

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 03/20/2002 Time: 14:44:28

Sample: AE06055
 Analysis: \$B1524 Volatile Organic Compounds-Blank
 Units: ug
 Started: 3/19/02 00:08 Ended: 3/19/02 00:08 Analyst: BH
 Result source: c:\hpcchem\1\data\02mar19\0319bl1.d\0319bl1.rr
 Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-		4.5
2	Surr - 4-BROMOFLUOROBENZ		5.4
3	DICHLORODIFLUOROMETHAN		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHAN		< MDL
9	ACETONE		< MDL
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		< MDL
12	METHYL TERT BUTYL ETHER		< MDL
13	TRANS-1,2-DICHLOROETHEN		< MDL
14	1,1-DICHLOROETHANE		< MDL
15	2-BUTANONE (MEK)		< MDL
16	2,2-DICHLOROPROPANE		< MDL
17	CIS,1,2-DICHLOROETHENE		< MDL
18	CHLOROFORM		< MDL
19	BROMOCHLOROMETHANE		< MDL
20	1,2-DICHLOROETHANE		< MDL
21	Surr - TOLUENE-D8		5.3
22	1,1,1-TRICHLOROETHANE		< MDL
23	1,1-DICHLOROPROPENE		< MDL
24	CARBON TETRACHLORIDE		< MDL
25	BENZENE		< MDL
26	TRICHLOROETHENE		< MDL
27	1,2-DICHLOROPROPANE		< MDL
28	DIBROMOMETHANE		< MDL
29	BROMODICHLOROMETHANE		< MDL
30	2-CHLOROETHYL VINYL ETHE		< MDL
31	MIBK		< MDL
32	CIS-1,3-DICHLOROPROPENE		< MDL
33	TOLUENE		< MDL
34	TRANS-1,3-DICHLOROPROPE		< MDL
35	1,1,2-TRICHLOROETHANE		< MDL
36	TETRACHLOROETHENE		< MDL
37	1,3-DICHLOROPROPANE		< MDL
38	DIBROMOCHLOROMETHANE		< MDL
39	1,2-DIBROMOETHANE		< MDL
40	CHLOROBENZENE		< MDL
41	1,1,1,2-TETRACHLOROETHA		< MDL
42	2-HEXANONE		< MDL
43	ETHYLBENZENE		< MDL
44	P & M-XYLENE		< MDL
45	O-XYLENE		< MDL
46	STYRENE		< MDL
47	1,1,2,2-TETRACHLOROETHA		< MDL
48	BROMOFORM		< MDL

Reviewed by,
[Signature] 6/14/02

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Date: 03/20/2002 Time: 14:44:28

Sample: AE06055
Analysis: \$B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 3/19/02 00:08 Ended: 3/19/02 00:08 Analyst: BH
Result source: c:\hpcchem\1\data\02mar19\0319bl1.d\0319bl1.rr
Page: 2

	Component Name	Viol	Result
49	ISOPROPYLBENZENE		< MDL
50	1,2,3-TRICHLOROPROPANE		< MDL
51	N-PROPYLBENZENE		< MDL
52	BROMOBENZENE		< MDL
53	1,3,5-TRIMETHYLBENZENE		< MDL
54	2-CHLOROTOLUENE		< MDL
55	4-CHLOROTOLUENE		< MDL
56	TERT-BUTYLBENZENE		< MDL
57	1,2,4-TRIMETHYLBENZENE		< MDL
58	SEC-BUTYLBENZENE		< MDL
59	P-ISOROPYLTOLUENE		< MDL
60	1,3-DICHLOROBENZENE		< MDL
61	1,4-DICHLOROBENZENE		< MDL
62	N-BUTYLBENZENE		< MDL
63	1,2-DICHLOROBENZENE		< MDL
64	1,2-DIBROMO-3-CHLOROPRO		< MDL
65	1,2,4-TRICHLOROBENZENE		< MDL
66	HEXACHLOROBUTADIENE		< MDL
67	NAPHTHALENE		< MDL
68	1,2,3-TRICHLOROBENZENE		< MDL
69			
70	NITROBENZENE		3.4

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319BL1.D

Vial: 1

Acq On : 19 Mar 2002 8:48 am

Operator:

Sample : lb

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Mar 19 9:22 2002

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Mon Mar 18 14:36:15 2002

Response via : Initial Calibration

DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.21	114	389187	5.00	ug/L	-0.07
21) CHLOROBENZENE-D5	20.01	117	334548	5.00	ug/L	-0.07
49) 1,4-DICHLOROBENZENE-D4	24.89	152	201325	5.00	ug/L	-0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	13.34	65	323377	4.55	ug/L	-0.07
Spiked Amount 5.000			Recovery	=	91.00%	
22) TOLUENE-D8	16.88	98	433129	5.31	ug/L	-0.08
Spiked Amount 5.000			Recovery	=	106.20%	
52) 4-BROMOFLUOROBENZENE	22.49	95	236158	5.40	ug/L	-0.07
Spiked Amount 5.000			Recovery	=	108.00%	
Target Compounds						Qvalue
27) TRICHLOROETHENE	14.21	95	18720	0.38	ug/L #	15
68) NITROBENZENE	28.89	77	6117	3.45	ug/L #	22
73) ETHANOL	7.46	45	1105	62.87	ug/L #	100

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

0319BL1.D HP031502.M

Tue Mar 19 09:22:38 2002

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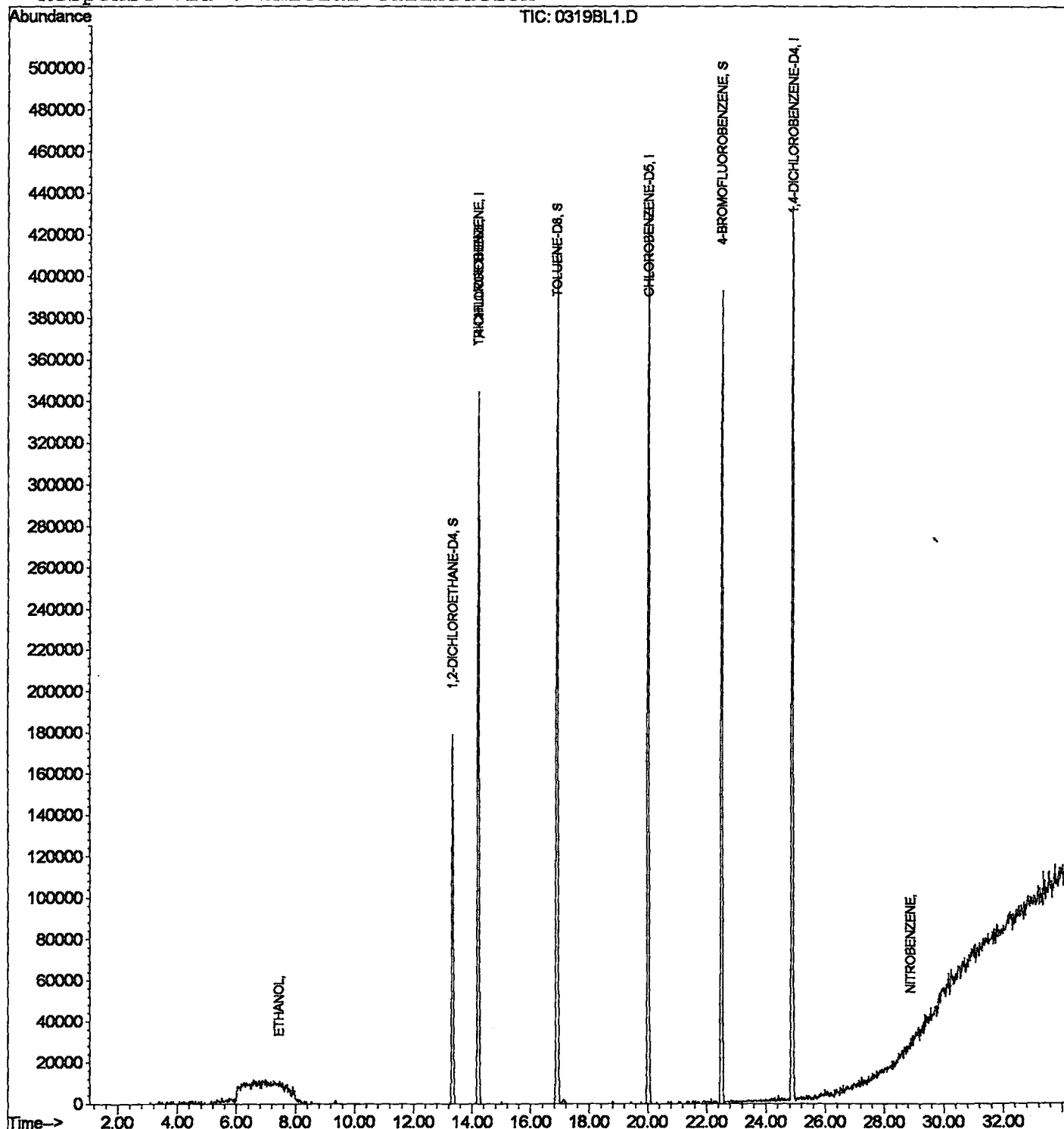
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar19\0319BL1.D
 Acq On : 19 Mar 2002 8:48 am
 Sample : lb
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 9:22 2002

