This document contains more pages.

Please see the previous VFC document.

R509820 Heritage Environmental Services, LLC Q1888672

QC Report

QCType CCVD Duplicate SampleID DataFile 9460E.D
Date Entered 04Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 03Oct06 05:47:00 Method Matrix Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.4452			12.4
236	CHLOROMETHANE	0.4146		0.3610			12.9
768	VINYL CHLORIDE	0.3860		0.3693			4.3
198	BROMOMETHANE	50.0		43.8	QDR		12.4
234	CHLOROETHANE	0.2004		0.1936			3.4
372	TRICHLOROFLUOROMETHANE	0.5591		0.5838			4.4
105	ACROLEIN	0.0107		0.0101			5.6
305	DIETHYL ETHER	0.2396		0.2546			6.3
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.6817			9.2
99	ACETONE (2-PROPANONE)	0.1311		0.1216			7.2
8	1,1-DICHLOROETHENE	0.3227		0.3453			7
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		53.0	QDR		6
106	ACRYLONITRILE	0.0926		0.0511			44.8
216	CARBON DISULFIDE	50.0		54.0	QDR		8
767	VINYL ACETATE	0.3073		0.3227			5
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.3954			9.9
7	1,1-DICHLOROETHANE	0.8247		0.8130			1.4
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.7726			7.9
860	DI-ISOPROPYL ETHER (IPE)	1.9844		1.9074			3.9
52	2-BUTANONE	0.8481		0.8133			4.1
348	ETHYL ACETATE	50.0		53.9	QDR		7.8
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4185			6.7
235	CHLOROFORM	0.7814		0.8019			2.6
194	BROMOCHLOROMETHANE	0.2684		0.2921			8.8
709	TETRAHYDROFURAN	0.0787		0.0748			5
2	1,1,1-TRICHLOROETHANE	0.5757		0.5995			4.1
422	IODOMETHANE	0.8811		0.8853			.5
10	1,1-DICHLOROPROPENE	0.5823		0.5977			2.6
217	CARBON TETRACHLORIDE	0.5269		0.5437			3.2
21	1,2-DICHLOROETHANE	0.5401		0.5331			1.3
1525	2-BUTANOL	0.0156		0.0168			7.7
151	BENZENE	0.9084		0.9510			4.7
517	N-BUTANOL	0.0077		0.0080			3.9
750	TRICHLOROETHENE	0.4167		0.4664			11.9
23	1,2-DICHLOROPROPANE	0.5518		0.5275			4.4
299	DICHLOROBROMOMETHANE	0.8323		0.8578			3.1
296	DIBROMOMETHANE	0.4550		0.4705			3.4
91	4-METHYL-2-PENTANONE	0.6883		0.6485			5.8
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.6941			3.4
724	TOLUENE	0.9845		1.0469			6.3
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5554			5.9
4	1,1,2-TRICHLOROETHANE	0.3808		0.4064			6.7
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6267			8.4
60	2-HEXANONE	0.6826		0.6442			5.6

10/4/06

R509820 Heritage Environmental Services, LLC Q1888672

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8551			3.5
703	TETRACHLOROETHENE	0.7086		0.8078			14
295	DIBROMOCHLOROMETHANE	0.9057		0.9339			3.1
231	CHLOROBENZENE	1.0074		1.0387			3.1
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5771			1.5
349	ETHYL BENZENE	0.4280		0.4379			2.3
492	M/P-XYLENE	0.4912		0.5248			6.8
549	O-XYLENE	0.4976		0.5252			5.5
680	STYRENE	0.8176		0.8602			5.2
197	BROMOFORM	0.7927		0.8488			7.1
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.4610			6
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.7271			1
193	BROMOBENZENE	2.7665		2.8460			2.9
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3556			5.1
532	N-PROPYLBENZENE	0.3642		0.3841			5.5
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.8567			9.6
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.7220			5.9
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.7018			10.5
702	TERT-BUTYLBENZENE	1.9118		2.0906			9.4
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.7826			8.9
644	SEC-BUTYLBENZENE	2.7285		2.8269			3.6
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.8298			11.4
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.4936			14.2
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.5144			11.1
519	N-BUTYLBENZENE	1.0969		1.2445			13.5
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.4672			9.1
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4609			9.2
16	1,2,4-TRICHLOROBENZENE	0.7389		1.0282			39.2
493	NAPHTHALENE	1.1332		1.3874			22.4
398	HEXACHLOROBUTADIENE	0.8337		1.0131			21.5
13	1,2,3-TRICHLOROBENZENE	0.6814		0.9396			37.9
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2685			2.7
301	DICHLOROETHANE-D4	0.4057		0.3941			2.9
726	TOLUENE-D8	0.8893		0.8926			.4
3362	DIBROMOFLUOROMETHANE	0.6387		0.6353			.5
196	4-BROMOFLUOROBENZENE	0.7304		0.7667			5

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (UG/KG MG/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9460E.D Vial: 1
Acq On : 3 Oct 06 5:47 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/3/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 3 6:17 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1763760	50.00	UG/L	0.06
51) CHLOROBENZENE-d5	18.51	117	1300669	50.00	UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	715080	50.00	UG/L	0.04
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.20	65	695059	48.57	UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 97.14%#			
44) Toluene-d8	15.33	98	1574351	50.19	UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.38%#			
47) Dibromofluoromethane	10.53	113	1120501	49.73	UG/L	0.06
Spiked Amount 50.000			Recovery = 99.46%			
50) 4-Bromofluorobenzene	20.69	95	1352268	52.49	UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 104.98%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.68	85	785241	43.79	UG/L	100
3) Chloromethane	4.08	50	636655	43.53	UG/L	100
4) VINYL CHLORIDE	4.25	62	651284	47.83	UG/L	96
5) Bromomethane	4.81	94	391652m	43.81	UG/L	100
6) Chloroethane	4.99	64	341427	48.31	UG/L	98
7) Trichlorofluoromethane	5.49	101	1029665	52.21	UG/L	98
8) Acrolein	7.80	56	88824	234.51	UG/L	100
9) Diethyl Ether	6.02	59	448996	53.13	UG/L	100
10) Trichlorotrifluoroethane	6.43	101	1202436	54.60	UG/L #	100
11) Acetone	6.56	43	214525	46.37	UG/L	90
12) 1,1-DICHLOROETHENE	6.43	96	609108	53.51	UG/L	100
13) Methylene Chloride	7.29	84	771721	53.00	UG/L	85
14) Acrylonitrile	7.75	53	450705	138.02	UG/L	100
15) Carbon Disulfide	6.86	76	2091843	54.01	UG/L	99
16) Vinyl Acetate	7.78	43	569198	52.51	UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	697363	54.95	UG/L #	70
18) 1,1-Dichloroethane	8.56	63	1433924	49.29	UG/L	100
19) Methyl-t-butyl Ether	7.80	73	1362631	53.96	UG/L	100
20) Diispropyl Ether	8.65	45	3364268	48.06	UG/L	100
21) 2-Butanone	9.73	43	1434463	47.95	UG/L #	59
22) Ethyl Acetate	9.72	88	26235m	53.93	UG/L	100
23) cis-1,2-Dichloroethene	9.63	96	738205	53.35	UG/L #	45

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9460E.D
Acq On : 3 Oct 06 5:47
Sample : VSTD050
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 6:17 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.21	83	1414404	51.32 UG/L	97
25) Bromochloromethane	10.09	128	515222	54.41 UG/L	87
26) 2,2-Dichloropropane	9.63	77	1000710	53.86 UG/L #	100
27) Tetrahydrofuran	10.19	42	659713	237.67 UG/L	100
28) 1,1,1-Trichloroethane	10.60	97	1057376	52.07 UG/L #	100
29) Iodomethane	6.72	142	1561412	50.23 UG/L	100
30) 1,1-Dichloropropene	10.92	75	1054267	51.32 UG/L #	100
32) Carbon Tetrachloride	10.92	117	959010	51.59 UG/L	93
33) 1,2-Dichloroethane	11.35	62	940186	49.35 UG/L #	100
34) Isobutanol	11.13	43	4906682	8944.62 UG/L	100
35) Benzene	11.33	78	1677278	52.35 UG/L	100
36) N-Butanol	12.48	43	1713528	6291.26 UG/L	100
37) Trichloroethene	12.64	130	822647	55.97 UG/L	98
38) 1,2-DICHLOROPROPANE	13.13	63	930460	47.80 UG/L	100
39) Bromodichloromethane	13.69	83	1512880	51.53 UG/L	100
40) Dibromomethane	13.38	93	829890	51.71 UG/L	99
41) 2-Chloroethylvinylether	14.34	63	473494	48.64 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	1143856	47.11 UG/L	93
43) cis-1,3-Dichloropropene	14.69	75	1224225	51.70 UG/L	100
45) TOLUENE	15.49	91	1846472	53.17 UG/L	100
46) trans-1,3-Dichloropropene	15.98	75	979602	52.97 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	716852	53.37 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1105340	54.19 UG/L #	100
52) 2-Hexanone	16.98	43	837905	47.19 UG/L #	91
53) 1,3-Dichloropropane	16.80	76	1112143	48.25 UG/L	100
54) Tetrachloroethene	16.76	166	1050712	57.00 UG/L	97
55) Dibromochloromethane	17.31	129	1214649	51.56 UG/L	100
56) Chlorobenzene	18.58	112	1351016	51.55 UG/L	96
57) 1,1,1,2-Tetrachloroethane	18.73	131	750571	50.73 UG/L	100
58) ETHYL BENZENE	18.78	106	569581	51.16 UG/L	92
59) m,p-Xylene	19.01	106	1365238	106.85 UG/L	77
60) o-Xylene	19.75	106	683125	52.78 UG/L	83
61) Styrene	19.79	104	1118790	52.60 UG/L #	42
62) Bromoform	20.13	173	1103992	53.54 UG/L	100
64) Isopropylbenzene	20.42	105	1759831	53.01 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	1234982	50.50 UG/L #	100
66) Bromobenzene	20.96	77	2035132	51.44 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9460E.D
Acq On : 3 Oct 06 5:47
Sample : VSTD050
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 6:17 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.02	110	254266	52.57 UG/L	100
68) n-Propylbenzene	21.13	92	274656	52.73 UG/L	81
69) 1,3,5-Trimethylbenzene	21.42	105	1327687	54.79 UG/L	100
70) 2-Chlorotoluene	21.29	126	516311	52.93 UG/L	100
71) 4-Chlorotoluene	21.47	126	501826	55.23 UG/L	100
72) t-Butylbenzene	21.96	119	1494974	54.68 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	1274680	54.44 UG/L	100
74) sec-Butylbenzene	22.29	105	2021467	51.80 UG/L	100
75) p-Isopropyltoluene	22.52	119	1308470	55.72 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	1068062	57.11 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	1082883	55.53 UG/L	100
78) n-Butylbenzene	23.14	92	889927	56.73 UG/L	97
79) 1,2-Dichlorobenzene	23.20	146	1049144	54.56 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	329573	54.58 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	735259	69.57 UG/L	100
82) Naphthalene	26.37	128	992132	61.22 UG/L	100
83) Hexachlorobutadiene	26.15	225	724426	60.76 UG/L	100
84) 1,2,3-Trichlorobenzene	26.85	180	671890	68.95 UG/L	100

