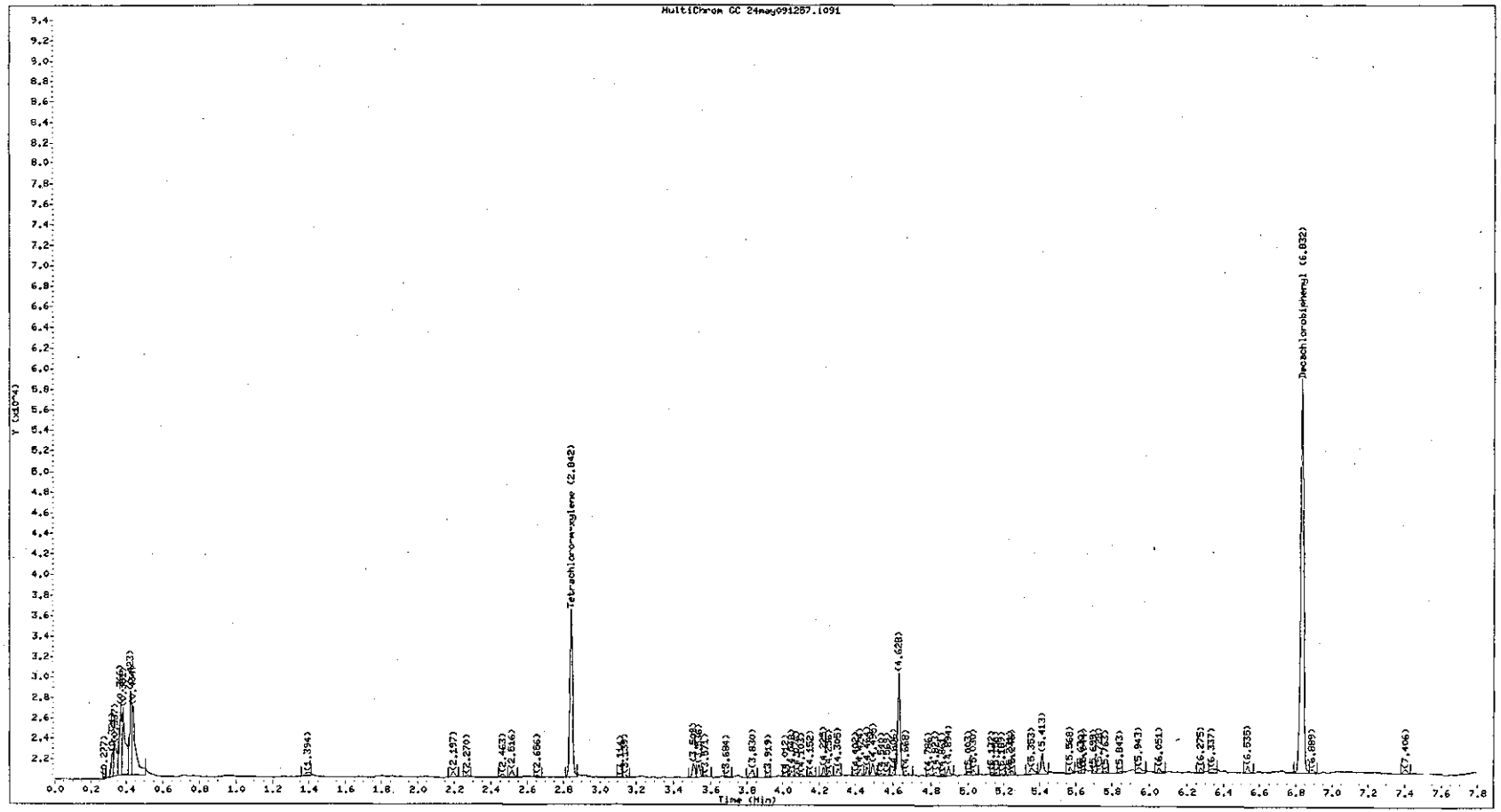
Reported: 05/25/2009 16:39 jb3 24may091257-r091.d Page 3

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794708	Client Sample ID: E2QQ8

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 18:15
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 1.0
Integrator	: Falcon	Compound Sublist	: all

Data File : 24may091257-r091.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:10 jb3



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794708 Client Sample ID: E2QQ8

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r091.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:10 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 18:15
Injection Vol. (ul): 1.0
Dilution Factor : 1.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.277			106	205			
	2	0.321			2184	2320			
	3	0.337			3739	3085			
	4	0.366			6076	6791			
	5	0.381			8263	6531			
	6	0.423			6815	8175			
	7	0.434			9086	6743			
	8	1.394			622	274			
	9	2.197			670	490			
	10	2.270			223	204			
	11	2.463			361	291			
	12	2.516			801	640			
	13	2.656			259	198			
$	14	2.842	2.847	-0.006	17400	16385	0.04352822		Tetrachloro-m-xylene
	15	3.114			113	125			
	16	3.139			237	216			
	17	3.509			1260	1357			
	18	3.536			1195	1193			
	19	3.571			275	269			
	20	3.684			128	131			
	21	3.830			985	735			
	22	3.919			180	192			
	23	4.012			124	153			
	24	4.048			524	651			
	25	4.076			437	502			
	26	4.103			359	318			
	27	4.152			544	514			
	28	4.225			711	836			
	29	4.256			496	522			
	30	4.305			729	727			
	31	4.402			288	303			
	32	4.424			624	651			
	33	4.464			762	841			
	34	4.495			1157	1159			
	35	4.540			302	239			
	36	4.569			252	224			
	37	4.606			451	579			
	38	4.628			9495	9997			
	39	4.668			676	481			
	40	4.786			345	279			
	41	4.823			399	397			
	42	4.861			193	273			
	43	4.894			895	940			
	44	5.003			393	312			
	45	5.030			507	487			
	46	5.132			200	291			
	47	5.156			185	242			
	48	5.189			159	207			
	49	5.231			153	266			
	50	5.245			390	428			
	51	5.353			1107	561			
	52	5.413			2168	1979			
	53	5.568			699	591			
	54	5.630			247	256			

TestAmerica Burlington - Target GC Injection Report

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	55	5.644			393	371			
	56	5.699			309	297			
	57	5.728			617	462			
	58	5.763			207	211			
	59	5.843			187	170			
	60	5.943			1119	487			
	61	6.051			696	481			
	62	6.275			546	517			
	63	6.337			936	400			
	64	6.535			798	656			
$	65	6.832	6.839	-0.007	44368	38176	0.08089057		Decachlorobiphenyl
	66	6.889			481	327			
	67	7.406			578	382			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
2.842	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
	3.652	beta-BHC
	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
	4.509	Heptachlor epoxide
	4.629	gamma-Chlordane
	4.720	alpha-Chlordane
	4.760	Endosulfan I
	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.832	6.839	Decachlorobiphenyl

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 24MAY091257-R281

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

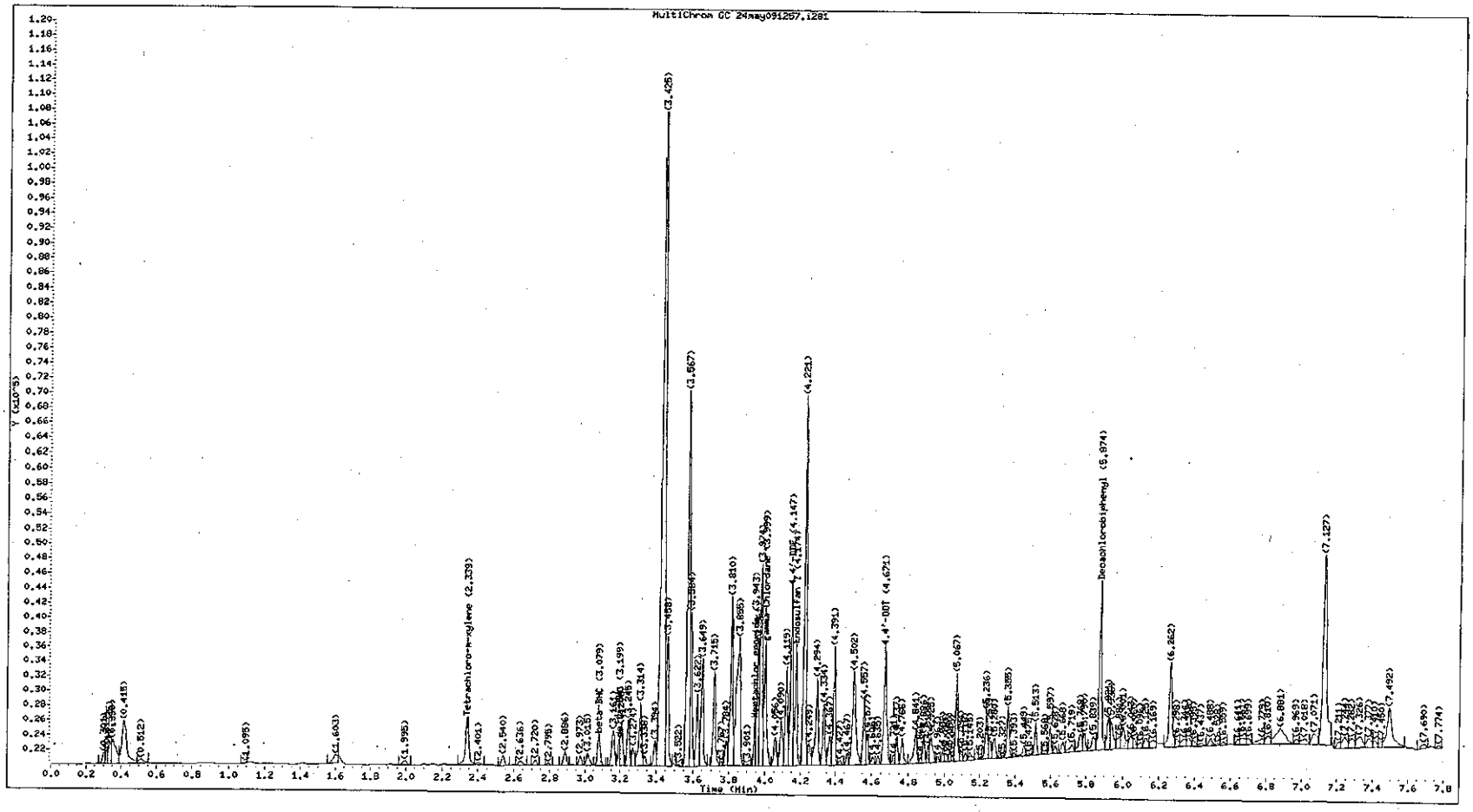
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	15	JP
319-86-8	delta-BHC	12	JP
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	20	P
959-98-8	Endosulfan I	12	JP
60-57-1	Dieldrin	30	U
72-55-9	4,4'-DDE	73	
72-20-8	Endrin	30	U
33213-65-9	Endosulfan II	30	U
72-54-8	4,4'-DDD	30	U
1031-07-8	Endosulfan sulfate	30	U
50-29-3	4,4'-DDT	52	
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	30	U
7421-93-4	Endrin aldehyde	30	U
5103-71-9	alpha-Chlordane	16	U
5103-74-2	gamma-Chlordane	52	P
8001-35-2	Toxaphene	1600	U