Vial: 1
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/20/2002 Time: 14:46:33

Sample: AE06055
Analysis: \$C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/19/02 00:09 Ended: 3/19/02 00:09 Analyst: BH
Result source: c:\hpchem\1\data\02mar19\0319c10.d\0319c10.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.4		.5
2	Surr_4-BROMOFLUOROBENZE		5.3		.5
3	Dichlorodifluoromethane		9.5		.5
4	Chloromethane		7.9		.5
5	Vinyl chloride		8.0		.5
6	Bromomethane		12		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		9.7		.5
9	1,1-Dichloroethene		9.4		.5
10	Methylene Chloride		11		.5
11	Methyl tert-butyl ether		11		1.0
12	trans-1,2-dichloroethene		10		.5
13	1,1-dichloroethane		10		.5
14	2-butanone (MEK)		9.8		2.0
15	2,2-dichloropropane		10		.5
16	cis-1,2-dichloroethene		11		.5
17	Chloroform		11		.5
18	Bromochloromethane		11		.5
19	1,2-dichloroethane		11		.5
20	Surr_TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		10		.5
22	1,1-dichloropropene		10		.5
23	Carbon tetrachloride		10		.5
24	Benzene		11		.5
25	Trichloroethene		8.3		.5
26	1,2-dichloropropane		11		.5
27	Dibromomethane		12		.5
28	Bromodichloromethane		11		.5
29	Methyl iso-butyl ketone		12		1.0
30	cis-1,3-dichloropropene		11		.5
31	Toluene		11		.5
32	trans-1,3-dichloropropene		11		.5
33	1,1,2-trichloroethane		11		.5
34	Tetrachloroethene		11		.5
35	1,3-dichloropropane		11		.5
36	Dibromochloromethane		11		2.0
37	Chlorobenzene		11		.5
38	1,1,1,2-tetrachloroethane		11		.5
39	Ethylbenzene		10		.5
40	P & M-xylene		21		.5
41	O-xylene		10		.5
42	Styrene		11		.5
43	1,1,2,2-tetrachloroethane		10		.5
44	Bromoform		12		2.0
45	Isopropylbenzene		11		.5
46	1,2,3-trichloropropane		10		.5
47	N-propylbenzene		11		.5
48	Bromobenzene		12		.5

User: Huhn, William
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Date: 03/20/2002 Time: 14:46:33

Sample: AE06055
Analysis: \$C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/19/02 00:09 Ended: 3/19/02 00:09 Analyst: BH
Result source: c:\hpcchem\1\data\02mar19\0319c10.d\0319c10.rr
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		11		.5
50	2-chlorotoluene		11		.5
51	4-chlorotoluene		11		.5
52	TERT-butylbenzene		11		.5
53	1,2,4-trimethylbenzene		11		.5
54	SEC-butylbenzene		11		.5
55	P-isopropyltoluene		11		.5
56	1,3-dichlorobenzene		11		.5
57	1,4-dichlorobenzene		11		.5
58	N-butylbenzene		11		.5
59	1,2-dichlorobenzene		12		.5
60	1,2,4-trichlorobenzene		13		.5
61	Hexachlobutadiene		12		.5
62	1,2,3-trichlorobenzene		13		.5
63	1,2,3-trichlorobenzene		13		.5
64	Nitrobenzene		230		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR19\0319C10.D

Vial: 10

Acq On : 19 Mar 2002 9:30 am

Operator:

Sample : cal 10

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Mar 19 10:21 2002

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Tue Mar 19 08:14:30 2002

Response via : Initial Calibration

DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.21	114	273950	5.00	ug/L	-0.07
21) CHLOROBENZENE-D5	20.03	117	252760	5.00	ug/L	-0.05
49) 1,4-DICHLOROBENZENE-D4	24.89	152	179799	5.00	ug/L	-0.05

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.34	65	267955	5.35	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	107.00%	
22) TOLUENE-D8	16.90	98	306036	4.97	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	99.40%	
52) 4-BROMOFLUOROBENZENE	22.49	95	205614	5.26	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	105.20%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) DICHLORODIFLUOROMETHANE	4.60	85	395122	9.46	ug/L	97
4) CHLOROMETHANE	5.13	50	171989	7.87	ug/L	99
5) VINYL CHLORIDE	5.23	62	169833	7.96	ug/L	98
6) BROMOMETHANE	5.96	94	129085	12.19	ug/L	97
7) CHLOROETHANE	6.25	64	87361	10.64	ug/L	94
8) TRICHLOROFLUOROMETHANE	6.56	101	705841	9.70	ug/L	99
9) ACETONE	8.92	43	61464	10.03	ug/L	97
10) 1,1-DICHLOROETHENE	7.64	61	417901	9.45	ug/L	96
11) METHYLENE CHLORIDE	8.83	49	329496	10.85	ug/L	94
12) METHYL TERT BUTYL ETHER	9.34	73	565570	11.12	ug/L	98
13) TRANS-1,2-DICHLOROETHENE	9.16	61	374575	10.31	ug/L	97
14) 1,1-DICHLOROETHANE	10.40	63	422606	10.47	ug/L	99
15) 2-BUTANONE (MEK)	12.51	43	46386	9.80	ug/L	98
16) 2,2-DICHLOROPROPANE	11.67	77	763693	10.04	ug/L	100
17) CIS-1,2-DICHLOROETHENE	11.44	96	159932	11.17	ug/L	99
18) CHLOROFORM	11.93	83	636061	10.65	ug/L	99
19) BROMOCHLOROMETHANE	11.83	49	177119	11.16	ug/L	94
20) 1,2-DICHLOROETHANE	13.48	62	698168	11.11	ug/L	97
23) 1,1,1-TRICHLOROETHANE	12.39	97	804290	10.34	ug/L	99
24) 1,1-DICHLOROPROPENE	12.61	75	411207	10.34	ug/L	99
25) CARBON TETRACHLORIDE	12.27	117	741773	10.37	ug/L	99
26) BENZENE	13.10	78	558104	10.52	ug/L	98
27) TRICHLOROETHENE	14.19	95	309896	8.28	ug/L	93
28) 1,2-DICHLOROPROPANE	15.23	63	161739	11.14	ug/L	97
29) DIBROMOMETHANE	15.04	174	112034	11.82	ug/L	88
30) BROMODICHLOROMETHANE	15.30	83	546875	11.13	ug/L	99
31) 2-CHLOROETHYL VINYL ETHER	16.32	63	53290	11.46	ug/L	86
32) Methyl iso-butyl ketone	17.66	58	26012	11.57	ug/L	79