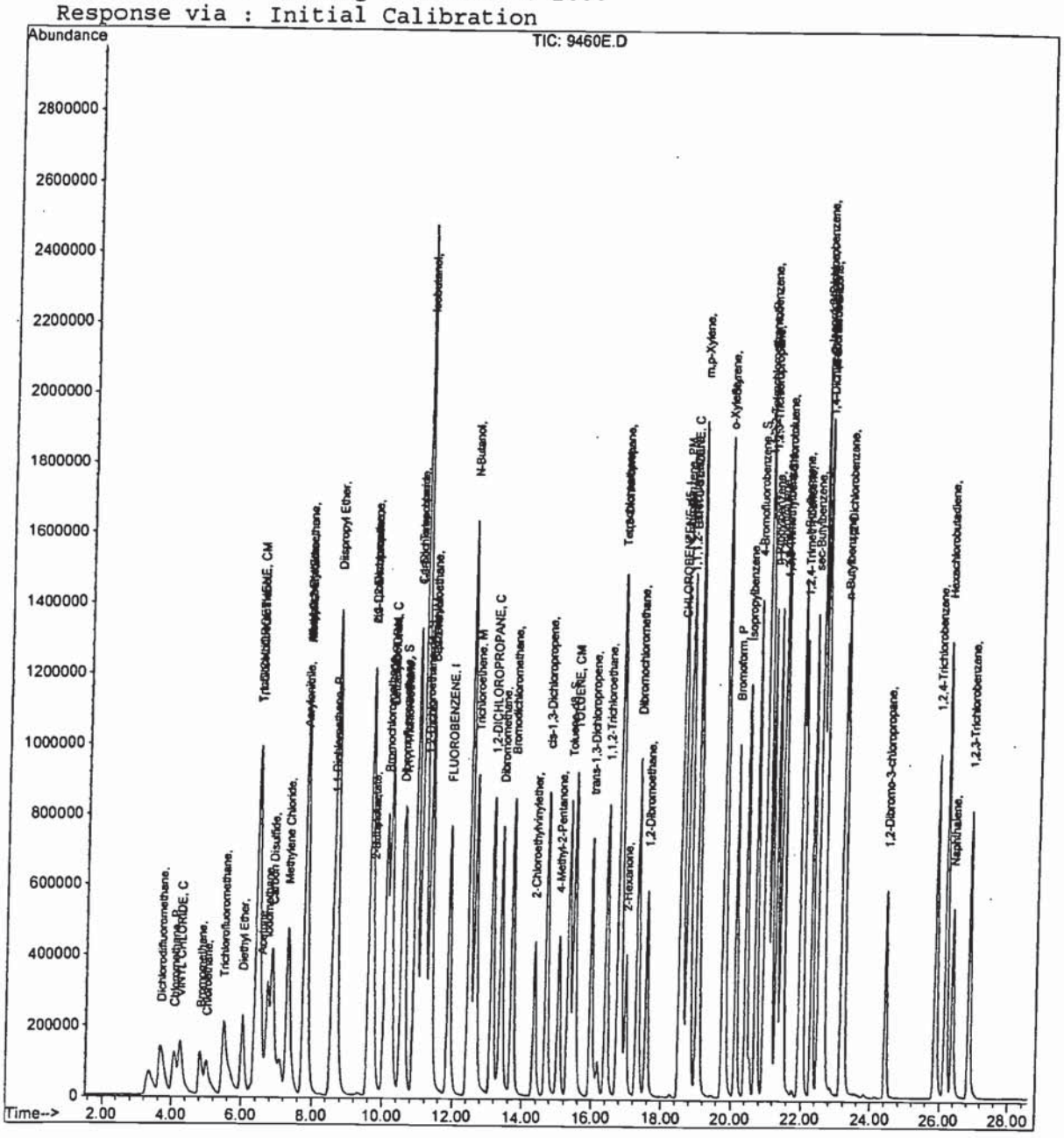
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9460E.D
Acq On : 3 Oct 06 5:47
Sample : VSTD050
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 6:17 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

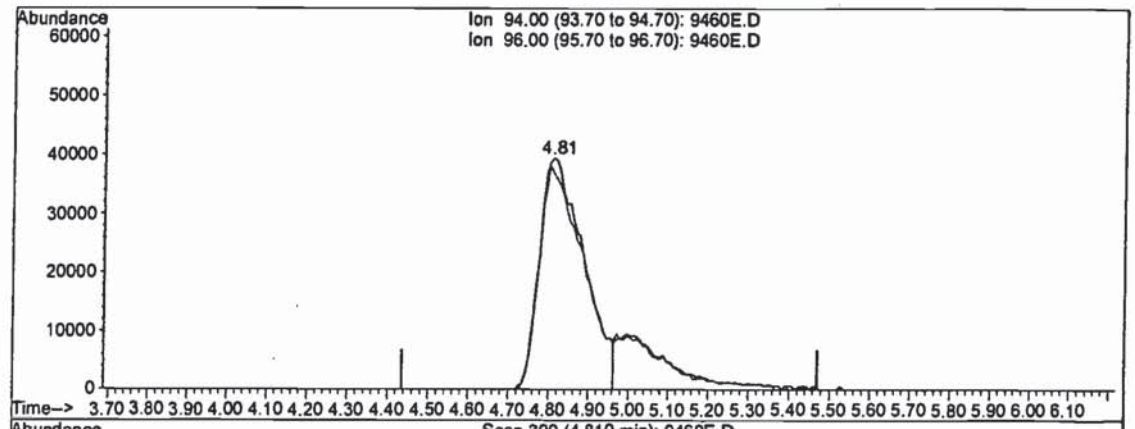


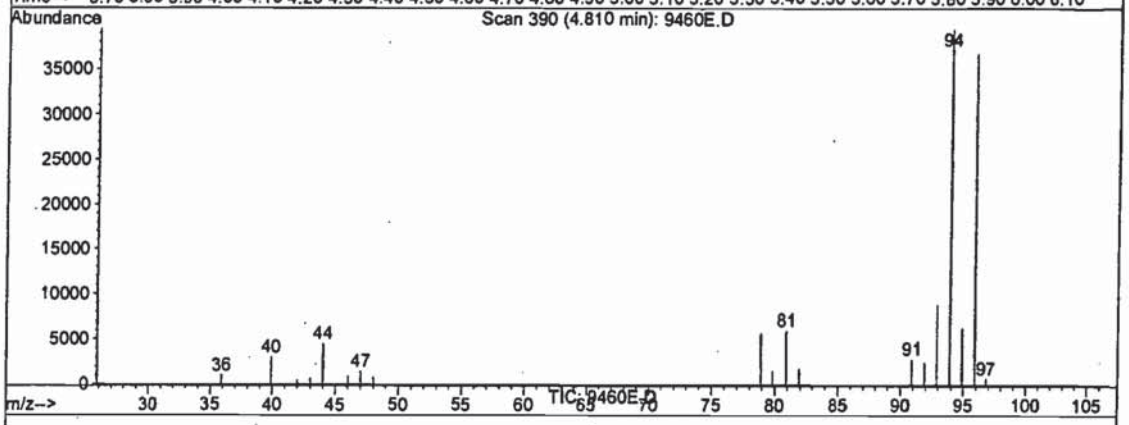
Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9460E.D
Acq On : 3 Oct 06 5:47
Sample : VSTD050
Misc : CALIBRATION CHECK 10/3/06
Quant Time: Oct 3 6:16 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.81min 31.17UG/L

response 303691

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	96.42
0.00	0.00	0.00
0.00	0.00	0.00