SOM01.2

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794709	Client Sample ID: E2QR1

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 21:56
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 3.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r281.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:41 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794709 Client Sample ID: E2QR1

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 21:56
Instrument	: 0825_1.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLP	Dilution Factor	: 3.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r281.d		
Method	: /var/chem/0825_1.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLP_2009.m		
Reported	: 25-May-2009 16:41 jb3		

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.301			1494	1547			
	2	0.317			1556	1787			
	3	0.335			3045	3100			
	4	0.350			5934	3268			
	5	0.415			12268	5798			
	6	0.512			1485	595			
	7	1.095			248	182			
	8	1.603			2169	1130			
	9	1.995			1013	609			
$	10	2.339	2.347	-0.008	8717	6522	0.01505514		Tetrachloro-m-xylene
	11	2.401			499	274			
	12	2.540			1735	1467			
	13	2.636			1041	642			
	14	2.720			751	745			
	15	2.795			342	324			
	16	2.886			2242	1833			
	17	2.973			1481	1374			
	18	3.015			2479	1747			
	19	3.079	3.072	0.006	4923	4378	0.01151976	M	beta-BHC
	20	3.161			5832	4773			
	21	3.199	3.197	0.002	2905	3919	0.00402823	aM	delta-BHC
	22	3.208			6204	5907		M	
	23	3.245			6112	6268			
	24	3.274			2766	2520			
	25	3.314			9598	8617			
	26	3.338			1710	1442			
	27	3.394			3181	3357			
	28	3.425			115558	87687			
	29	3.458			17013	17591			
	30	3.522			294	333			
	31	3.567			48909	50528			
	32	3.584			17278	20990			
	33	3.622			9443	9761			
	34	3.649			14443	14575			
	35	3.715			11624	12657			
	36	3.757			527	614			
	37	3.784			3153	3403			
	38	3.810			21441	22939			
	39	3.855			27792	17397			
	40	3.901			326	235			
	41	3.943	3.944	0.000	4131	6366	0.00640278	M	Heptachlor epoxide
	42	3.961			14080	16921			
	43	3.974			28654	27334			
	44	3.999	4.024	-0.025	16892	16877	0.01694967	M	gamma-Chlordane
	45	4.056			4357	3898			
	46	4.090			6995	5970			
	47	4.119			12753	13338			
	48	4.147	4.159	-0.011	22042	24362	0.02397377	M	4,4'-DDE
	49	4.174	4.189	-0.015	14437	16470	0.01744888	M	Endosulfan I
	50	4.221			40924	49627			
	51	4.249			3417	2913			
	52	4.294			13199	11740			
	53	4.334			7572	8239			
	54	4.367			4509	3928			

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.391			13429	16058			
56	4.427			653	614			
57	4.467			1353	1592			
58	4.502			17163	12511			
59	4.557			7386	8537			
60	4.577			3634	4126			
61	4.606			903	1123			
62	4.635			960	1168			
63	4.671	4.693	-0.022	17307	16061	0.01701010	M	4,4'-DDT
64	4.721			1060	1286			
65	4.737			3253	3769			
66	4.766			3569	3462			
67	4.841			5298	4253			
68	4.866			623	800			
69	4.886			3156	3781			
70	4.910			1678	2358			
71	4.925			4415	3465			
72	4.963			692	825			
73	4.992			1374	1476			
74	5.010			1194	1175			
75	5.030			1092	1254			
76	5.045			702	913			
77	5.067			9874	11765			
78	5.094			1267	1443			
79	5.118			1079	1082			
80	5.145			1284	1021			
81	5.203			214	284			
82	5.236			5810	6525			
83	5.253			2374	2790			
84	5.280			2826	2624			
85	5.327			240	323			
86	5.355			6238	6744			
87	5.393			495	609			
88	5.449			1426	1292			
89	5.475			343	311			
90	5.513			3554	4172			
91	5.568			138	170			
92	5.597			2980	3617			
93	5.626			960	964			
94	5.668			1533	1400			
95	5.719			1488	947			
96	5.768			3095	2293			
97	5.790			2411	2366			
98	5.839			2583	1810			
$ 99	5.874	5.883	-0.009	21130	22933	0.02260703		Decachlorobiphenyl
100	5.921			4316	4078			
101	5.936			4201	3677			
102	5.981			2297	1608			
103	6.001			4077	2839			
104	6.043			2205	1695			
105	6.060			1366	1347			
106	6.096			1056	702			
107	6.125			2004	1319			
108	6.169			2004	958			
109	6.262			13588	11380			
110	6.298			1323	1027			
111	6.344			1792	934			
112	6.368			1461	1055			
113	6.395			1015	710			
114	6.437			622	327			
115	6.488			1291	925			
116	6.528			277	245			
117	6.559			607	467			
118	6.641			821	738			
119	6.661			1660	880			
120	6.699			1270	833			
121	6.779			2006	738			
122	6.810			1963	1111			
123	6.881			8105	2089			
124	6.969			1008	697			
125	7.018			1697	695			

Reported: 05/25/2009 16:41 jb3 24may091257-r281.d Page 2

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
126	7.071			3180	1442			
127	7.127			39058	25708			
128	7.211			1227	832			
129	7.244			2766	1430			
130	7.282			2404	1286			
131	7.326			3552	1468			
132	7.377			2186	1181			
133	7.410			1254	837			
134	7.450			867	726			
135	7.492			11612	5269			
136	7.690			1121	588			
137	7.774			401	275			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

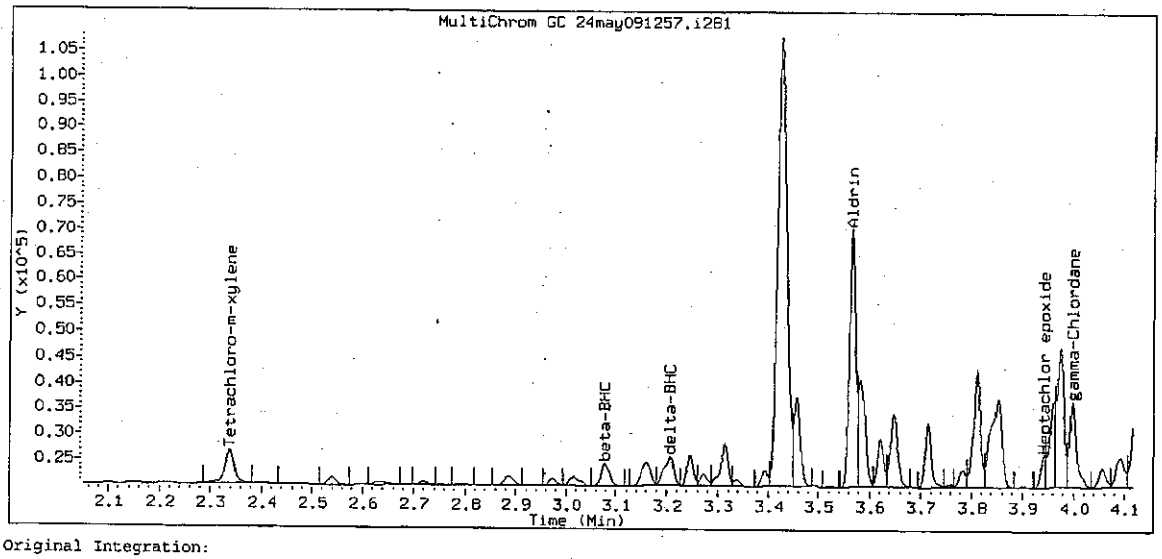
Peak RT	Expected RT	Target Compound
2.339	2.347	Tetrachloro-m-xylene
	2.778	alpha-BHC
	3.008	gamma-BHC (Lindane)
3.079	3.072	beta-BHC
3.199	3.197	delta-BHC
	3.343	Heptachlor
	3.547	Aldrin
3.943	3.944	Heptachlor epoxide
3.999	4.024	gamma-Chlordane
	4.108	alpha-Chlordane
4.147	4.159	4,4'-DDE
4.174	4.189	Endosulfan I
	4.339	Dieldrin
	4.480	Endrin
	4.524	4,4'-DDD
	4.612	Toxaphene
	4.617	Endosulfan II
4.671	4.693	4,4'-DDT
	4.867	Endrin aldehyde
	4.984	Methoxychlor
	5.124	Endosulfan sulfate
	5.290	Endrin ketone
5.874	5.883	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: beta-BHC

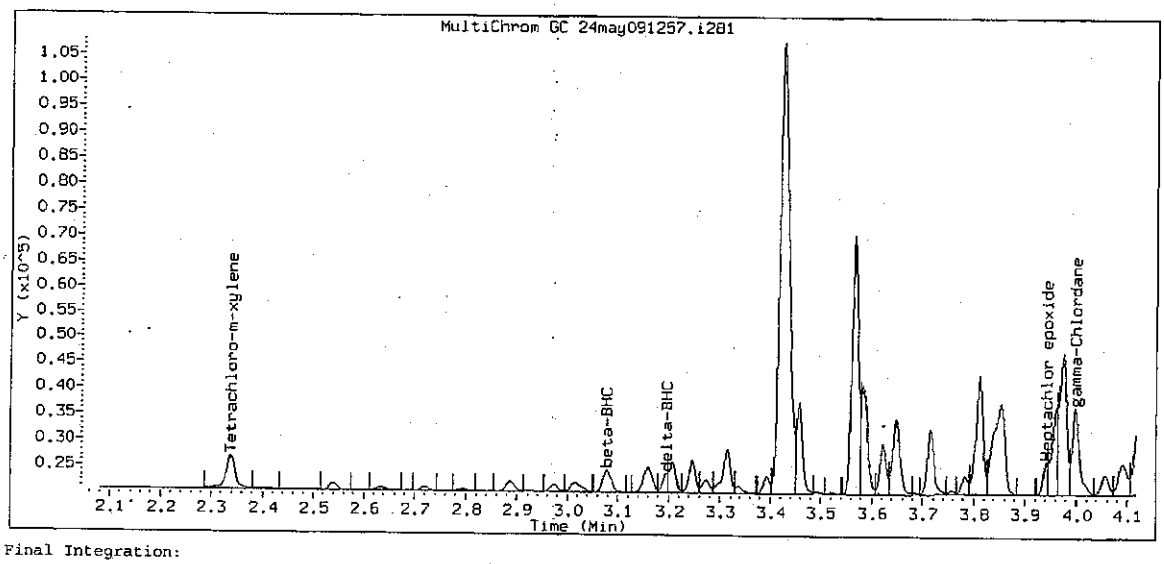
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 319-85-7