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

0319C10.D HP031502.M

Tue Mar 19 10:21:43 2002

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Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR19\0319C10.D

Vial: 10

Acq On : 19 Mar 2002 9:30 am

Operator:

Sample : cal 10

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Mar 19 10:21 2002

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Tue Mar 19 08:14:30 2002

Response via : Initial Calibration

DataAcq Meth : HP031502

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33) CIS-1,3-DICHLOROPROPENE	16.50	75	374811	10.93	ug/L	99
34) TOLUENE	17.00	91	751932	10.67	ug/L	100
35) TRANS-1,3-DICHLOROPROPENE	17.76	75	431778	11.08	ug/L	98
36) 1,1,2-TRICHLOROETHANE	18.10	97	114845	11.25	ug/L	87
37) TETRACHLOROETHENE	17.80	166	322901	11.31	ug/L	96
38) 1,3-DICHLOROPROPANE	18.68	76	239013	11.15	ug/L	98
39) DIBROMOCHLOROMETHANE	18.49	129	281822	11.39	ug/L	99
40) 1,2-DIBROMOETHANE	19.04	107	138401	11.11	ug/L	93
41) CHLOROBENZENE	20.06	112	566945	10.50	ug/L	98
42) 1,1,1,2-TETRACHLOROETHANE	20.16	131	328813	10.96	ug/L	100
43) 2-HEXANONE	17.68	43	111261	12.13	ug/L	99
44) ETHYLBENZENE	21.23	91	1129380	10.31	ug/L	98
45) P & M-XYLENE	20.33	106	782770	20.93	ug/L	99
46) O-XYLENE	20.33	91	2263455	10.44	ug/L	99
47) STYRENE	21.33	104	596977	10.88	ug/L	98
48) 1,1,2,2-TETRACHLOROETHANE	22.83	83	117553	10.44	ug/L	95
50) BROMOFORM	21.45	173	138464	12.36	ug/L	96
51) ISOPROPYLBENZENE	21.85	105	1330648	10.92	ug/L	100
53) 1,2,3-TRICHLOROPROPANE	23.19	110	61214	10.24	ug/L	97
54) N-PROPYLBENZENE	23.10	91	1319207	10.87	ug/L	80
55) BROMOBENZENE	22.76	156	312394	11.83	ug/L	87
56) 1,3,5-TRIMETHYLBENZENE	23.94	105	1307944	10.88	ug/L	99
57) 2-CHLOROTOLUENE	23.10	91	1319207	10.87	ug/L	98
58) 4-CHLOROTOLUENE	23.46	91	1156653	10.58	ug/L	96
59) TERT-BUTYLBENZENE	23.80	134	243668	11.46	ug/L	96
60) 1,2,4-TRIMETHYLBENZENE	23.09	105	1270838	10.92	ug/L	98
61) SEC-BUTYLBENZENE	24.18	105	1514467	10.51	ug/L	98
62) P-ISOPROPYLTOLUENE	24.43	119	1469277	10.57	ug/L	98
63) 1,3-DICHLOROBENZENE	24.74	146	649318	10.73	ug/L	94
64) 1,4-DICHLOROBENZENE	24.92	146	650673	10.81	ug/L	98
65) N-BUTYLBENZENE	25.37	91	1478138	10.66	ug/L	97
66) 1,2-DICHLOROBENZENE	25.86	146	601499	11.60	ug/L	96
67) 1,2-DIBROMO-3-CHLOROPROPAN	27.59	157	41399	12.52	ug/L	97
68) NITROBENZENE	28.87	77	369599	233.40	ug/L	93
69) 1,2,4-TRICHLOROBENZENE	29.09	180	584768	12.63	ug/L	98
70) HEXACHLOROBUTADIENE	28.94	225	427352	12.21	ug/L	99
71) NAPHTHALENE	29.84	128	631478	14.01	ug/L	96
72) 1,2,3-TRICHLOROBENZENE	30.26	180	493200	13.20	ug/L	98

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

0319C10.D HP031502.M

Tue Mar 19 10:21:46 2002

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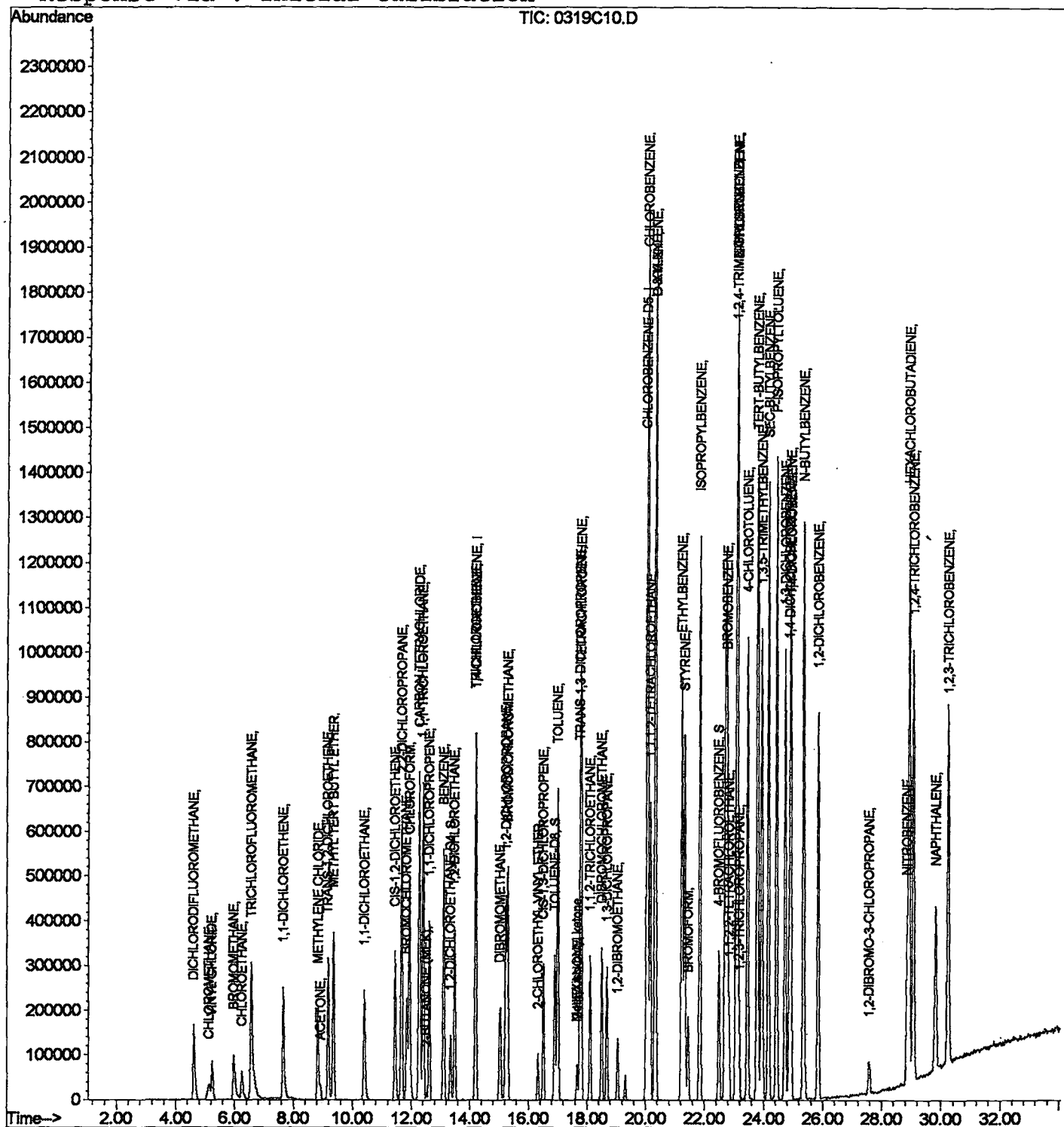
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR19\0319C10.D
 Acq On : 19 Mar 2002 9:30 am
 Sample : cal 10
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 10:21 2002