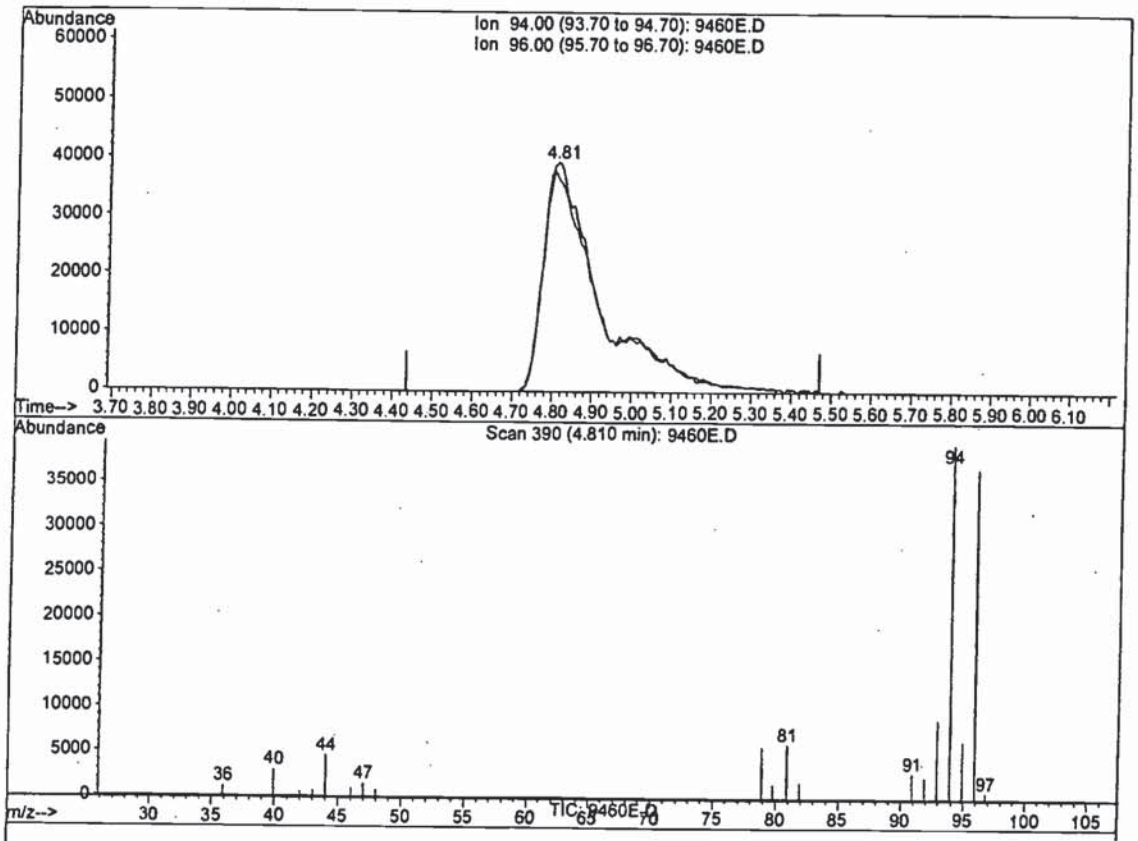
9460E.D 8260E1.M Tue Oct 03 06:16:59 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9460E.D
Acq On : 3 Oct 06 5:47
Sample : VSTD050
Misc : CALIBRATION CHECK 10/3/06
Quant Time: Oct 3 6:17 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.81min 43.81UG/L m

response 391652

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	74.77#
0.00	0.00	0.00
0.00	0.00	0.00

9460E.D 8260E1.M Tue Oct 03 06:17:05 2006

Continuing Calibration Report

Data File : C:\HPCHEM\DATA\E100306\9461E.D
Acq On : 3 Oct 06 6:26
Sample : SPECIAL MIX STD
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p

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

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

cal 5 = 8518E.D cal 20 = 8520E.D cal 50 = 8521E.D
cal100 = 8731E.D cal -1 =

		Compound	AvgRF	CCRF	%Dev
1	I	FLUOROBENZENE	1.00000	1.00000	0.0
2		Allyl Chloride	11.99387	11.32611	5.6
3		Acetonitrile	0.09000	0.08434	6.3
4		Chloroprene	0.16095	0.00000	100.0#
5		Ethyl Cyanide	0.39194	0.37666	3.9
6		Methacrylonitrile	0.94119	0.69307	26.4#
7		1,4-Dioxane	0.07731	0.06379	17.5
8		Methyl Methacrylate	6.60053	5.80649	12.0
9	I	CHLOROBENZENE-d5	1.00000	1.00000	0.0
10		Ethyl Methacrylate	7.30232	6.92610	5.2
11	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.0
12		trans-1,4-Dichloro-2-butene	1.87829	1.97609	5.2

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

8521E.D APPIXX.M Tue Oct 03 06:55:28 2006
Average RPD= 20.22

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9461E.D
Acq On : 3 Oct 06 6:26
Sample : SPECIAL MIX STD
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 6:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1650250	50.00 UG/L	0.01
9) CHLOROBENZENE-d5	18.51	117	1246791	50.00 UG/L	0.00
11) 1,4-Dichlorobenzene-d4	22.58	152	779696	50.00 UG/L	0.00

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	7.07	41	18690912	47.22 UG/L	100
3) Acetonitrile	7.06	40	4175622	1376.07 UG/L #	100
5) Ethyl Cyanide	9.85	54	6215790	480.50 UG/L #	100
6) Methacrylonitrile	10.13	67	11437436	432.14 UG/L #	100
7) 1,4-Dioxane	13.44	88	1473770	577.57 UG/L	100
8) Methyl Methacrylate	16.18	41	9582152	43.98 UG/L	100
10) Ethyl Methacrylate	16.18	69	8635405	54.96 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.54	53	3081506	120.35 UG/L #	100

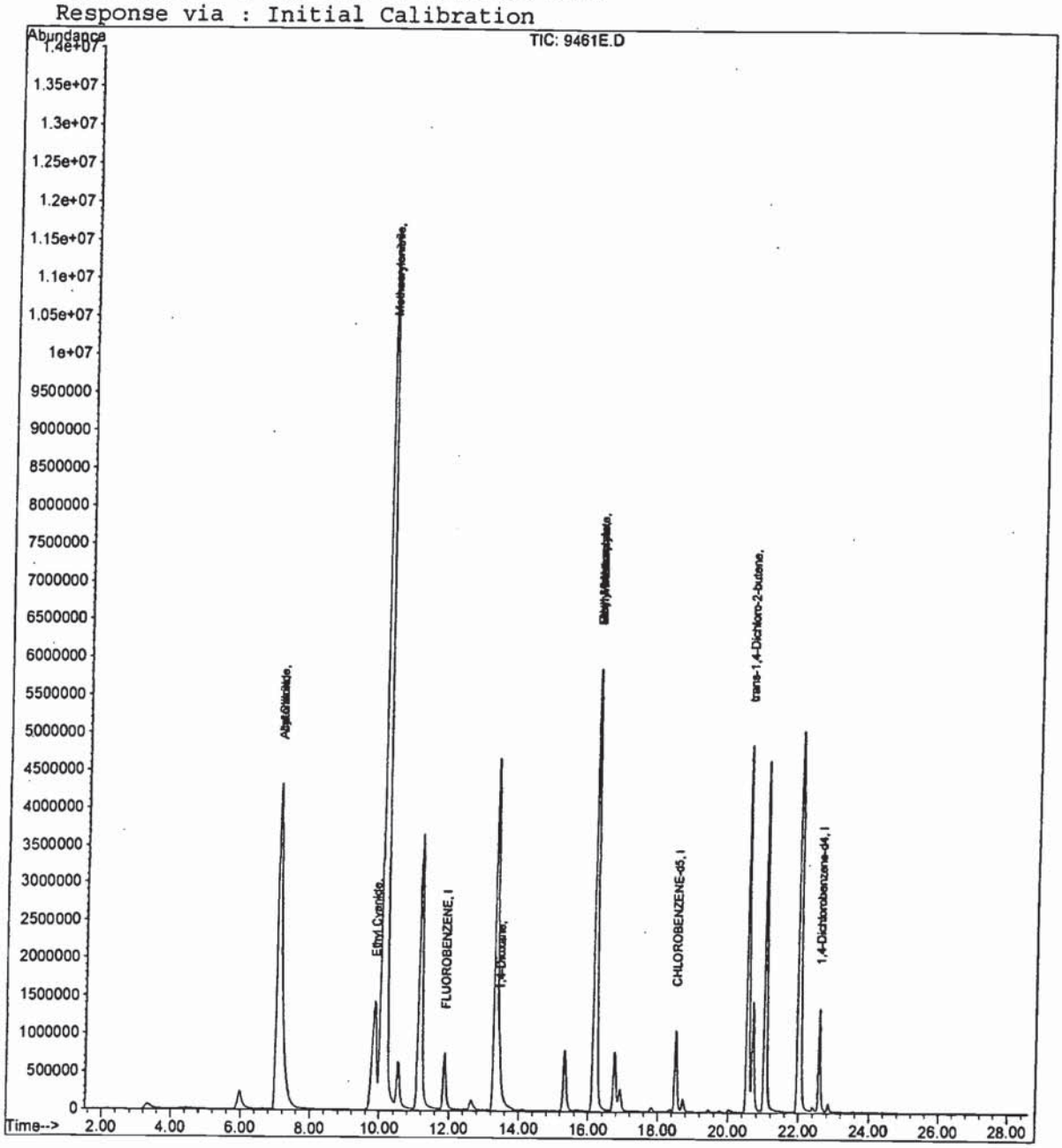
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9461E.D
Acq On : 3 Oct 06 6:26
Sample : SPECIAL MIX STD
Misc : CALIBRATION CHECK 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 6:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration



R509893 Heritage Environmental Services, LLC Q1888980

QC Report

QCType CCVD | Duplicate SampleID | DataFile 9480E.D
Date Entered 05Oct06 | Duplicate QCSampleID | Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 05:28:00 | Method | Matrix | Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.4286			15.7
236	CHLOROMETHANE	0.4146		0.3794			8.5
768	VINYL CHLORIDE	0.3860		0.3838			.6
198	BROMOMETHANE	50.0		42.7	QDR		14.6
234	CHLOROETHANE	0.2004		0.2014			.5
372	TRICHLOROFLUOROMETHANE	0.5591		0.6019			7.7
105	ACROLEIN	0.0107		0.0112			4.7
305	DIETHYL ETHER	0.2396		0.2740			14.4
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.7212			15.5
99	ACETONE (2-PROPANONE)	0.1311		0.1344			2.5
8	1,1-DICHLOROETHENE	0.3227		0.3647			13
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		57.0	QDR		14
106	ACRYLONITRILE	0.0926		0.0447			51.7
216	CARBON DISULFIDE	50.0		58.0	QDR		16
767	VINYL ACETATE	0.3073		0.3415			11.1
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.4142			15.1
7	1,1-DICHLOROETHANE	0.8247		0.8743			6
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8348			16.6
860	DI-ISOPROPYL ETHER (IPE)	1.9844		2.0866			5.2
52	2-BUTANONE	0.8481		0.9027			6.4
348	ETHYL ACETATE	50.0		66.2	QDR		32.4
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4621			17.8
235	CHLOROFORM	0.7814		0.8334			6.7
194	BROMOCHLOROMETHANE	0.2684		0.2973			10.8
709	TETRAHYDROFURAN	0.0787		0.0849			7.9
2	1,1,1-TRICHLOROETHANE	0.5757		0.6164			7.1
422	IODOMETHANE	0.8811		0.8650			1.8
10	1,1-DICHLOROPROPENE	0.5823		0.6316			8.5
217	CARBON TETRACHLORIDE	0.5269		0.5601			6.3
21	1,2-DICHLOROETHANE	0.5401		0.5512			2.1
1525	2-BUTANOL	0.0156		0.0191			22.4
151	BENZENE	0.9084		1.0103			11.2
517	N-BUTANOL	0.0077		0.0090			16.9
750	TRICHLOROETHENE	0.4167		0.4810			15.4
23	1,2-DICHLOROPROPANE	0.5518		0.5749			4.2
299	DICHLOROBROMOMETHANE	0.8323		0.8972			7.8
296	DIBROMOMETHANE	0.4550		0.4965			9.1
91	4-METHYL-2-PENTANONE	0.6883		0.7173			4.2
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7329			9.2
724	TOLUENE	0.9845		1.0759			9.3
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5785			10.3
4	1,1,2-TRICHLOROETHANE	0.3808		0.4292			12.7
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6546			13.2
60	2-HEXANONE	0.6826		0.6808			.3

RD 10/5/06

R509893 Heritage Environmental Services, LLC Q1888980

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8865			0
703	TETRACHLOROETHENE	0.7086		0.7862			11
295	DIBROMOCHLOROMETHANE	0.9057		0.9416			4
231	CHLOROBENZENE	1.0074		1.0289			2.1
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5837			2.6
349	ETHYL BENZENE	0.4280		0.4369			2.1
492	M/P-XYLENE	0.4912		0.5099			3.8
549	O-XYLENE	0.4976		0.5119			2.9
680	STYRENE	0.8176		0.8613			5.3
197	BROMOFORM	0.7927		0.8548			7.8
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.3981			3.3
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.7622			3.1
193	BROMOBENZENE	2.7665		2.8195			1.9
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3565			5.4
532	N-PROPYLBENZENE	0.3642		0.3763			3.3
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.8138			7.1
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.7060			3.5
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.6873			8.2
702	TERT-BUTYLBENZENE	1.9118		2.0678			8.2
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.7931			9.5
644	SEC-BUTYLBENZENE	2.7285		2.8231			3.5
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.7852			8.7
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.4208			8.7
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.4799			8.5
519	N-BUTYLBENZENE	1.0969		1.2002			9.4
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.4143			5.2
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4716			11.7
16	1,2,4-TRICHLOROBENZENE	0.7389		0.9541			29.1
493	NAPHTHALENE	1.1332		1.4039			23.9
398	HEXACHLOROBUTADIENE	0.8337		1.0018			20.2
13	1,2,3-TRICHLOROBENZENE	0.6814		0.8969			31.6
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2943			6.6
301	DICHLOROETHANE-D4	0.4057		0.3862			4.8
726	TOLUENE-D8	0.8893		0.8995			1.1
3362	DIBROMOFLUOROMETHANE	0.6387		0.6440			.8
196	4-BROMOFLUOROBENZENE	0.7304		0.7939			8.7

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (MG/KG UG/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D Vial: 1
Acq On : 4 Oct 06 5:28 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1729055	50.00	UG/L	0.05
51) CHLOROBENZENE-d5	18.50	117	1304464	50.00	UG/L	0.03
63) 1,4-Dichlorobenzene-d4	22.57	152	728830	50.00	UG/L	0.02
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.20	65	667794	47.60	UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 95.20%#			
44) Toluene-d8	15.31	98	1555310	50.58	UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 101.16%#			
47) Dibromofluoromethane	10.51	113	1113434	50.41	UG/L	0.05
Spiked Amount 50.000			Recovery = 100.82%			
50) 4-Bromofluorobenzene	20.68	95	1372769	54.35	UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 108.70%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.67	85	741002	42.15	UG/L	100
3) Chloromethane	4.05	50	655934	45.74	UG/L	100
4) VINYL CHLORIDE	4.23	62	663550	49.71	UG/L	98
5) Bromomethane	4.80	94	377049m	42.69	UG/L	98
6) Chloroethane	4.99	64	348214	50.26	UG/L #	83
7) Trichlorofluoromethane	5.48	101	1040801	53.83	UG/L	99
8) Acrolein	7.77	56	96883	260.93	UG/L	100
9) Diethyl Ether	6.00	59	473724	57.18	UG/L	100
10) Trichlorotrifluoroethane	6.41	101	1247052	57.76	UG/L #	100
11) Acetone	6.55	43	232319	51.23	UG/L	89
12) 1,1-DICHLOROETHENE	6.43	96	630530	56.51	UG/L	100
13) Methylene Chloride	7.29	84	806027	56.96	UG/L	80
14) Acrylonitrile	7.74	53	386201	120.64	UG/L	100
15) Carbon Disulfide	6.84	76	2191953	58.05	UG/L	98
16) Vinyl Acetate	7.78	43	590458	55.56	UG/L	100
17) trans-1,2-Dichloroethene	7.77	96	716166	57.56	UG/L #	72
18) 1,1-Dichloroethane	8.54	63	1511628	53.00	UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1443439	58.31	UG/L	100
20) Diispropyl Ether	8.64	45	3607782	52.57	UG/L	100
21) 2-Butanone	9.72	43	1560772	53.22	UG/L #	59
22) Ethyl Acetate	9.71	88	31380m	66.19	UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	799048	58.91	UG/L #	45

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.20	83	1440946	53.33 UG/L	98
25) Bromochloromethane	10.07	128	514106	55.38 UG/L	77
26) 2,2-Dichloropropane	9.62	77	1002451	55.04 UG/L #	100
27) Tetrahydrofuran	10.18	42	733785	269.66 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	1065848	53.54 UG/L #	100
29) Iodomethane	6.73	142	1495562	49.08 UG/L	100
30) 1,1-Dichloropropene	10.90	75	1092144	54.23 UG/L #	100
32) Carbon Tetrachloride	10.92	117	968505	53.15 UG/L	94
33) 1,2-Dichloroethane	11.36	62	953054	51.03 UG/L #	100
34) Isobutanol	11.12	43	5454078	10142.05 UG/L	100
35) Benzene	11.33	78	1746910	55.61 UG/L	100
36) N-Butanol	12.46	43	1889810	7077.75 UG/L	100
37) Trichloroethene	12.62	130	831694	57.72 UG/L	99
38) 1,2-DICHLOROPROPANE	13.12	63	994096	52.09 UG/L	100
39) Bromodichloromethane	13.68	83	1551382	53.90 UG/L	100
40) Dibromomethane	13.37	93	858554	54.57 UG/L	100
41) 2-Chloroethylvinylether	14.32	63	508824	53.31 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	1240321	52.11 UG/L	92
43) cis-1,3-Dichloropropene	14.69	75	1267168	54.59 UG/L	100
45) TOLUENE	15.47	91	1860327	54.65 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	1000183	55.16 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	742156	56.36 UG/L	100
49) 1,2-Dibromoethane	17.55	107	1131794	56.60 UG/L #	100
52) 2-Hexanone	16.96	43	888057	49.87 UG/L #	91
53) 1,3-Dichloropropane	16.80	76	1156378	50.02 UG/L	100
54) Tetrachloroethene	16.75	166	1025543	55.48 UG/L	96
55) Dibromochloromethane	17.29	129	1228280	51.98 UG/L	100
56) Chlorobenzene	18.56	112	1342147	51.06 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.71	131	761417	51.31 UG/L	100
58) ETHYL BENZENE	18.77	106	569962	51.04 UG/L	92
59) m,p-Xylene	19.00	106	1330294	103.81 UG/L	76
60) o-Xylene	19.75	106	667743	51.44 UG/L	80
61) Styrene	19.78	104	1123485	52.67 UG/L #	43
62) Bromoform	20.12	173	1115069	53.92 UG/L	100
64) Isopropylbenzene	20.41	105	1747772	51.66 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	1284358	51.53 UG/L #	100
66) Bromobenzene	20.95	77	2054961	50.96 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D Vial: 1
Acq On : 4 Oct 06 5:28 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.00	110	259837	52.71 UG/L	100
68) n-Propylbenzene	21.12	92	274269	51.66 UG/L	82
69) 1,3,5-Trimethylbenzene	21.41	105	1321961	53.53 UG/L	100
70) 2-Chlorotoluene	21.28	126	514544	51.76 UG/L	100
71) 4-Chlorotoluene	21.46	126	500901	54.09 UG/L	100
72) t-Butylbenzene	21.94	119	1507081	54.08 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	1306878	54.76 UG/L	100
74) sec-Butylbenzene	22.29	105	2057539	51.73 UG/L	100
75) p-Isopropyltoluene	22.50	119	1301079	54.36 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	1035518	54.33 UG/L	100
77) 1,4-Dichlorobenzene	22.61	146	1078566	54.27 UG/L	100
78) n-Butylbenzene	23.12	92	874720	54.71 UG/L	95
79) 1,2-Dichlorobenzene	23.19	146	1030765	52.59 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	343718	55.85 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	695365	64.56 UG/L	100
82) Naphthalene	26.36	128	1023194	61.94 UG/L	100
83) Hexachlorobutadiene	26.16	225	730156	60.08 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	653679	65.82 UG/L	100