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 3.0789 Height = 4360



Final Integration:

RT = 3.0789 Height = 4378

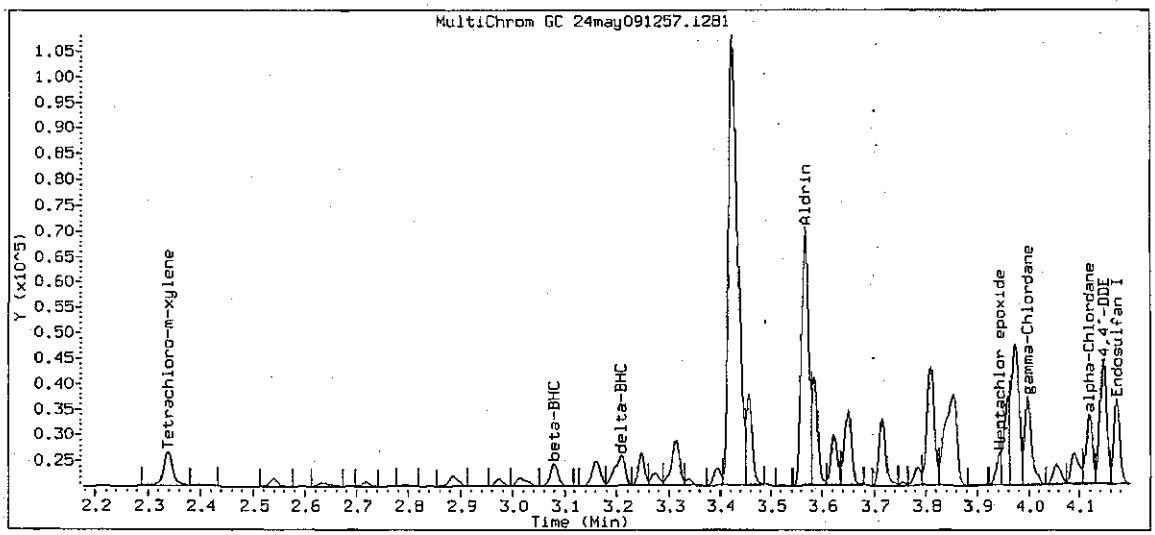
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: delta-BHC

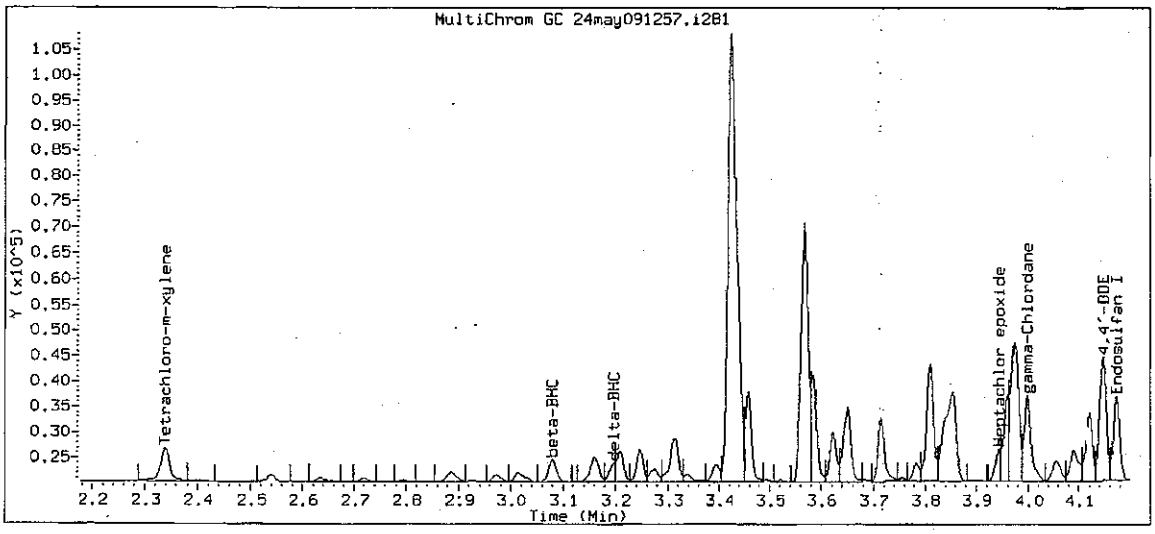
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 319-86-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 3.2075 Height = 5689



Final Integration:

RT = 3.1987 Height = 3919

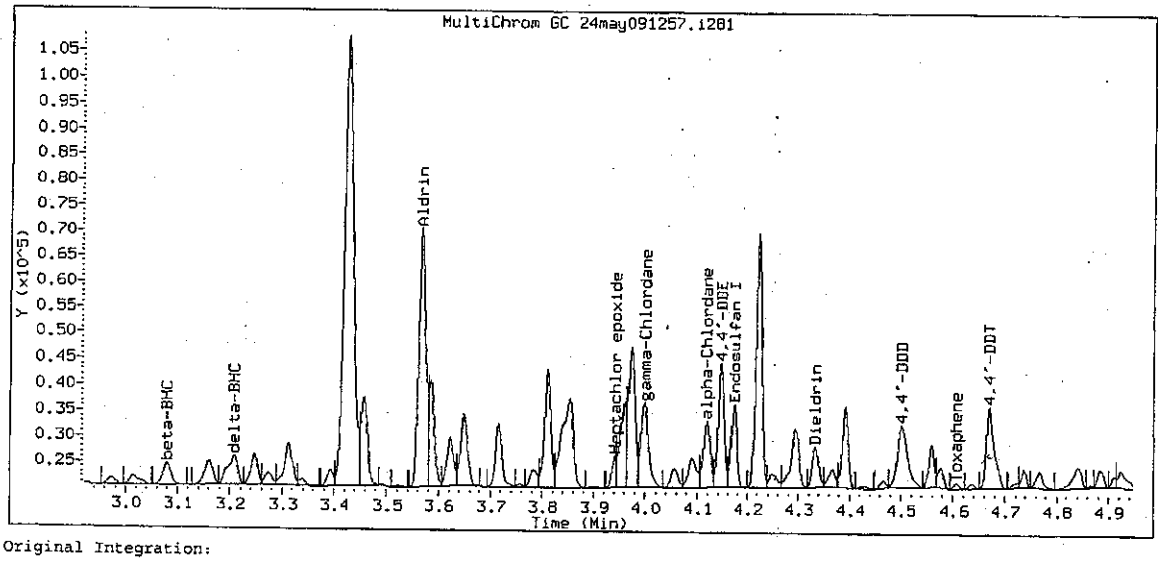
Manual Integration Reason: MI3 - Mis-identification of peak

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: Heptachlor epoxide

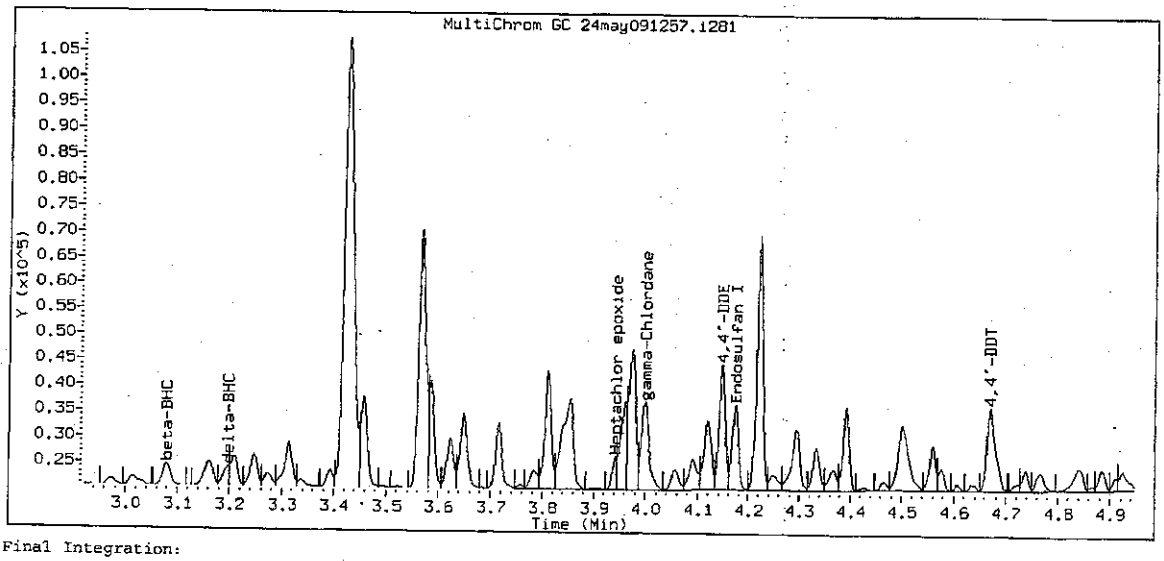
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 3.9434 Height = 6196



Final Integration:

RT = 3.9434 Height = 6366

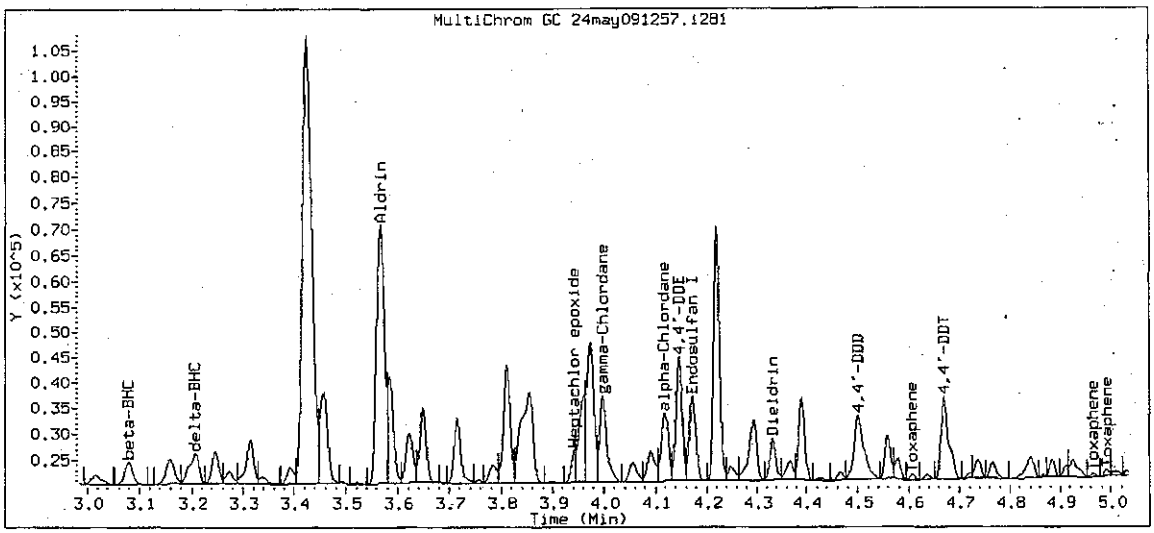
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: gamma-Chlordane

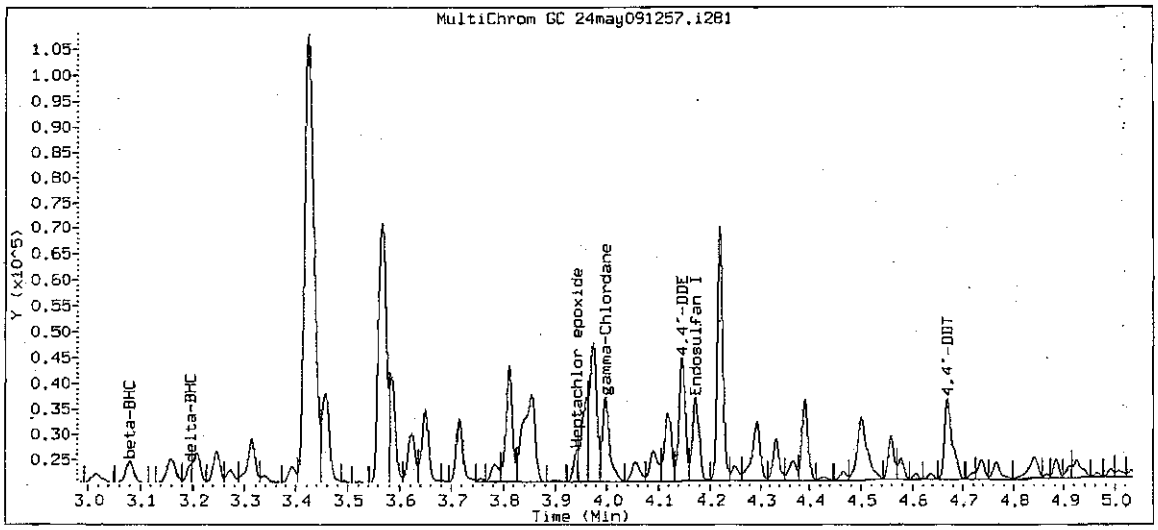
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 3.9989 Height = 16698



Final Integration:

RT = 3.9989 Height = 16877

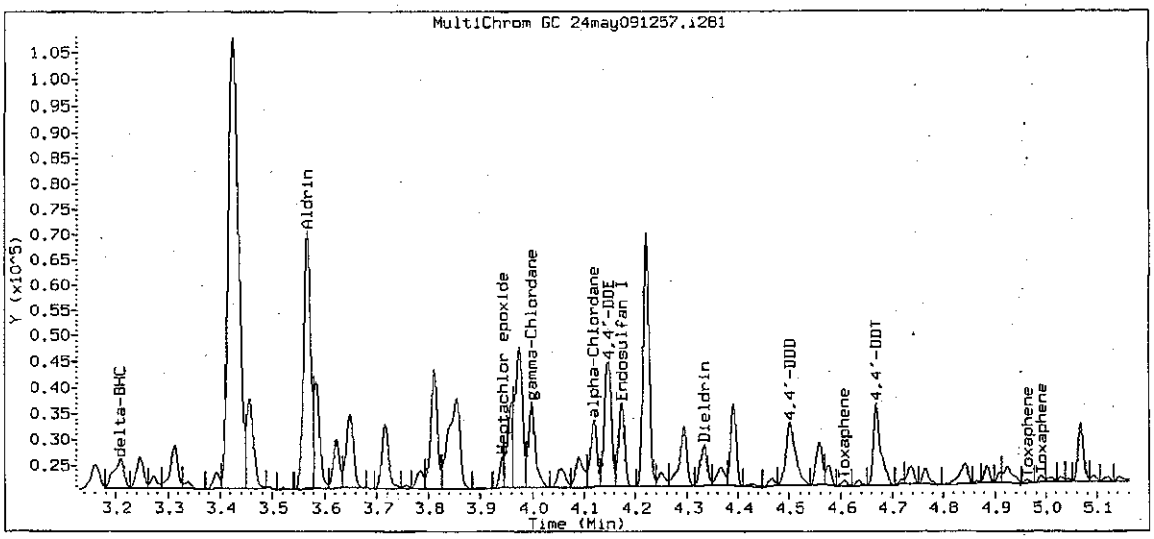
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: 4,4'-DDE

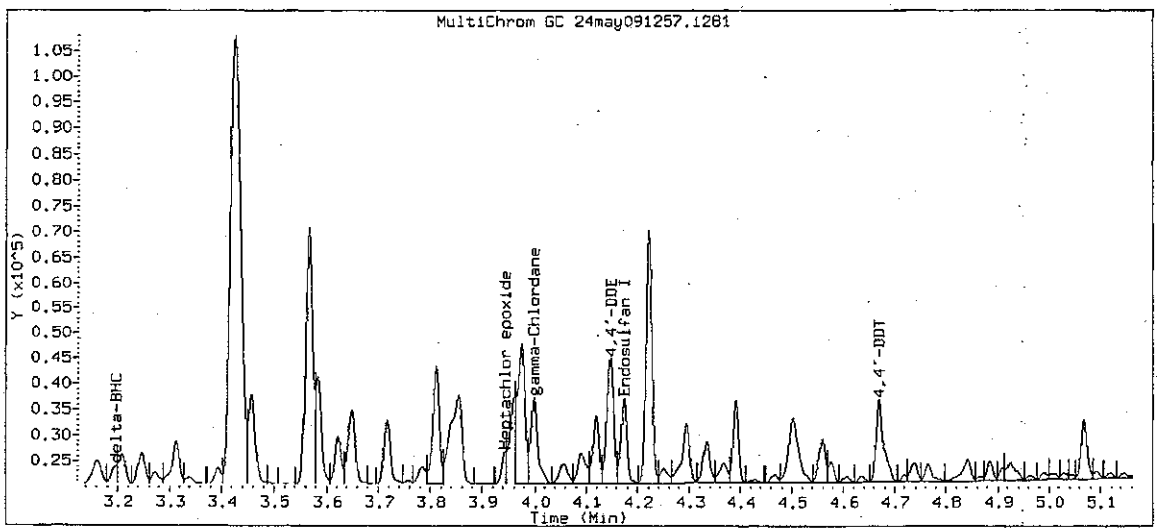
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 4.1474 Height = 24109



Final Integration:

RT = 4.1474 Height = 24362

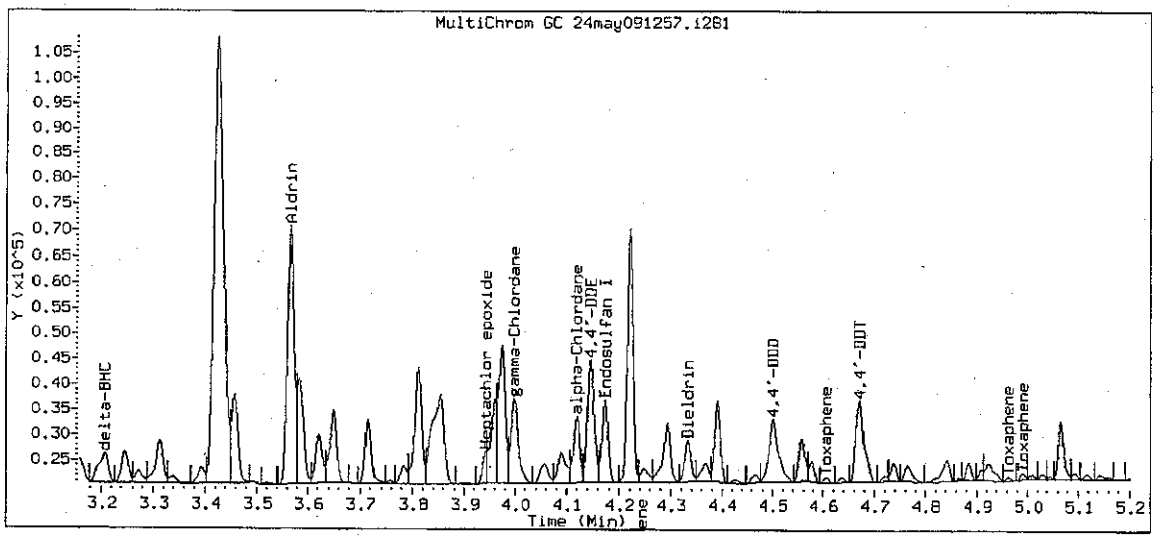
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: Endosulfan I