Vial: 10
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Tue Mar 19 08:14:30 2002
 Response via : Initial Calibration



Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5.D
 Acq On : 19 Mar 2002 10:46 am
 Sample : ref 5
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 11:21 2002

Vial: 11
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration
 DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-DIFLUOROBENZENE	14.21	114	287402	5.00	ug/L	-0.07
21) CHLOROBENZENE-D5	20.03	117	255596	5.00	ug/L	-0.05
49) 1,4-DICHLOROBENZENE-D4	24.89	152	169712	5.00	ug/L	-0.05

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.34	65	265314	5.05	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	101.00%	
22) TOLUENE-D8	16.90	98	306636	4.92	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	98.40%	
52) 4-BROMOFLUOROBENZENE	22.51	95	202856	5.50	ug/L	-0.05
Spiked Amount	5.000		Recovery	=	110.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) DICHLORODIFLUOROMETHANE	4.60	85	213633	4.88	ug/L	99
4) CHLOROMETHANE	5.12	50	165161	6.72	ug/L	96
5) VINYL CHLORIDE	5.22	62	187728	7.19	ug/L	97
6) BROMOMETHANE	5.96	94	65177	5.87	ug/L	90
7) CHLOROETHANE	6.25	64	50183	5.83	ug/L	92
8) TRICHLOROFLUOROMETHANE	6.56	101	398569	5.22	ug/L	99
9) ACETONE	8.92	43	94263	14.36	ug/L	97
10) 1,1-DICHLOROETHENE	7.64	61	274132	5.91	ug/L	93
11) METHYLENE CHLORIDE	8.82	49	181444	5.70	ug/L	99
12) METHYL TERT BUTYL ETHER	9.34	73	258449	4.84	ug/L	98
13) TRANS-1,2-DICHLOROETHENE	9.16	61	218389	5.73	ug/L	96
14) 1,1-DICHLOROETHANE	10.40	63	235063	5.55	ug/L	96
15) 2-BUTANONE (MEK)	12.51	43	95102	19.16	ug/L	98
16) 2,2-DICHLOROPROPANE	11.66	77	415182	5.20	ug/L	100
17) CIS-1,2-DICHLOROETHENE	11.44	96	85641	5.70	ug/L	87
18) CHLOROFORM	11.93	83	321039	5.12	ug/L	96
19) BROMOCHLOROMETHANE	11.83	49	95004	5.70	ug/L	93
20) 1,2-DICHLOROETHANE	13.48	62	347026	5.26	ug/L	96
23) 1,1,1-TRICHLOROETHANE	12.39	97	406328	5.16	ug/L	96
24) 1,1-DICHLOROPROPENE	12.61	75	214088	5.32	ug/L	99
25) CARBON TETRACHLORIDE	12.27	117	391094	5.41	ug/L	97
26) BENZENE	13.10	78	282529	5.27	ug/L	97
27) TRICHLOROETHENE	14.19	95	164729	4.35	ug/L	96
28) 1,2-DICHLOROPROPANE	15.23	63	79894	5.44	ug/L	97
29) DIBROMOMETHANE	15.04	174	55805	5.82	ug/L	90
30) BROMODICHLOROMETHANE	15.30	83	258279	5.20	ug/L	96
31) 2-CHLOROETHYL VINYL ETHER	16.32	63	26634	5.66	ug/L	87
32) Methyl iso-butyl ketone	17.68	58	54302	23.89	ug/L	96

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

0319R5.D HP031502.M Tue Mar 19 11:21:12 2002

Page 1

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5.D
 Acq On : 19 Mar 2002 10:46 am
 Sample : ref 5
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 11:21 2002

Vial: 11
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration
 DataAcq Meth : HP031502

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33) CIS-1,3-DICHLOROPROPENE	16.50	75	185561	5.35	ug/L	98
34) TOLUENE	17.00	91	371632	5.21	ug/L	100
35) TRANS-1,3-DICHLOROPROPENE	17.76	75	197724	5.02	ug/L	99
36) 1,1,2-TRICHLOROETHANE	18.10	97	54492	5.28	ug/L	90
37) TETRACHLOROETHENE	17.80	166	154845	5.36	ug/L	95
38) 1,3-DICHLOROPROPANE	18.68	76	115623	5.33	ug/L	96
39) DIBROMOCHLOROMETHANE	18.49	129	127970	5.11	ug/L	97
40) 1,2-DIBROMOETHANE	19.04	107	63339	5.03	ug/L	100
41) CHLOROBENZENE	20.06	112	272271	4.99	ug/L	98
42) 1,1,1,2-TETRACHLOROETHANE	20.16	131	152694	5.03	ug/L	100
43) 2-HEXANONE	17.66	43	244553	26.38	ug/L	98
44) ETHYLBENZENE	21.23	91	525109	4.74	ug/L	99
45) P & M-XYLENE	20.33	106	368744	9.75	ug/L	100
46) O-XYLENE	20.33	91	1066622	4.86	ug/L	100
47) STYRENE	21.33	104	264547	4.77	ug/L	98
48) 1,1,2,2-TETRACHLOROETHANE	22.83	83	52609	4.62	ug/L	78
50) BROMOFORM	21.45	173	64623	6.11	ug/L	96
51) ISOPROPYLBENZENE	21.85	105	628486	5.46	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.19	110	27320	4.84	ug/L	85
54) N-PROPYLBENZENE	23.12	91	616387	5.38	ug/L	95
55) BROMOBENZENE	22.78	156	143216	5.75	ug/L	95
56) 1,3,5-TRIMETHYLBENZENE	23.94	105	616168	5.43	ug/L	99
57) 2-CHLOROTOLUENE	23.12	91	616387	5.38	ug/L	98
58) 4-CHLOROTOLUENE	23.46	91	550141	5.33	ug/L	96
59) TERT-BUTYLBENZENE	23.80	134	113436	5.65	ug/L	91
60) 1,2,4-TRIMETHYLBENZENE	23.09	105	594971	5.42	ug/L	97
61) SEC-BUTYLBENZENE	24.18	105	702530	5.16	ug/L	99
62) P-ISOPROPYLTOLUENE	24.45	119	646437	4.93	ug/L	99
63) 1,3-DICHLOROBENZENE	24.74	146	288079	5.04	ug/L	95
64) 1,4-DICHLOROBENZENE	24.92	146	296384	5.22	ug/L	97
65) N-BUTYLBENZENE	25.37	91	631258	4.82	ug/L	96
66) 1,2-DICHLOROBENZENE	25.86	146	248824	5.08	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	27.59	157	12351	3.96	ug/L	89
68) NITROBENZENE	28.87	77	117678	78.73	ug/L	83
69) 1,2,4-TRICHLOROBENZENE	29.09	180	202984	4.65	ug/L	97
70) HEXACHLOROBUTADIENE	28.95	225	159845	4.84	ug/L	96
71) NAPHTHALENE	29.84	128	205140	4.82	ug/L	98
72) 1,2,3-TRICHLOROBENZENE	30.26	180	168916	4.79	ug/L	98