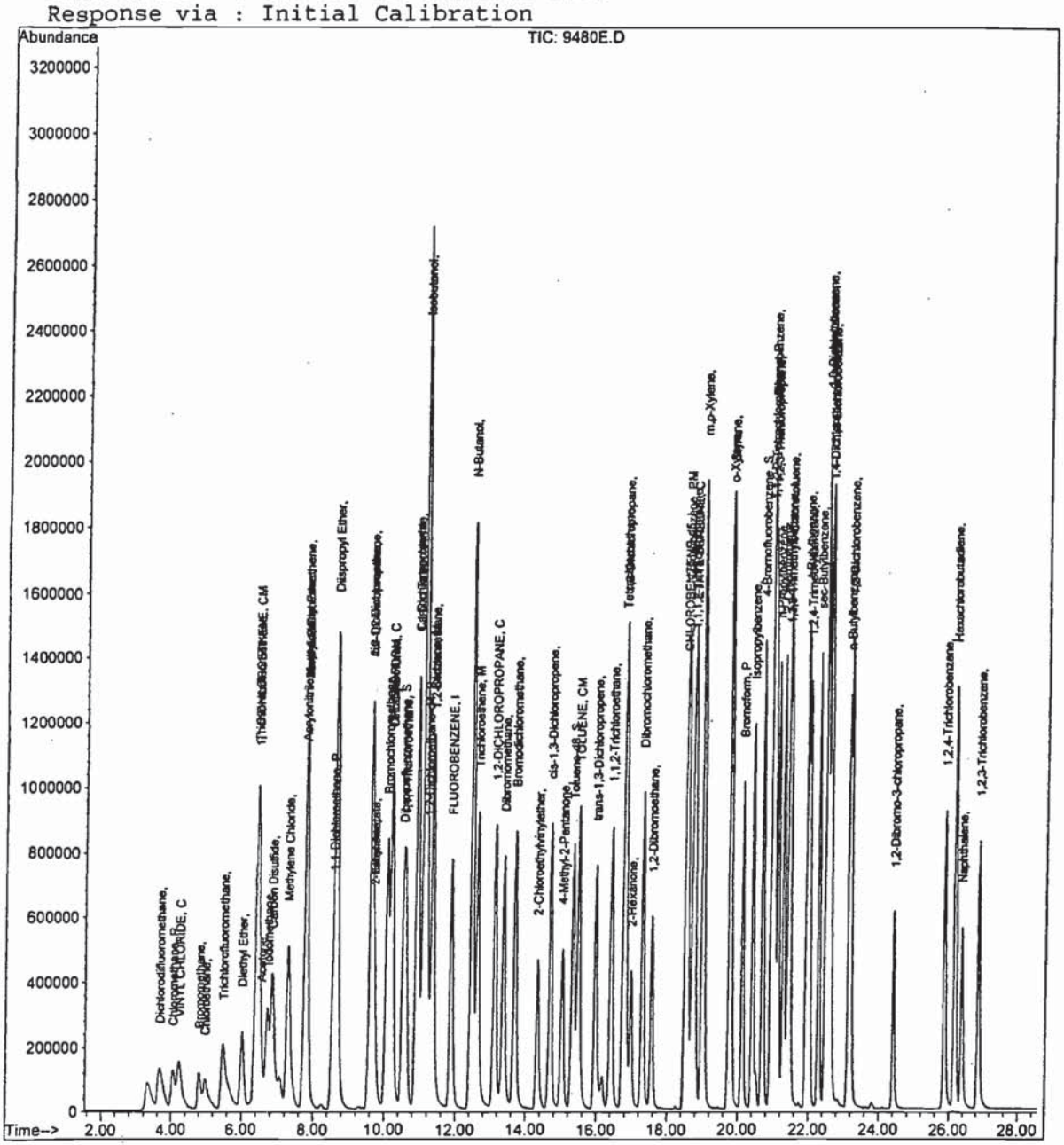
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

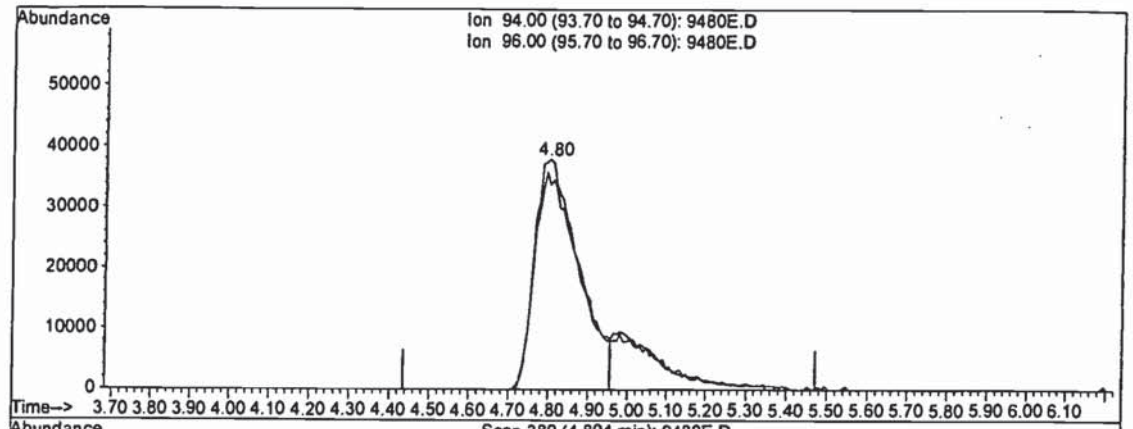


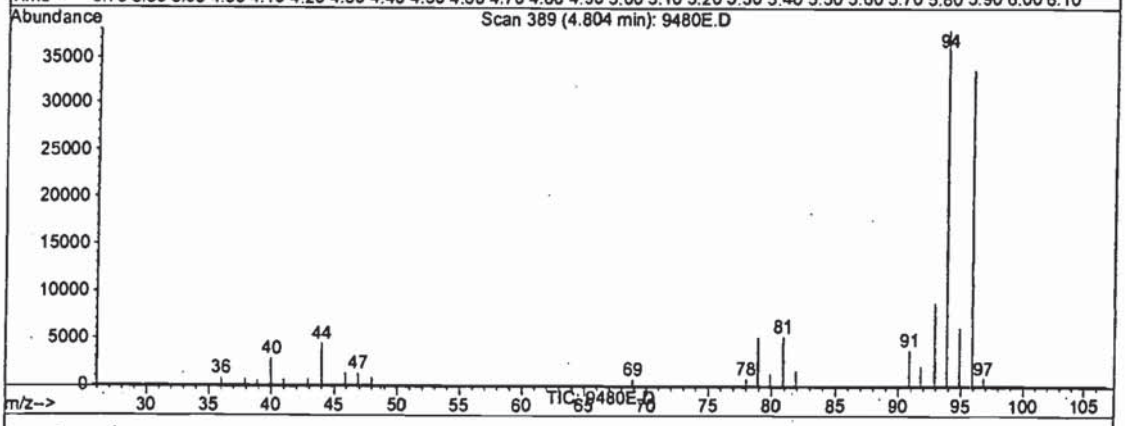
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
Quant Time: Oct 4 5:56 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.80min 30.56UG/L

response 293098

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	94.65
0.00	0.00	0.00
0.00	0.00	0.00

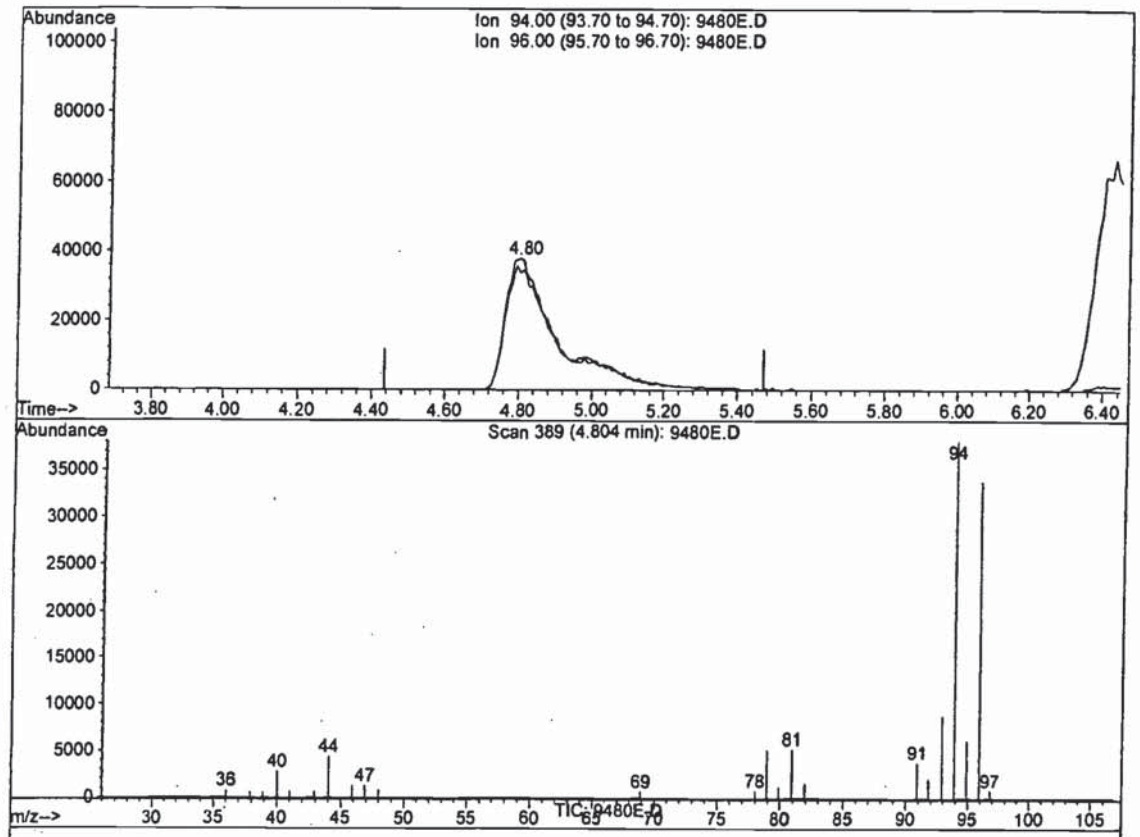
9480E.D 8260E1.M Wed Oct 04 05:57:27 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.80min 42.69UG/L m

response 377049

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	73.58#
0.00	0.00	0.00
0.00	0.00	0.00