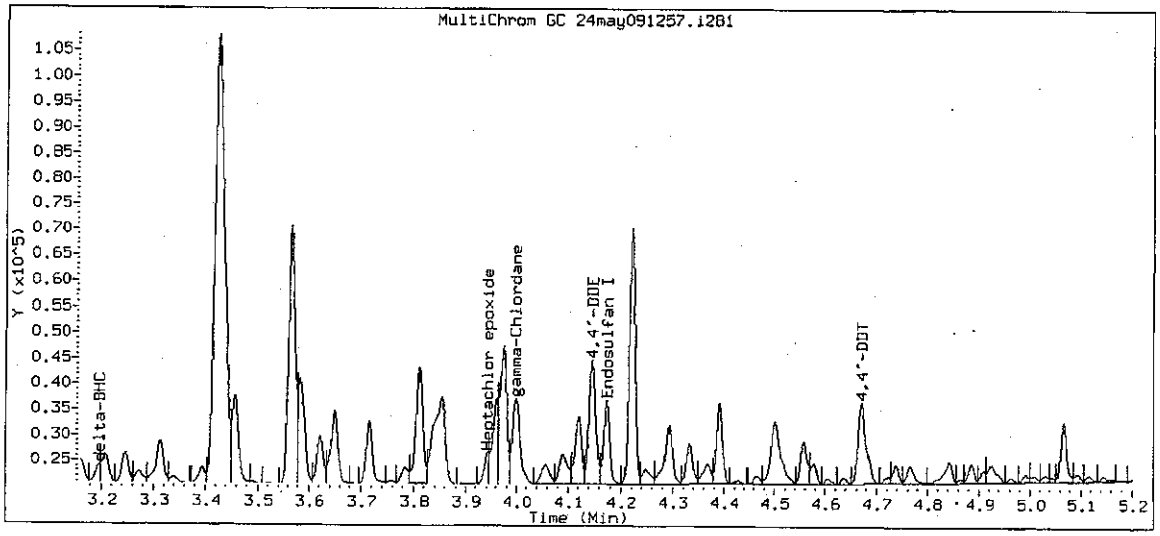
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 4.1740 Height = 16229



Final Integration:

RT = 4.1740 Height = 16470

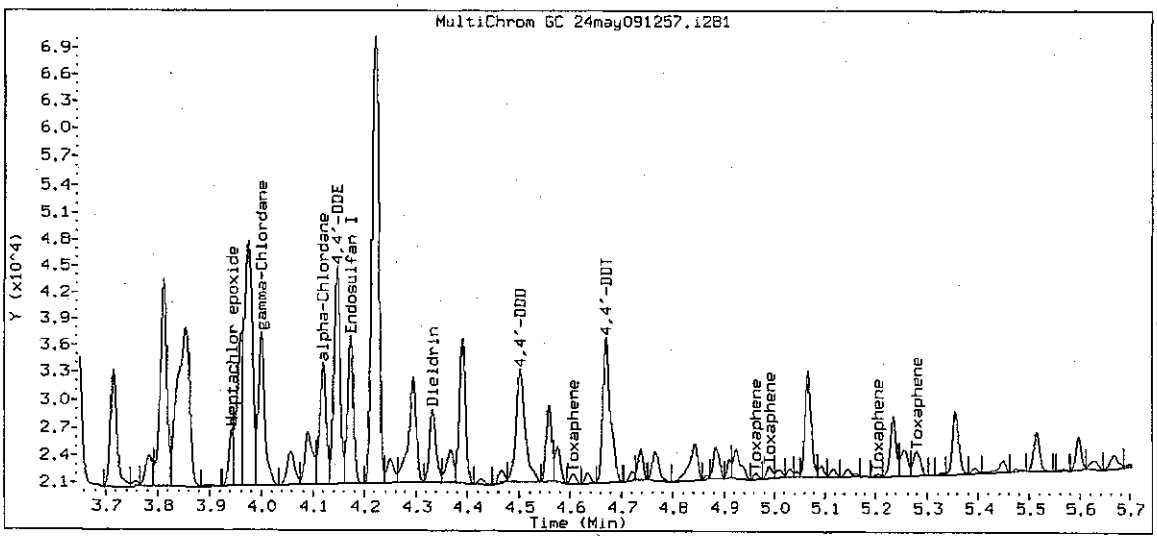
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: 4,4'-DDT

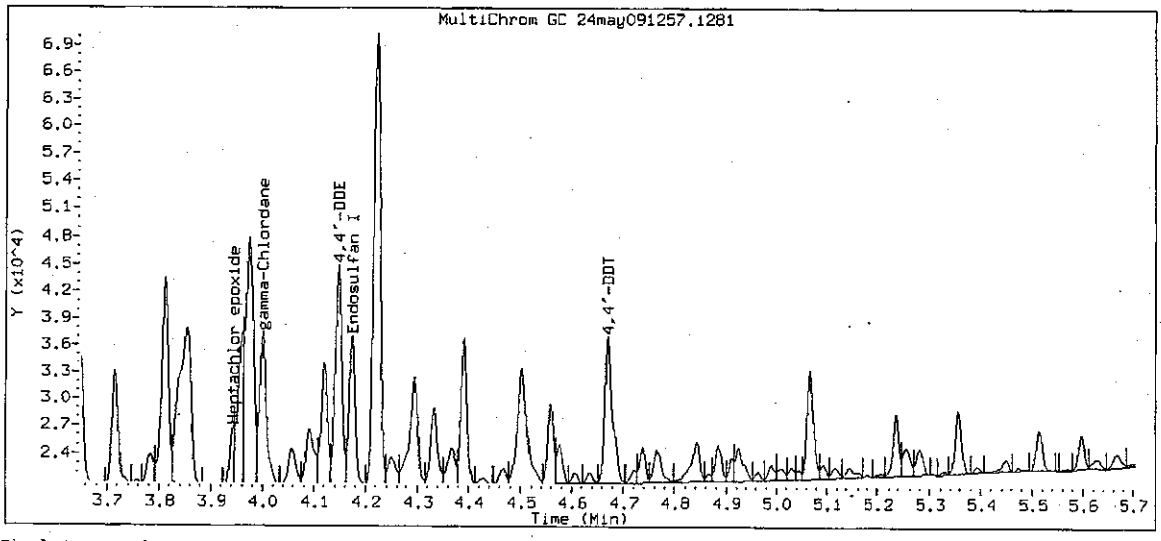
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_1.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 16:41



Original Integration:

RT = 4.6705 Height = 15940



Final Integration:

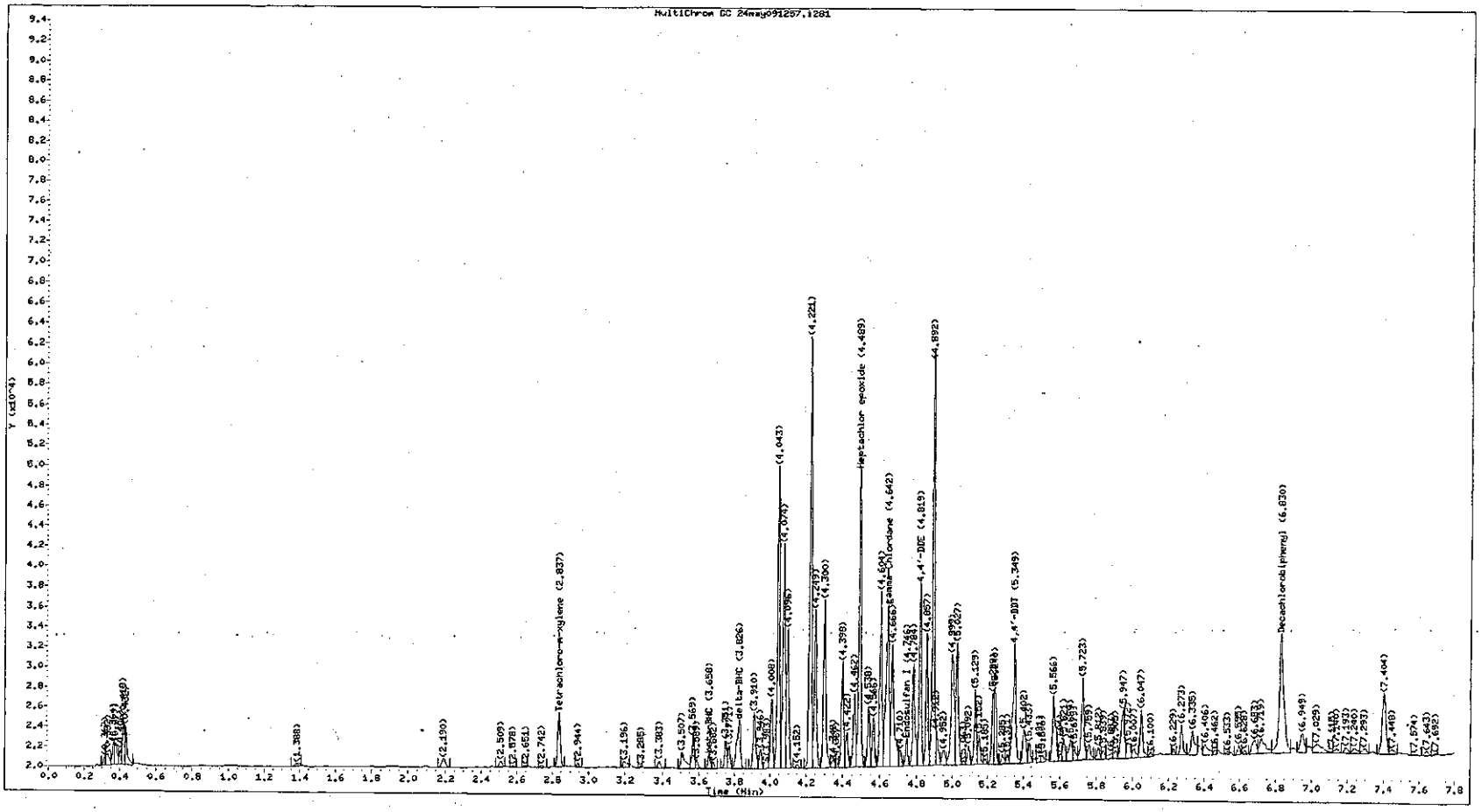
RT = 4.6705 Height = 16061

Manual Integration Reason: MI1 - Poor automated baseline

TestAmerica Burlington - Target GC Chromatogram

Lab Sample ID: 794709	Client Sample ID: E2QR1

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JB3	Injection Date	: 24-MAY-2009 21:56
Instrument	: 0825_2.i	Injection Vol. (ul)	: 1.0
Column	: RTX-CLPII	Dilution Factor	: 3.0
Integrator	: Falcon	Compound Sublist	: all
Data File	: 24may091257-r281.d		
Method	: /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m		
Reported	: 25-May-2009 17:12 jb3		



TestAmerica Burlington - Target GC Injection Report

Lab Sample ID: 794709 Client Sample ID: E2QR1

Matrix : SOIL
Analyst : JB3
Instrument : 0825_2.i
Column : RTX-CLPII
Integrator : Falcon
Data File : 24may091257-r281.d
Method : /var/chem/0825_2.i/052409_4/24MAY091257.b/SOM01PEST_RTXCLPII_2009.m
Reported : 25-May-2009 17:12 jb3