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

0319R5.D HP031502.M Tue Mar 19 11:21:14 2002

Page 2

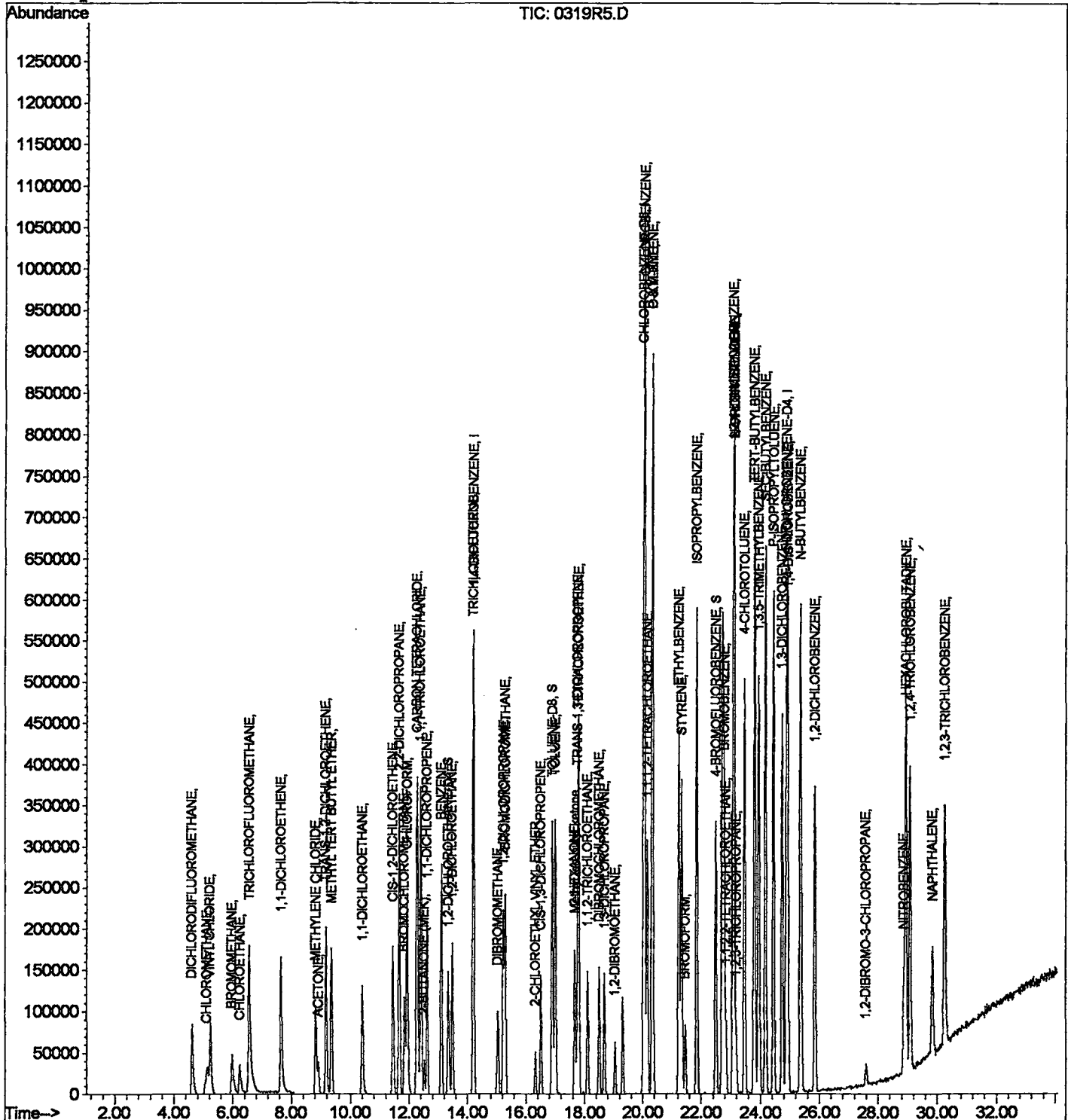
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5.D
Acq On : 19 Mar 2002 10:46 am
Sample : ref 5
Misc :
MS Integration Params: LSCINT.P
Quant Time: Mar 19 11:21 2002 Qu