9480E.D 8260E1.M Wed Oct 04 05:57:35 2006

Continuing Calibration Report

Data File : C:\HPCHEM\DATA\E100406\9481E.D Vial: 1
Acq On : 4 Oct 06 6:05 Operator: HAROLD
Sample : SPECIAL MIX STD Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

cal 5 = 8518E.D cal 20 = 8520E.D cal 50 = 8521E.D
cal100 = 8731E.D cal -1 =

		Compound	AvgRF	CCRF	%Dev
1	I	FLUOROBENZENE	1.00000	1.00000	0.0
2		Allyl Chloride	11.99387	12.23341	2.0
3		Acetonitrile	0.09000	0.09246	2.7
4		Chloroprene	0.16095	0.00000	100.0#
5		Ethyl Cyanide	0.39194	0.40482	3.3
6		Methacrylonitrile	0.94119	0.72453	23.0#
7		1,4-Dioxane	0.07731	0.06959	10.0
8		Methyl Methacrylate	6.60053	6.07433	8.0
9	I	CHLOROBENZENE-d5	1.00000	1.00000	0.0
10		Ethyl Methacrylate	7.30232	6.93641	5.0
11	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.0
12		trans-1,4-Dichloro-2-butene	1.87829	1.99747	6.3

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

8521E.D APPIXX.M Wed Oct 04 06:35:58 2006
Average RPD= 17.82 Page 1 of 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9481E.D Vial: 1
Acq On : 4 Oct 06 6:05 Operator: HAROLD
Sample : SPECIAL MIX STD Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 6:35 2006 Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1605641	50.00 UG/L	0.00
9) CHLOROBENZENE-d5	18.50	117	1253465	50.00 UG/L	0.00
11) 1,4-Dichlorobenzene-d4	22.58	152	776272	50.00 UG/L	0.00

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	7.07	41	19642461	51.00 UG/L	100
3) Acetonitrile	7.07	40	4453737	1470.19 UG/L #	100
5) Ethyl Cyanide	9.86	54	6500002	516.43 UG/L #	100
6) Methacrylonitrile	10.15	67	11633431	457.70 UG/L #	100
7) 1,4-Dioxane	13.43	88	1564326	630.09 UG/L	100
8) Methyl Methacrylate	16.16	41	9753188	46.01 UG/L	100
10) Ethyl Methacrylate	16.17	69	8694543	55.06 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.54	53	3101167	121.98 UG/L #	100

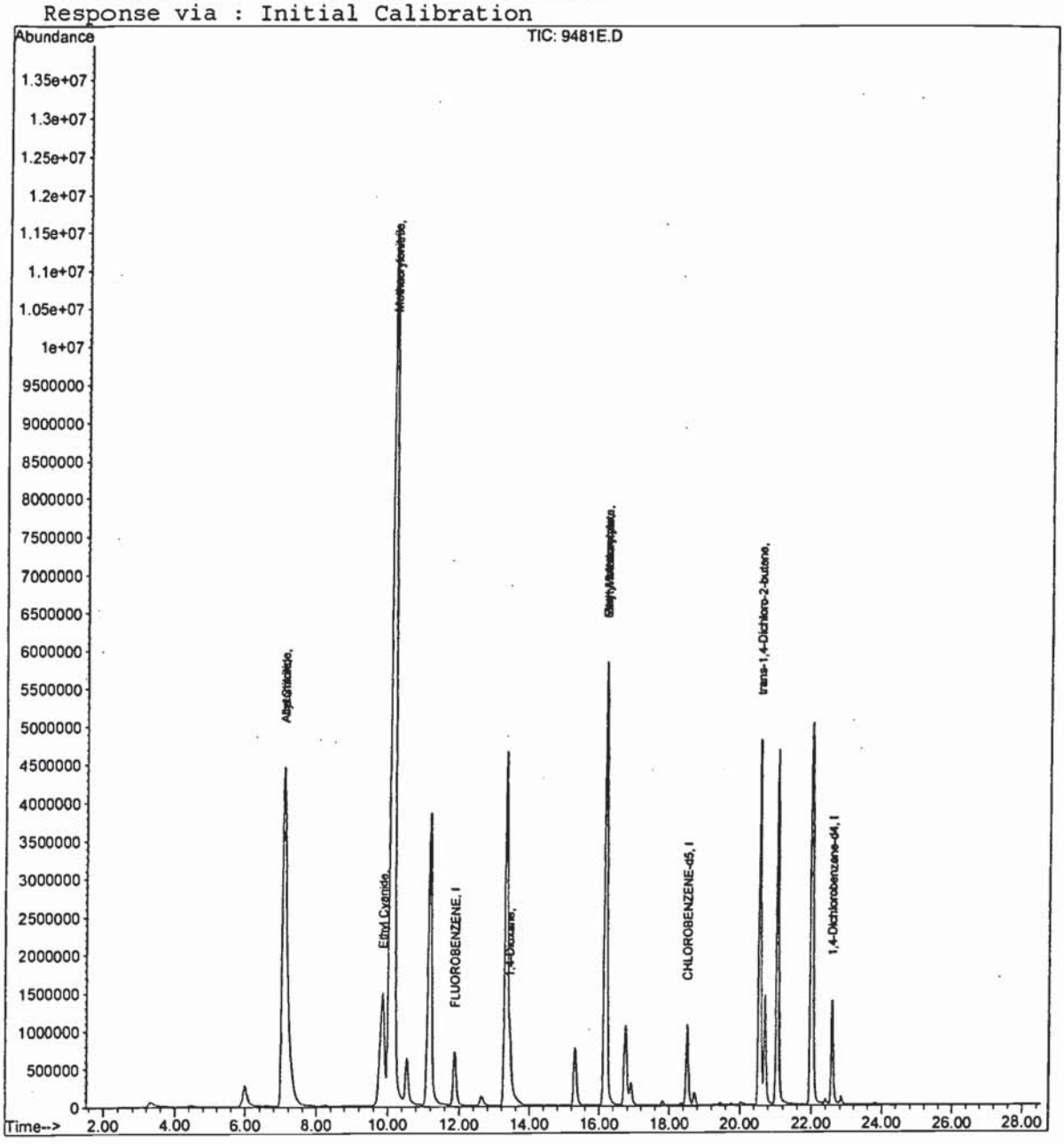
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9481E.D
Acq On : 4 Oct 06 6:05
Sample : SPECIAL MIX STD
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 6:35 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration



R510038 Heritage Environmental Services, LLC Q1889743

QC Report

QCType CCVD | Duplicate SampleID | DataFile 9511E.D
Date Entered 10Oct06 | Duplicate QCSampleID | Analyst 1365 H. WILLIAMS
Analysis Date/Time 06Oct06 03:54:00 | Method | Matrix | Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.3683			27.5
236	CHLOROMETHANE	0.4146		0.3476			16.2
768	VINYL CHLORIDE	0.3860		0.3361			12.9
198	BROMOMETHANE	50.0		42.6	QDR		14.8
234	CHLOROETHANE	0.2004		0.1922			4.1
372	TRICHLOROFLUOROMETHANE	0.5591		0.5618			.5
105	ACROLEIN	0.0107		0.0100			6.5
305	DIETHYL ETHER	0.2396		0.2404			.3
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.6627			6.2
99	ACETONE (2-PROPANONE)	0.1311		0.1238			5.6
8	1,1-DICHLOROETHENE	0.3227		0.3324			3
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		49.9	QDR		0.2
106	ACRYLONITRILE	0.0926		0.0236			74.5
216	CARBON DISULFIDE	50.0		51.1	QDR		2.2
767	VINYL ACETATE	0.3073		0.3137			2.1
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.3807			5.8
7	1,1-DICHLOROETHANE	0.8247		0.8026			2.7
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.7383			3.1
860	DI-ISOPROPYL ETHER (IPE)	1.9844		1.8721			5.7
52	2-BUTANONE	0.8481		0.7753			8.6
348	ETHYL ACETATE	50.0		50.0	QDR		0
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4097			4.4
235	CHLOROFORM	0.7814		0.7909			1.2
194	BROMOCHLOROMETHANE	0.2684		0.2770			3.2
709	TETRAHYDROFURAN	0.0787		0.0694			11.8
2	1,1,1-TRICHLOROETHANE	0.5757		0.5863			1.8
422	IODOMETHANE	0.8811		0.8356			5.2
10	1,1-DICHLOROPROPENE	0.5823		0.5759			1.1
217	CARBON TETRACHLORIDE	0.5269		0.5383			2.2
21	1,2-DICHLOROETHANE	0.5401		0.5281			2.2
1525	2-BUTANOL	0.0156		0.0155			.6
151	BENZENE	0.9084		0.9281			2.2
517	N-BUTANOL	0.0077		0.0074			3.9
750	TRICHLOROETHENE	0.4167		0.4492			7.8
23	1,2-DICHLOROPROPANE	0.5518		0.5337			3.3
299	DICHLOROBROMOMETHANE	0.8323		0.8556			2.8
296	DIBROMOMETHANE	0.4550		0.4696			3.2
91	4-METHYL-2-PENTANONE	0.6883		0.6203			9.9
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.6867			2.3
724	TOLUENE	0.9845		1.0208			3.7
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5433			3.6
4	1,1,2-TRICHLOROETHANE	0.3808		0.4014			5.4
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6063			4.8
60	2-HEXANONE	0.6826		0.6013			11.9