Sample Type : SAMPLE
Injection Date : 24-MAY-2009 21:56
Injection Vol. (ul): 1.0
Dilution Factor : 3.0
Compound Sublist : all

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
	1	0.317			618	897			
	2	0.332			1546	1104			
	3	0.364			1782	2210			
	4	0.377			2107	2210			
	5	0.406			1154	1526			
	6	0.419			3678	4811			
	7	0.432			3345	3967			
	8	1.388			496	222			
	9	2.190			1275	879			
	10	2.509			719	580			
	11	2.578			128	129			
	12	2.651			205	158			
	13	2.742			245	224			
$	14	2.837	2.847	-0.010	5820	5494	0.01459530		Tetrachloro-m-xylene
	15	2.944			395	389			
	16	3.196			917	559			
	17	3.285			101	111			
	18	3.383			860	720			
	19	3.507			2788	1643			
	20	3.569			3247	3288		M	
	21	3.589			892	846		M	
	22	3.658	3.652	0.005	1385	1484	0.00486051	aM	beta-BHC
	23	3.682			636	655			
	24	3.751			2419	2722			
	25	3.771			1899	2229			
	26	3.826	3.863	-0.037	6859	4869	0.00620524		delta-BHC
	27	3.910			5745	5591			
	28	3.946			1849	1948			
	29	3.983			1401	1085			
	30	4.008			6220	6956			
	31	4.043			24916	29972			
	32	4.074			20600	22221			
	33	4.096			12646	13847			
	34	4.152			467	382			
	35	4.221			35482	42577			
	36	4.249			14211	15735			
	37	4.300			16185	16659			
	38	4.349			986	847			
	39	4.367			494	541			
	40	4.398			9170	10532			
	41	4.422			3167	3406			
	42	4.462			6653	7275			
	43	4.489	4.509	-0.021	26119	29498	0.03968012	M	Heptachlor epoxide
	44	4.538			5368	6058			
	45	4.566			4259	4881			
	46	4.604			15404	17413			
	47	4.642	4.629	0.012	19152	16069	0.02150972	M	gamma-Chlordane
	48	4.666			15030	12098			
	49	4.710			1695	1610			
	50	4.746	4.760	-0.014	2306	2747	0.00391230	aM	Endosulfan I
	51	4.784			10276	10128			
	52	4.819	4.810	0.009	15515	18192	0.02374036	M	4,4'-DDE
	53	4.857			10715	13096			
	54	4.892			34285	41158		M	

Reported: 05/25/2009 17:12 jb3 24may091257-r281.d Page 1

TestAmerica Burlington - Target GC Injection Report

Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Amount (ng)	Flags	Peak Identification
55	4.912			3441	3539		M	
56	4.952			2044	1472			
57	4.999			14556	11016			
58	5.027			11678	12150			
59	5.063			441	399			
60	5.092			1737	1884			
61	5.129			6348	7412			
62	5.152			2682	2885			
63	5.185			546	561			
64	5.229			5877	7006			
65	5.240			6865	7606			
66	5.285			1007	943			
67	5.311			857	979			
68	5.349	5.355	-0.006	14028	11861	0.01801037	M	4,4'-DDT
69	5.402			4411	3280			
70	5.433			1874	1912			
71	5.491			791	653			
72	5.506			765	666			
73	5.566			7944	6469			
74	5.604			619	705			
75	5.621			2009	2186			
76	5.659			2796	2060			
77	5.679			1685	1479			
78	5.723			7989	8117			
79	5.759			1792	1536			
80	5.812			1186	1161			
81	5.839			969	897			
82	5.883			989	564			
83	5.905			998	800			
84	5.947			6475	4744			
85	5.972			2310	1508			
86	6.007			1228	907			
87	6.047			4904	4717			
88	6.100			454	414			
89	6.229			557	673			
90	6.273			3107	2967			
91	6.335			3737	2404			
92	6.406			2039	1016			
93	6.462			586	452			
94	6.533			286	264			
95	6.595			999	897			
96	6.628			442	433			
97	6.683			2418	1320			
98	6.719			3609	1425			
$ 99	6.830	6.839	-0.009	20546	11836	0.02507913		Decachlorobiphenyl
100	6.949			3019	1871			
101	7.029			2689	818			
102	7.115			164	192			
103	7.140			702	427			
104	7.193			845	529			
105	7.240			1003	498			
106	7.293			896	481			
107	7.404			8769	5932			
108	7.448			809	435			
109	7.574			272	131			
110	7.643			620	399			
111	7.692			143	122			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Reported: 05/25/2009 17:12 jb3 24may091257-r281.d Page 2

TestAmerica Burlington - Target GC Injection Report

Target Compounds

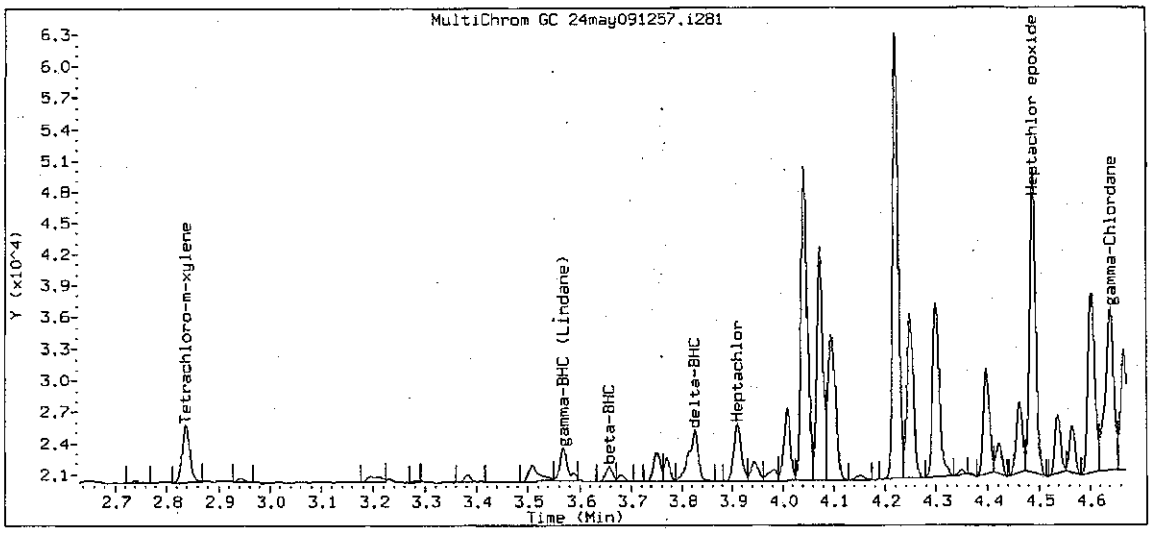
Peak RT	Expected RT	Target Compound
2.837	2.847	Tetrachloro-m-xylene
	3.330	alpha-BHC
	3.596	gamma-BHC (Lindane)
3.658	3.652	beta-BHC
3.826	3.863	delta-BHC
	3.916	Heptachlor
	4.139	Aldrin
4.489	4.509	Heptachlor epoxide
4.642	4.629	gamma-Chlordane
	4.720	alpha-Chlordane
4.746	4.760	Endosulfan I
4.819	4.810	4,4'-DDE
	4.930	Dieldrin
	5.117	Endrin
	5.161	4,4'-DDD
	5.243	Endosulfan II
	5.333	Toxaphene
5.349	5.355	4,4'-DDT
	5.441	Endrin aldehyde
	5.607	Endosulfan sulfate
	5.748	Methoxychlor
	5.937	Endrin ketone
6.830	6.839	Decachlorobiphenyl

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: beta-BHC

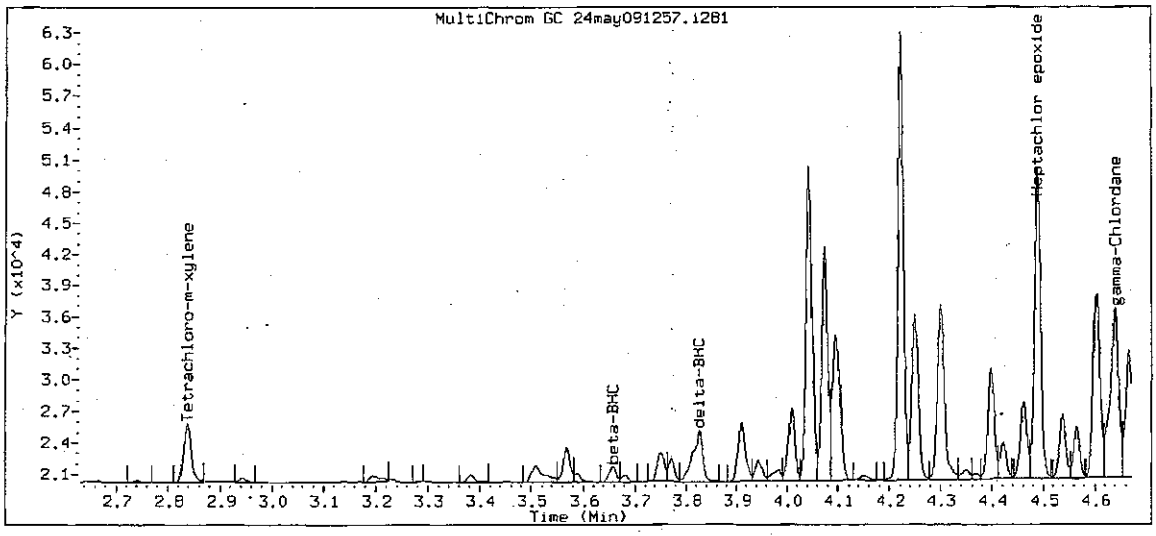
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 319-85-7

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 3.6575 Height = 1463



Final Integration:

RT = 3.6575 Height = 1484

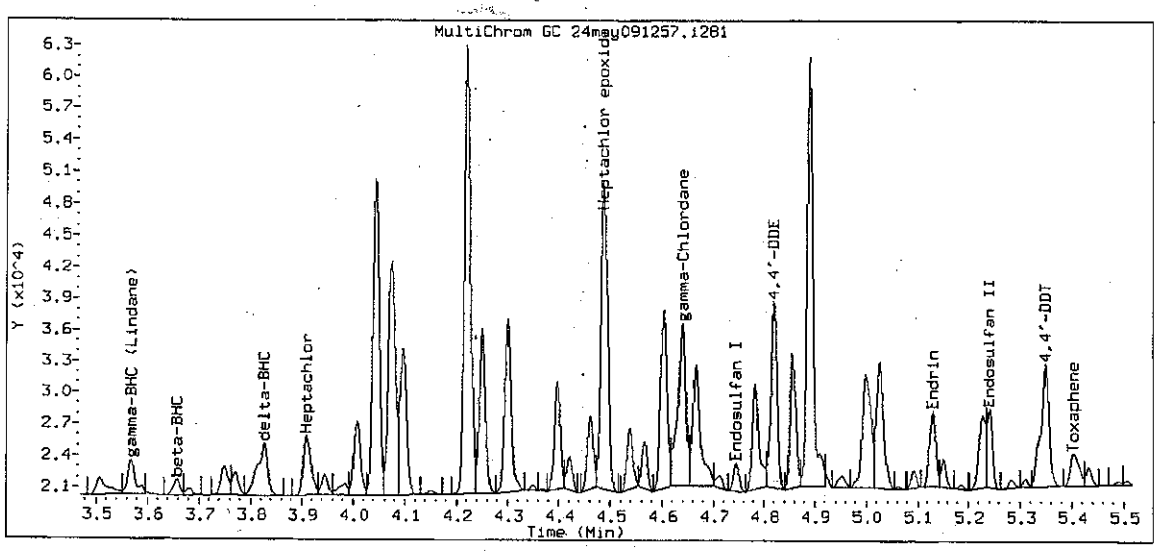
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: Heptachlor epoxide

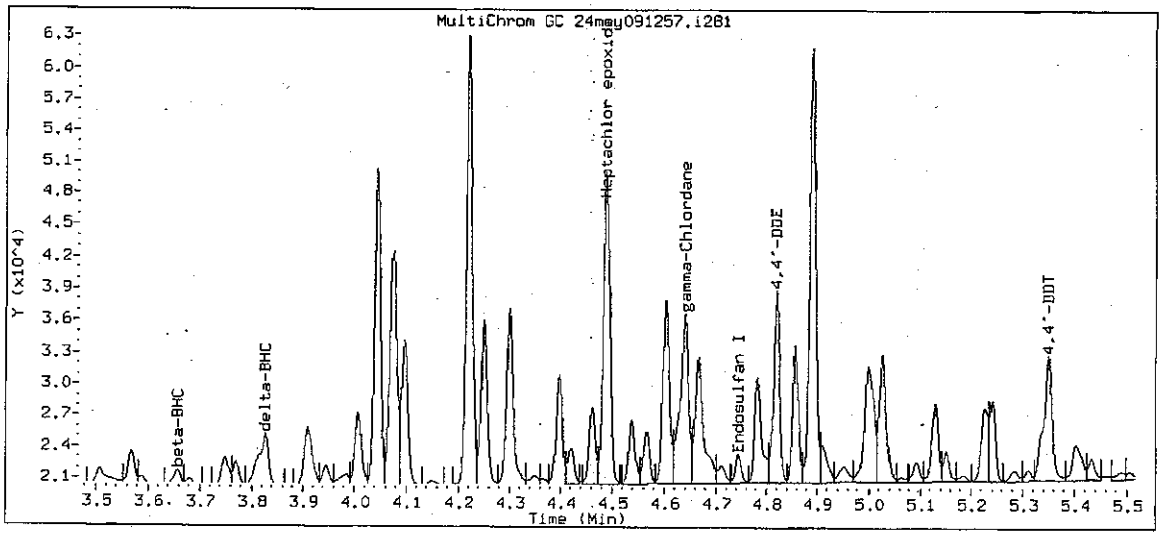
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 1024-57-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.4887 Height = 29041



Final Integration:

RT = 4.4887 Height = 29498

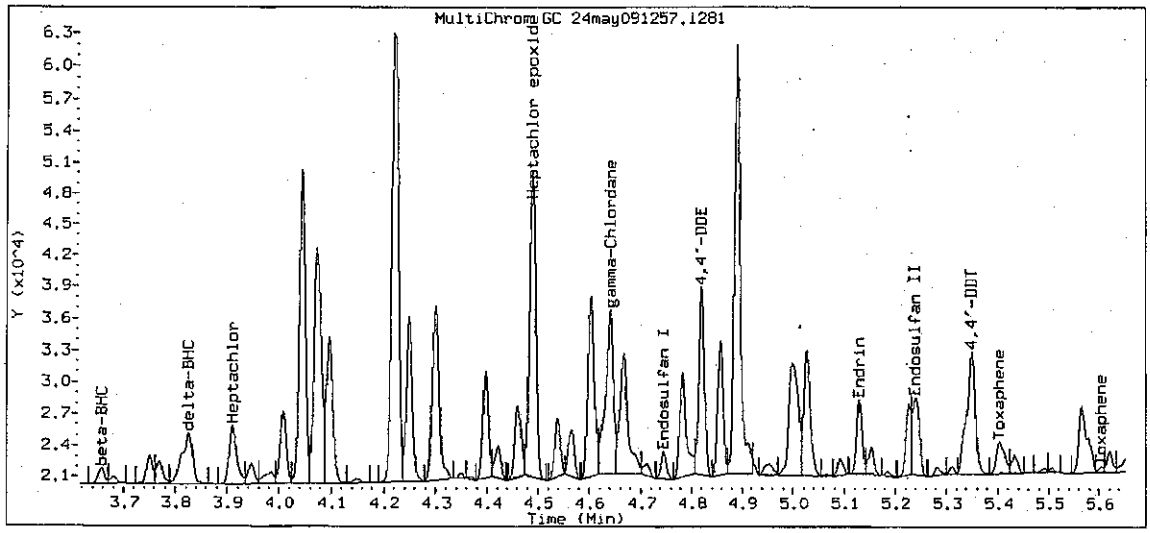
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: gamma-Chlordane

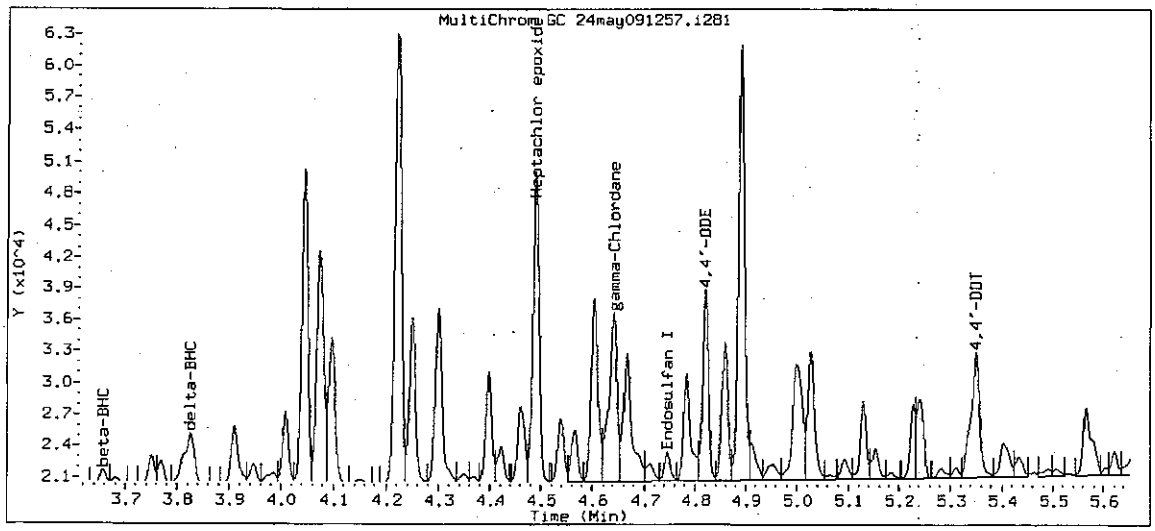
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 5103-74-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.6417 Height = 15403



Final Integration:

RT = 4.6417 Height = 16069

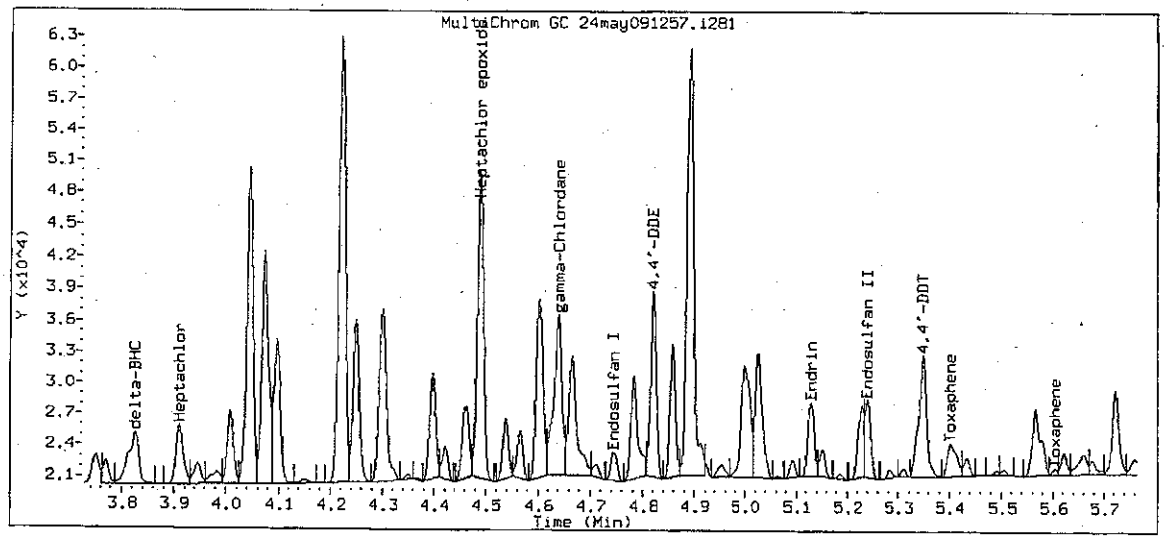
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: Endosulfan I