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP031502.RES

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Method       : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
Title        : VOCs BY EPA METHOD 524
Last Update  : Mon Mar 18 14:36:15 2002
Response via : Initial Calibration
```



User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 03/20/2002 Time: 14:49:34

Sample: AE06055
 Analysis: \$RE524 Reference recovery for 524
 Units: ug
 Started: 3/19/02 00:01 Ended: 3/19/02 00:01 Analyst: BH
 Result source: c:\hpchem\1\data\02mar19\0319r5a.d\0319r5a.rr
 Page: 1

	Component Name	Vol	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		5.3		
2	4-BROMOFLUOROBENZENE		5.4		
3	DICHLORODIFLUOROMETHAN		6.2		.5
4	CHLOROMETHANE		5.5		.5
5	VINYL CHLORIDE		5.6		.5
6	BROMOMETHANE		4.4		.5
7	CHLOROETHANE		4.2		.5
8	TRICHLOROFLUOROMETHAN		3.9		.5
9	ACETONE		15		.5
10	1,1-DICHLOROETHENE		5.9		.5
11	METHYLENE CHLORIDE		6.0		.5
12	METHYL TERT BUTYL ETHER		5.1		1
13	TRANS-1,2-DICHLOROETHEN		5.9		.5
14	1,1-DICHLOROETHANE		5.6		.5
15	2-BUTANONE (MEK)		5.0		.5
16	2,2-DICHLOROPROPANE		5.2		.5
17	CIS-1,2-DICHLOROETHENE		5.8		.5
18	CHLOROFORM		5.4		.5
19	BROMOCHLOROMETHANE		6.0		.5
20	1,2-DICHLOROETHANE		5.6		.5
21	TOLUENE-D8		5.0		
22	1,1,1-TRICHLOROETHANE		5.2		.5
23	1,1-DICHLOROPROPENE		5.1		.5
24	CARBON TETRACHLORIDE		5.2		.5
25	BENZENE		5.3		.5
26	TRICHLOROETHENE		4.4		.5
27	1,2-DICHLOROPROPANE		5.3		.5
28	DIBROMOMETHANE		5.9		.5
29	BROMODICHLOROMETHANE		5.2		.5
30	2-CHLOROETHYL VINYL ETHE		6.5		.5
31	METHYL ISO-BUTYL KETONE		5.5		1
32	CIS-1,3-DICHLOROPROPENE		5.4		.5
33	TOLUENE		5.1		.5
34	TRANS-1,3-DICHLOROPROPE		4.8		.5
35	1,1,2-TRICHLOROETHANE		5.3		.5
36	TETRACHLOROETHENE		5.5		.5
37	1,3-DICHLOROPROPANE		5.4		.5
38	DIBROMOCHLOROMETHANE		5.1		2
39	1,2-DIBROMOETHANE		5.4		.5
40	CHLOROBENZENE		5.2		.5
41	1,1,1,2-TETRACHLOROETHA		5.1		.5
42	2-HEXANONE		6.5		.5
43	ETHYLBENZENE		4.8		.5
44	P & M-XYLENE		9.7		.5
45	O-XYLENE		4.9		.5
46	STYRENE		4.8		.5
47	1,1,2,2-TETRACHLOROETHA		4.9		.5
48	BROMOFORM		5.9		2

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 03/20/2002 Time: 14:49:34

Sample: AE06055
 Analysis: \$RE524 Reference recovery for 524
 Units: ug
 Started: 3/19/02 00:01 Ended: 3/19/02 00:01 Analyst: BH
 Result source: c:\hpcchem\1\data\02mar19\0319r5a.d\0319r5a.rr
 Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		5.4		.5
50	1,2,3-TRICHLOROPROPANE		4.8		.5
51	N-PROPYLBENZENE		5.3		.5
52	BROMOBENZENE		5.8		.5
53	1,3,5-TRIMETHYLBENZENE		5.1		.5
54	2-CHLOROTOLUENE		5.3		.5
55	4-CHLOROTOLUENE		5.1		.5
56	TERT-BUTYLBENZENE		5.4		.5
57	1,2,4-TRIMETHYLBENZENE		5.1		.5
58	SEC-BUTYLBENZENE		4.9		.5
59	P-ISOPROPYLTOLUENE		4.8		.5
60	1,3-DICHLOROBENZENE		5.1		.5
61	1,4-DICHLOROBENZENE		4.9		.5
62	N-BUTYLBENZENE		4.6		.5
63	1,2-DICHLOROBENZENE		4.9		.5
64	1,2-DIBROMO-3-CHLOROPRO		4.0		.5
65	1,2,4-TRICHLOROBENZENE		4.4		.5
66	HEXACHLOROBUTADIENE		4.6		.5
67	NAPHTHALENE		4.6		.5
68	1,2,3-TRICHLOROBENZENE		4.7		.5
69	ETHANOL		< MDL		30
70	NITROBENZENE		79		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5A.D
 Acq On : 19 Mar 2002 11:52 am
 Sample : ref 5
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 12:26 2002

Vial: 12
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration
 DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-DIFLUOROBENZENE	14.21	114	269641	5.00	ug/L	-0.07
21) CHLOROBENZENE-D5	20.03	117	252468	5.00	ug/L	-0.05
49) 1,4-DICHLOROBENZENE-D4	24.89	152	174194	5.00	ug/L	-0.05

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.34	65	258671	5.25	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	105.00%	
22) TOLUENE-D8	16.90	98	309721	5.03	ug/L	-0.07
Spiked Amount	5.000		Recovery	=	100.60%	
52) 4-BROMOFLUOROBENZENE	22.51	95	204508	5.40	ug/L	-0.05
Spiked Amount	5.000		Recovery	=	108.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) DICHLORODIFLUOROMETHANE	4.60	85	253921	6.18	ug/L	99
4) CHLOROMETHANE	5.13	50	127254	5.52	ug/L	91