LKS 10-10-06

LKS 10-10-06

R510038 Heritage Environmental Services, LLC Q1889743

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8499			4.1
703	TETRACHLOROETHENE	0.7086		0.7833			10.5
295	DIBROMOCHLOROMETHANE	0.9057		0.9080			.3
231	CHLOROBENZENE	1.0074		1.0221			1.5
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5752			1.1
349	ETHYL BENZENE	0.4280		0.4303			.5
492	M/P-XYLENE	0.4912		0.5069			3.2
549	O-XYLENE	0.4976		0.5085			2.2
680	STYRENE	0.8176		0.8512			4.1
197	BROMOFORM	0.7927		0.8464			6.8
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.3009			.9
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.6614			2.8
193	BROMOBENZENE	2.7665		2.7092			2.1
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3260			3.6
532	N-PROPYLBENZENE	0.3642		0.3728			2.4
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.7957			6
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.6978			2.3
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.6634			4.4
702	TERT-BUTYLBENZENE	1.9118		1.9840			3.8
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.7513			7
644	SEC-BUTYLBENZENE	2.7285		2.7386			.4
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.7432			6.2
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.4253			9
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.4712			7.9
519	N-BUTYLBENZENE	1.0969		1.1849			8
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.4157			5.3
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4236			.3
16	1,2,4-TRICHLOROBENZENE	0.7389		0.9491			28.4
493	NAPHTHALENE	1.1332		1.2811			13.1
398	HEXACHLOROBUTADIENE	0.8337		0.9086			9
13	1,2,3-TRICHLOROBENZENE	0.6814		0.8392			23.2
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2809			1.8
301	DICHLOROETHANE-D4	0.4057		0.4013			1.1
726	TOLUENE-D8	0.8893		0.8896			0
3362	DIBROMOFLUOROMETHANE	0.6387		0.6489			1.6
196	4-BROMOFLUOROBENZENE	0.7304		0.7694			5.3

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration(UG/KG MK/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1821971	50.00	UG/L	0.03
51) CHLOROBENZENE-d5	18.50	117	1333502	50.00	UG/L	0.03
63) 1,4-Dichlorobenzene-d4	22.58	152	763728	50.00	UG/L	0.03
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.17	65	731244	49.47	UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.94%#			
44) Toluene-d8	15.31	98	1620864	50.02	UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.04%#			
47) Dibromofluoromethane	10.50	113	1182186	50.79	UG/L	0.03
Spiked Amount 50.000			Recovery = 101.58%			
50) 4-Bromofluorobenzene	20.69	95	1401776	52.67	UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 105.34%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	671020	36.22	UG/L	100
3) Chloromethane	4.06	50	633273	41.91	UG/L	100
4) VINYL CHLORIDE	4.23	62	612426	43.54	UG/L	96
5) Bromomethane	4.80	94	396814m	42.62	UG/L	98
6) Chloroethane	4.98	64	350199	47.97	UG/L #	78
7) Trichlorofluoromethane	5.50	101	1023619	50.24	UG/L	100
8) Acrolein	7.78	56	90945	232.44	UG/L	100
9) Diethyl Ether	6.01	59	437977	50.17	UG/L	100
10) Trichlorotrifluoroethane	6.39	101	1207440	53.07	UG/L #	100
11) Acetone	6.54	43	225626m	47.21	UG/L	92
12) 1,1-DICHLOROETHENE	6.42	96	605566	51.50	UG/L	100
13) Methylene Chloride	7.28	84	755706	49.85	UG/L	82
14) Acrylonitrile	7.73	53	214661	63.64	UG/L	100
15) Carbon Disulfide	6.84	76	2054784	51.14	UG/L	98
16) Vinyl Acetate	7.78	43	571516	51.04	UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	693563	52.90	UG/L #	71
18) 1,1-Dichloroethane	8.53	63	1462281	48.66	UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1345169	51.57	UG/L	100
20) Diispropyl Ether	8.63	45	3410931	47.17	UG/L	100
21) 2-Butanone	9.71	43	1412619	45.71	UG/L #	59
22) Ethyl Acetate	9.72	88	25149m	49.99	UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	746423	52.22	UG/L #	42

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.19	83	1441003	50.61 UG/L	97
25) Bromochloromethane	10.07	128	504649	51.59 UG/L	81
26) 2,2-Dichloropropane	9.61	77	995559	51.87 UG/L #	100
27) Tetrahydrofuran	10.18	42	631938	220.39 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	1068148	50.92 UG/L #	100
29) Iodomethane	6.71	142	1522489	47.42 UG/L	100
30) 1,1-Dichloropropene	10.89	75	1049277	49.45 UG/L #	100
32) Carbon Tetrachloride	10.91	117	980727	51.08 UG/L	94
33) 1,2-Dichloroethane	11.33	62	962115	48.89 UG/L #	100
34) Isobutanol	11.09	43	4682768	8263.70 UG/L	100
35) Benzene	11.31	78	1690940	51.09 UG/L	100
36) N-Butanol	12.44	43	1634343	5808.81 UG/L	100
37) Trichloroethene	12.62	130	818362	53.89 UG/L	99
38) 1,2-DICHLOROPROPANE	13.10	63	972360	48.36 UG/L	100
39) Bromodichloromethane	13.68	83	1558827	51.40 UG/L	99
40) Dibromomethane	13.36	93	855661	51.61 UG/L	99
41) 2-Chloroethylvinylether	14.32	63	511876	50.90 UG/L #	100
42) 4-Methyl-2-Pentanone	15.02	43	1130253	45.06 UG/L	92
43) cis-1,3-Dichloropropene	14.67	75	1251184	51.16 UG/L	100
45) TOLUENE	15.46	91	1859921	51.85 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	989873	51.81 UG/L	100
48) 1,1,2-Trichloroethane	16.39	97	731393	52.71 UG/L	100
49) 1,2-Dibromoethane	17.55	107	1104602	52.42 UG/L #	100
52) 2-Hexanone	16.96	43	801776	44.04 UG/L #	90
53) 1,3-Dichloropropane	16.79	76	1133329	47.96 UG/L	100
54) Tetrachloroethene	16.74	166	1044513	55.27 UG/L	95
55) Dibromochloromethane	17.29	129	1210810	50.13 UG/L	100
56) Chlorobenzene	18.56	112	1363008	50.73 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.70	131	767090	50.57 UG/L	100
58) ETHYL BENZENE	18.77	106	573791	50.27 UG/L	91
59) m,p-Xylene	18.99	106	1351969	103.20 UG/L	74
60) o-Xylene	19.75	106	678021	51.09 UG/L	79
61) Styrene	19.78	104	1135113	52.06 UG/L #	42
62) Bromoform	20.11	173	1128722	53.39 UG/L	100
64) Isopropylbenzene	20.40	105	1757240	49.56 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.91	83	1268885	48.58 UG/L #	100
66) Bromobenzene	20.95	77	2069076	48.97 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.00	110	249000	48.21 UG/L	100
68) n-Propylbenzene	21.12	92	284730	51.18 UG/L	80
69) 1,3,5-Trimethylbenzene	21.40	105	1371447	52.99 UG/L	100
70) 2-Chlorotoluene	21.28	126	532895	51.15 UG/L	100
71) 4-Chlorotoluene	21.45	126	506653	52.21 UG/L	100
72) t-Butylbenzene	21.93	119	1515222	51.89 UG/L	100
73) 1,2,4-Trimethylbenzene	22.01	105	1337538	53.48 UG/L	100
74) sec-Butylbenzene	22.29	105	2091568	50.19 UG/L	100
75) p-Isopropyltoluene	22.50	119	1331323	53.08 UG/L	100
76) 1,3-Dichlorobenzene	22.47	146	1088542	54.50 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	1123594	53.95 UG/L	100
78) n-Butylbenzene	23.12	92	904929	54.01 UG/L	94
79) 1,2-Dichlorobenzene	23.18	146	1081182	52.64 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.41	157	323527	50.17 UG/L	100
81) 1,2,4-Trichlorobenzene	25.86	180	724837	64.22 UG/L	100
82) Naphthalene	26.35	128	978430	56.53 UG/L	100
83) Hexachlorobutadiene	26.15	225	693906	54.49 UG/L	100
84) 1,2,3-Trichlorobenzene	26.84	180	640911	61.58 UG/L	100

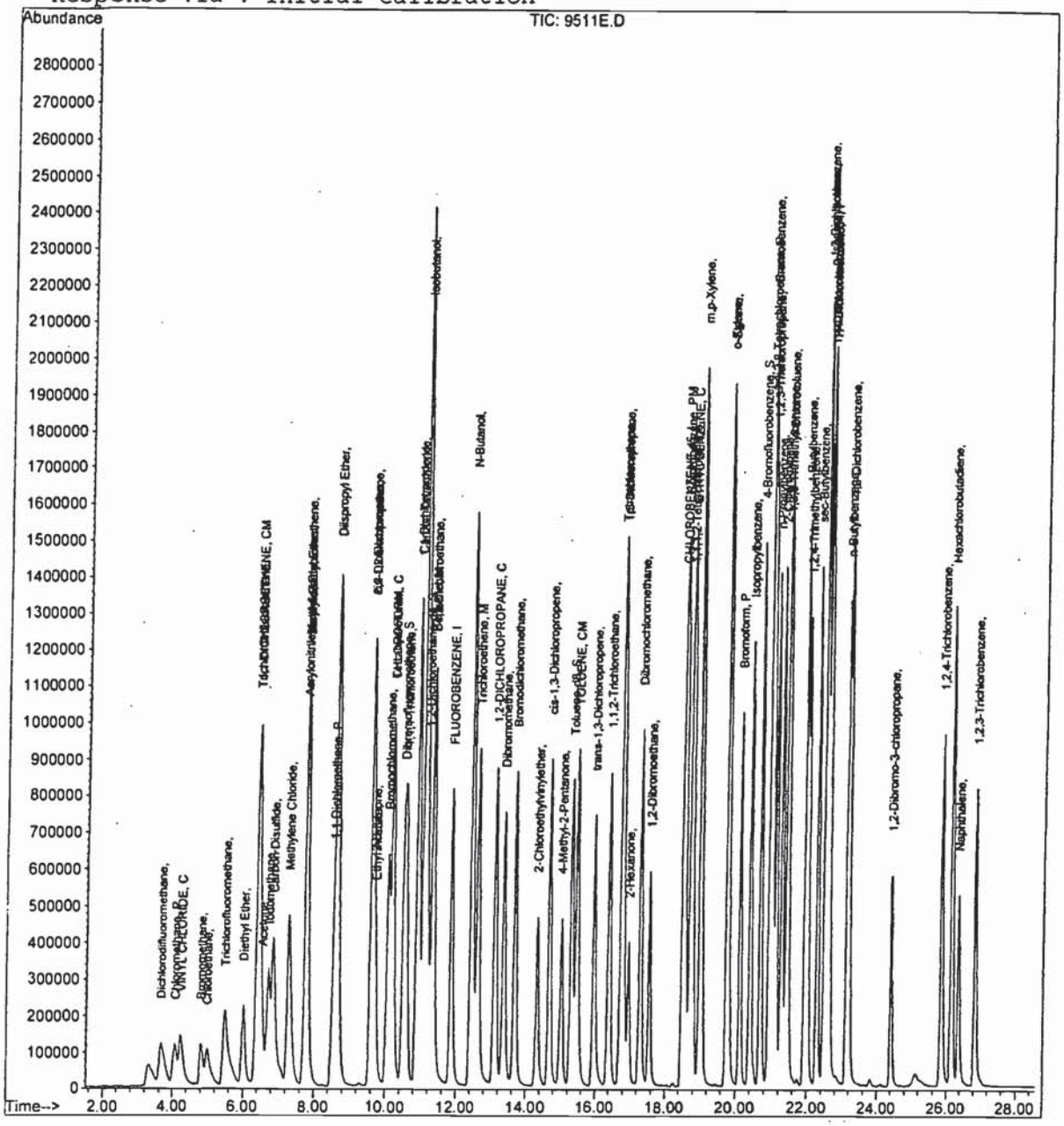
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