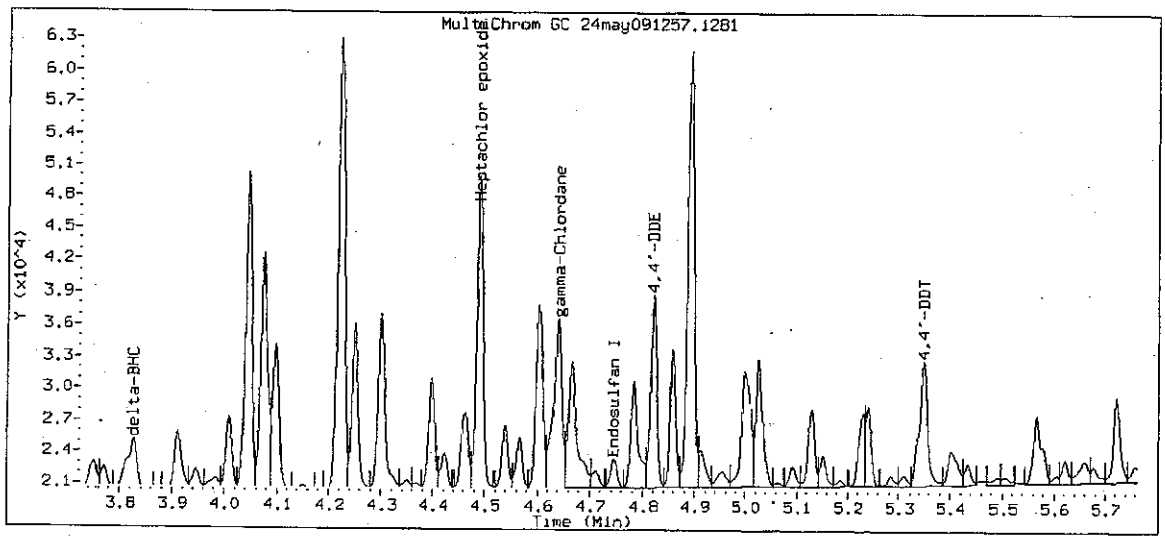
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 959-98-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.7459 Height = 2617



Final Integration:

RT = 4.7459 Height = 2747

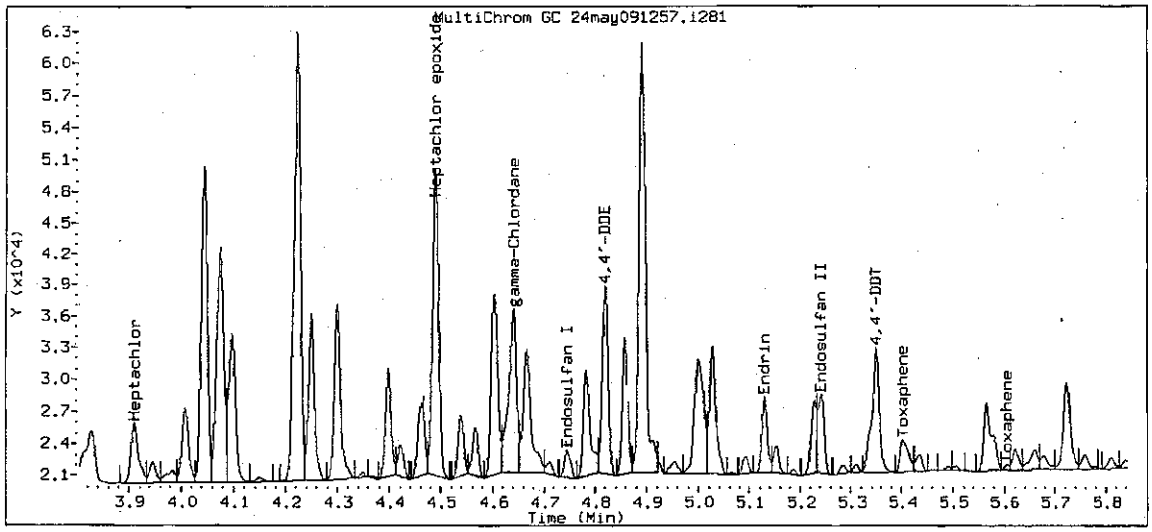
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: 4,4'-DDE

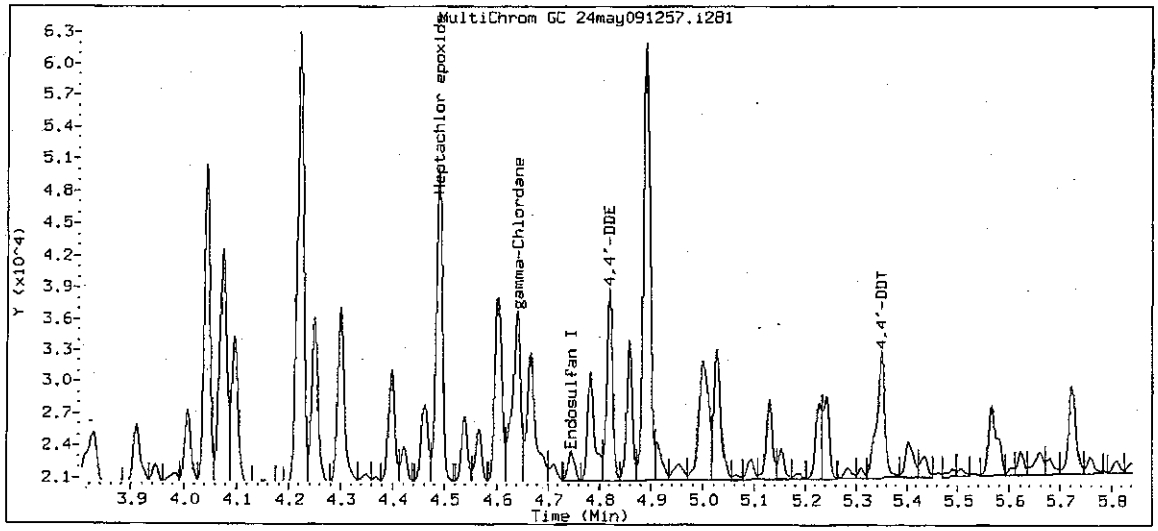
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 72-55-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 4.8190 Height = 17743



Final Integration:

RT = 4.8190 Height = 18192

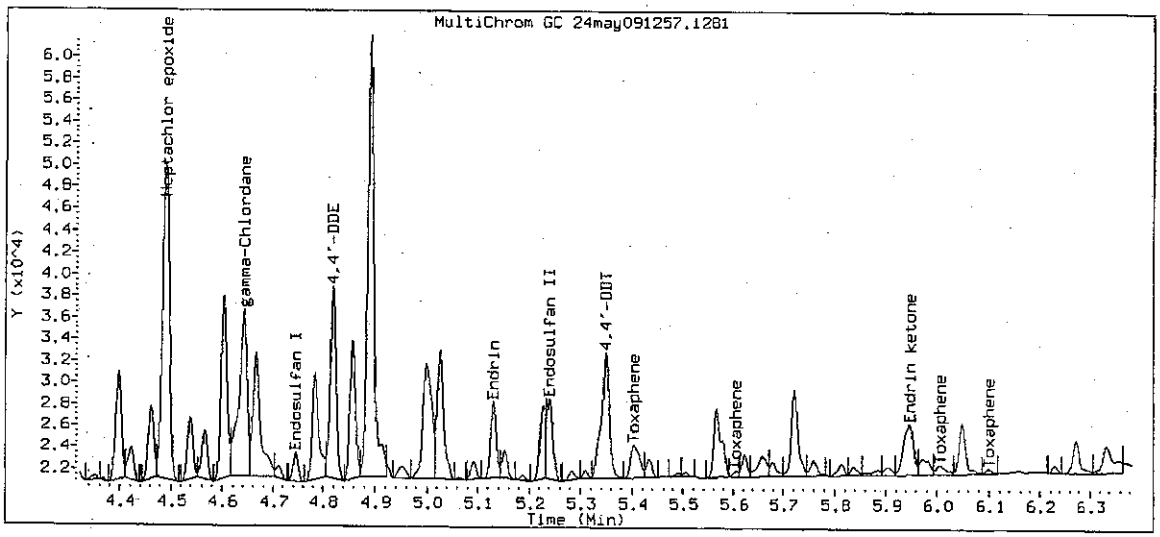
Manual Integration Reason: MI1 - Poor automated baseline

MANUAL INTEGRATION REPORT

Data File Name: 24may091257-r281.d
Client Sample ID: E2QR1
Compound Name: 4,4'-DDT

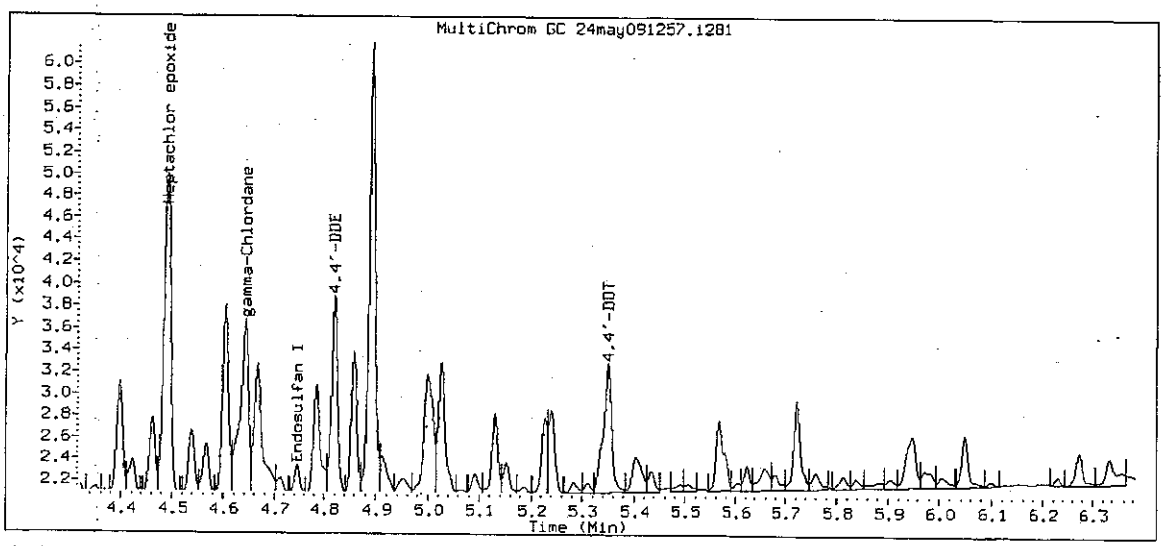
Inj. Date and Time: 24-MAY-2009 21:56
Instrument ID: 0825_2.i
CAS #: 50-29-3

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/25/2009 17:12



Original Integration:

RT = 5.3488 Height = 11579



Final Integration:

RT = 5.3488 Height = 11861

Manual Integration Reason: MI1 - Poor automated baseline