5) VINYL CHLORIDE	5.22	62	137259	5.60	ug/L	95
6) BROMOMETHANE	5.98	94	45525	4.37	ug/L	85
7) CHLOROETHANE	6.25	64	34279	4.24	ug/L	89
8) TRICHLOROFLUOROMETHANE	6.56	101	280875	3.92	ug/L	99
9) ACETONE	8.92	43	93459	15.26	ug/L	94
10) 1,1-DICHLOROETHENE	7.64	61	258339	5.93	ug/L	94
11) METHYLENE CHLORIDE	8.82	49	180103	6.03	ug/L	99
12) METHYL TERT BUTYL ETHER	9.34	73	257113	5.13	ug/L	97
13) TRANS-1,2-DICHLOROETHENE	9.16	61	209294	5.85	ug/L	98
14) 1,1-DICHLOROETHANE	10.40	63	223072	5.62	ug/L	97
15) 2-BUTANONE (MEK)	12.51	43	91457	19.64	ug/L	91
16) 2,2-DICHLOROPROPANE	11.67	77	390414	5.21	ug/L	95
17) CIS-1,2-DICHLOROETHENE	11.44	96	82216	5.83	ug/L	94
18) CHLOROFORM	11.93	83	316897	5.39	ug/L	98
19) BROMOCHLOROMETHANE	11.83	49	93740	6.00	ug/L	96
20) 1,2-DICHLOROETHANE	13.48	62	344608	5.57	ug/L	99
23) 1,1,1-TRICHLOROETHANE	12.39	97	407818	5.25	ug/L	98
24) 1,1-DICHLOROPROPENE	12.61	75	203406	5.12	ug/L	99
25) CARBON TETRACHLORIDE	12.27	117	373773	5.23	ug/L	99
26) BENZENE	13.10	78	281178	5.31	ug/L	97
27) TRICHLOROETHENE	14.19	95	163481	4.37	ug/L	97
28) 1,2-DICHLOROPROPANE	15.23	63	77374	5.33	ug/L	95
29) DIBROMOMETHANE	15.04	174	55399	5.85	ug/L	93
30) BROMODICHLOROMETHANE	15.30	83	257525	5.25	ug/L	95
31) 2-CHLOROETHYL VINYL ETHER	16.32	63	30119	6.48	ug/L	86
32) Methyl iso-butyl ketone	17.68	58	49532	22.06	ug/L	96

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

0319R5A.D HP031502.M

Tue Mar 19 12:27:01 2002

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Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5A.D
 Acq On : 19 Mar 2002 11:52 am
 Sample : ref 5
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 12:26 2002

Vial: 12
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration
 DataAcq Meth : HP031502

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
33) CIS-1,3-DICHLOROPROPENE	16.50	75	183565	5.36	ug/L	99
34) TOLUENE	17.00	91	358620	5.09	ug/L	98
35) TRANS-1,3-DICHLOROPROPENE	17.76	75	188328	4.84	ug/L	96
36) 1,1,2-TRICHLOROETHANE	18.10	97	54524	5.35	ug/L	97
37) TETRACHLOROETHENE	17.80	166	156485	5.49	ug/L	95
38) 1,3-DICHLOROPROPANE	18.68	76	114939	5.37	ug/L	93
39) DIBROMOCHLOROMETHANE	18.49	129	124908	5.05	ug/L	92
40) 1,2-DIBROMOETHANE	19.04	107	67054	5.39	ug/L	88
41) CHLOROBENZENE	20.06	112	280117	5.20	ug/L	92
42) 1,1,1,2-TETRACHLOROETHANE	20.16	131	151913	5.07	ug/L	95
43) 2-HEXANONE	17.66	43	240341	26.24	ug/L	96
44) ETHYLBENZENE	21.23	91	520738	4.76	ug/L	97
45) P & M-XYLENE	20.33	106	363566	9.73	ug/L	99
46) O-XYLENE	20.33	91	1068408	4.93	ug/L	100
47) STYRENE	21.33	104	265709	4.85	ug/L	98
48) 1,1,2,2-TETRACHLOROETHANE	22.83	83	55122	4.90	ug/L	96
50) BROMOFORM	21.45	173	64008	5.90	ug/L	98
51) ISOPROPYLBENZENE	21.85	105	633568	5.36	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.19	110	27874	4.81	ug/L	86
54) N-PROPYLBENZENE	23.12	91	622761	5.30	ug/L	100
55) BROMOBENZENE	22.78	156	147516	5.77	ug/L	98
56) 1,3,5-TRIMETHYLBENZENE	23.94	105	598144	5.14	ug/L	97
57) 2-CHLOROTOLUENE	23.12	91	622761	5.30	ug/L	100
58) 4-CHLOROTOLUENE	23.46	91	538062	5.08	ug/L	94
59) TERT-BUTYLBENZENE	23.80	134	110829	5.38	ug/L	91
60) 1,2,4-TRIMETHYLBENZENE	23.09	105	577046	5.12	ug/L	98
61) SEC-BUTYLBENZENE	24.18	105	687573	4.92	ug/L	99
62) P-ISOPROPYLTOLUENE	24.45	119	642591	4.77	ug/L	94
63) 1,3-DICHLOROBENZENE	24.74	146	297225	5.07	ug/L	96
64) 1,4-DICHLOROBENZENE	24.92	146	287545	4.93	ug/L	99
65) N-BUTYLBENZENE	25.37	91	621057	4.62	ug/L	96
66) 1,2-DICHLOROBENZENE	25.86	146	246065	4.90	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	27.59	157	12743	3.98	ug/L	93
68) NITROBENZENE	28.87	77	121598	79.26	ug/L	87
69) 1,2,4-TRICHLOROBENZENE	29.09	180	197995	4.41	ug/L	96
70) HEXACHLOROBUTADIENE	28.94	225	155360	4.58	ug/L	97
71) NAPHTHALENE	29.84	128	200783	4.60	ug/L	97
72) 1,2,3-TRICHLOROBENZENE	30.26	180	171928	4.75	ug/L	94

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

0319R5A.D HP031502.M Tue Mar 19 12:27:03 2002

Page 2

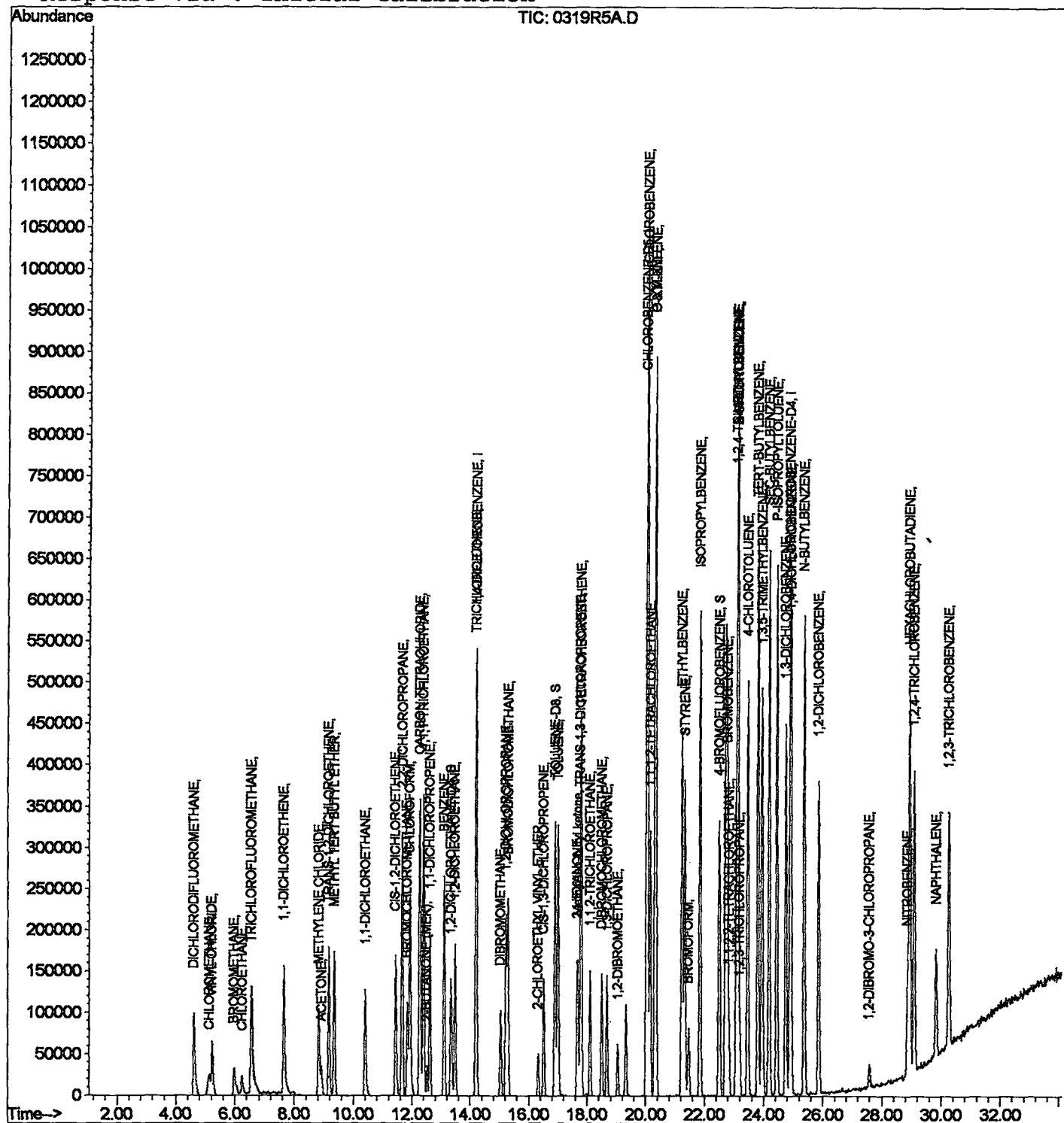
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar19\0319R5A.D
Acq On : 19 Mar 2002 11:52 am
Sample : ref 5
Misc :
MS Integration Params: LSCINT.P
Quant Time: Mar 19 12:26 2002

Vial: 12
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP031502.RES

Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 18 14:36:15 2002
Response via : Initial Calibration



Comments for Sample AE06055 - Analysis VOCCOMNT

Westchester Dept. of Labs & Research

User: Vannelli, Sandy

Date: 03-27-2002 Time: 17:22:09

This sample does not appear to have any extraneous peaks. Although the qc associated with it passed, the chromatography of the sample shows a dip in the baseline thereby placing doubt in qualitative and quantitative results.

REVIEWED BY	<u>SV</u>
DATE	<u>3/27/02</u>

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\6055.D

Vial: 2

Acq On : 19 Mar 2002 2:54 pm

Operator:

Sample : nyc

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Mar 19 15:28 2002

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Mon Mar 18 14:36:15 2002

Response via : Initial Calibration

DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.21	114	256149	5.00	ug/L	-0.07
21) CHLOROBENZENE-D5	20.03	117	226909	5.00	ug/L	-0.05
49) 1,4-DICHLOROBENZENE-D4	24.89	152	141923	5.00	ug/L	-0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	13.34	65	240443	5.14	ug/L	-0.07
Spiked Amount 5.000			Recovery	=	102.80%	
22) TOLUENE-D8	16.90	98	282324	5.10	ug/L	-0.07
Spiked Amount 5.000			Recovery	=	102.00%	
52) 4-BROMOFLUOROBENZENE	22.51	95	173015	5.61	ug/L	-0.05
Spiked Amount 5.000			Recovery	=	112.20%	
Target Compounds						
9) ACETONE	8.92	43	22830	2.84	ug/L	# 71
27) TRICHLOROETHENE	14.21	95	16172	0.48	ug/L	# 15
68) NITROBENZENE	28.92	77	3919	3.14	ug/L	# 22

12/3/02

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

6055.D HP031502.M Tue Mar 19 15:28:29 2002

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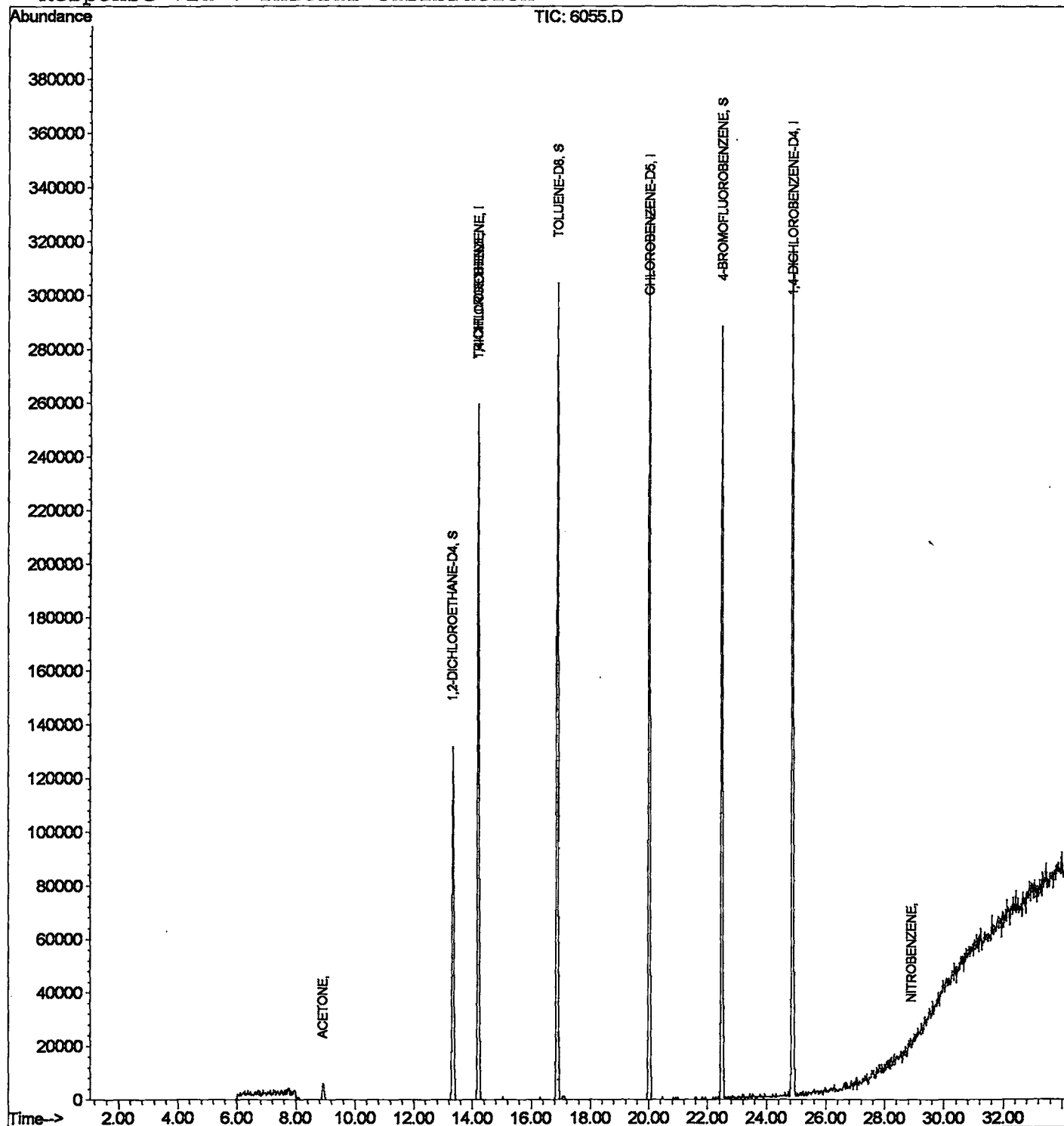
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar19\6055.D
 Acq On : 19 Mar 2002 2:54 pm
 Sample : nyc
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 15:28 2002

Vial: 2
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration



6055.D HP031502.M

Tue Mar 19 15:28:31 2002

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Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar19\0319BL2.D
 Acq On : 19 Mar 2002 1:29 pm
 Sample : lb
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Mar 19 14:03 2002

Vial: 1
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP031502.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Mon Mar 18 14:36:15 2002
 Response via : Initial Calibration
 DataAcq Meth : HP031502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.23	114	274846	5.00	ug/L	-0.05
21) CHLOROBENZENE-D5	20.03	117	264532	5.00	ug/L	-0.05
49) 1,4-DICHLOROBENZENE-D4	24.89	152	180858	5.00	ug/L	-0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	13.36	65	402774	8.02	ug/L	-0.05
Spiked Amount 5.000			Recovery	=	160.40%	
22) TOLUENE-D8	16.90	98	317805	4.93	ug/L	-0.07
Spiked Amount 5.000			Recovery	=	98.60%	
52) 4-BROMOFLUOROBENZENE	22.51	95	218413	5.56	ug/L	-0.05
Spiked Amount 5.000			Recovery	=	111.20%	
Target Compounds						
9) ACETONE	8.94	43	5236	-0.54	ug/L #	71
15) 2-BUTANONE (MEK)	12.53	43	16778	3.53	ug/L	68
27) TRICHLOROETHENE	14.23	95	17434	0.45	ug/L #	15
68) NITROBENZENE	28.87	77	7934	4.98	ug/L #	33

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

0319BL2.D HP031502.M Tue Mar 19 14:03:25 2002

Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar19\0319BL2.D
Acq On : 19 Mar 2002 1:29 pm
Sample : lb
Misc :
MS Integration Params: LSCINT.P
Quant Time: Mar 19 14:03 2002

Vial: 1
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP031502.RES

Method : C:\HPCHEM\1\METHODS\HP031502.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 18 14:36:15 2002
Response via : Initial Calibration