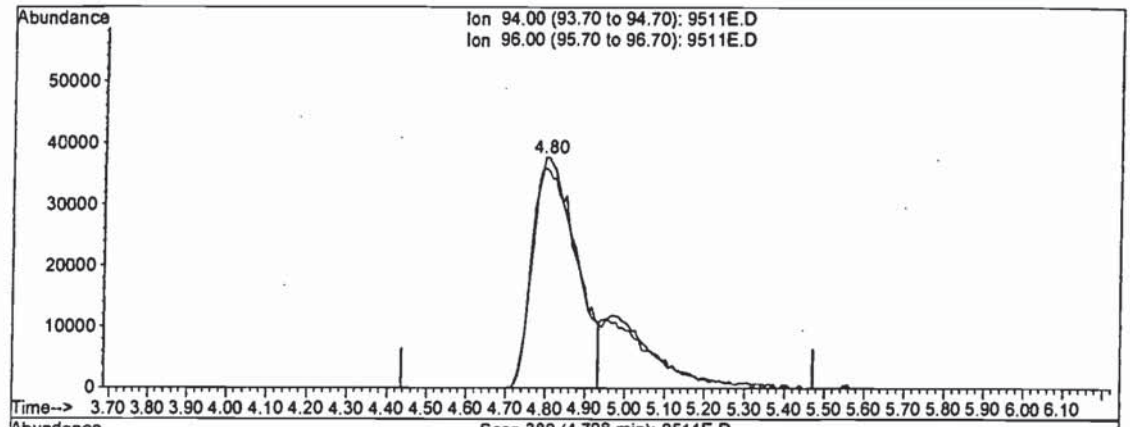


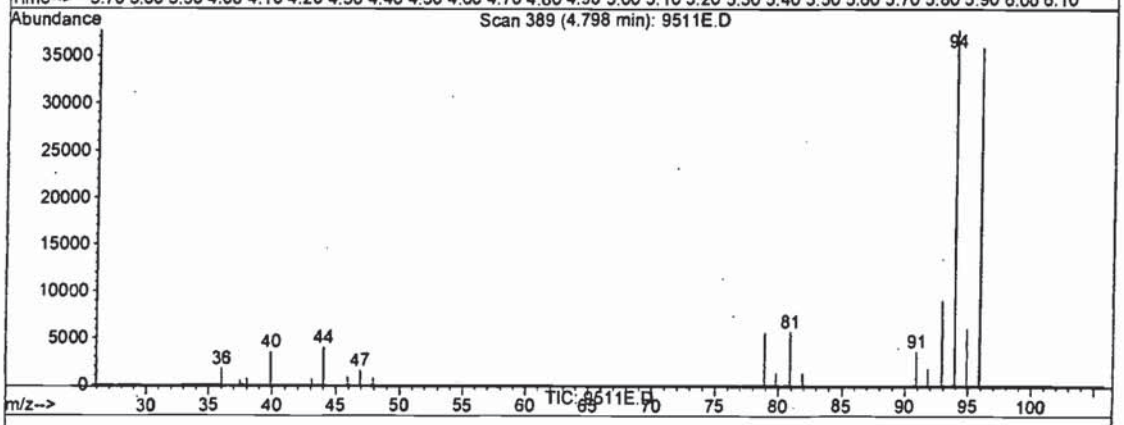
Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.80min 27.96UG/L

response 287637

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	98.93
0.00	0.00	0.00
0.00	0.00	0.00

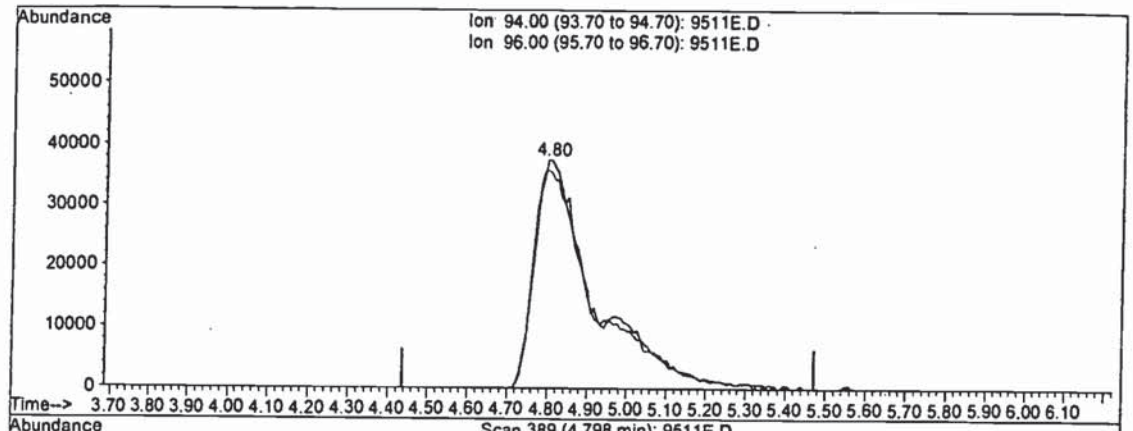
9511E.D 8260E1.M Fri Oct 06 04:24:35 2006

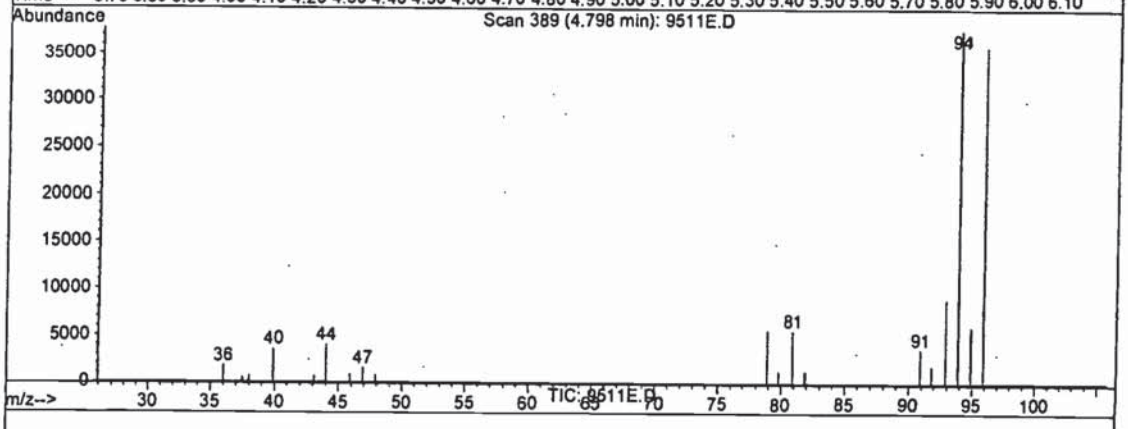
Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9511E.D
Acq On : 6 Oct 06 3:54
Sample : VSTD050
Misc : CALIBRATION CHECK 10/6/06
Quant Time: Oct 6 4:24 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.80min 42.62UG/L m

response 396814

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	71.71#
0.00	0.00	0.00
0.00	0.00	0.00

9511E.D 8260E1.M Fri Oct 06 04:24:40 2006

R510154 Heritage Environmental Services, LLC Q1890474

QC Report

QCType CCVD | Duplicate SampleID | DataFile 9590E.D
Date Entered 12Oct06 | Duplicate QCSampleID | Analyst 1365 H. WILLIAMS
Analysis Date/Time 11Oct06 03:06:00 | Method | Matrix | Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.3405			33
236	CHLOROMETHANE	0.4146		0.3239			21.9
768	VINYL CHLORIDE	0.3860		0.3382			12.4
198	BROMOMETHANE	50.0		42.9	QDR		14.2
234	CHLOROETHANE	0.2004		0.1985			.9
372	TRICHLOROFLUOROMETHANE	0.5591		0.6442			15.2
105	ACROLEIN	0.0107		0.0123			15
305	DIETHYL ETHER	0.2396		0.2602			8.6
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.7591			21.6
99	ACETONE (2-PROPANONE)	0.1311		0.1398			6.6
8	1,1-DICHLOROETHENE	0.3227		0.3718			15.2
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		54.6	QDR		9.2
106	ACRYLONITRILE	0.0926		0.1952			110.8
216	CARBON DISULFIDE	50.0		56.2	QDR		12.4
767	VINYL ACETATE	0.3073		0.3235			5.3
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.4161			15.6
7	1,1-DICHLOROETHANE	0.8247		0.8620			4.5
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8010			11.9
860	DI-ISOPROPYL ETHER (IPE)	1.9844		1.9037			4.1
52	2-BUTANONE	0.8481		0.8013			5.5
348	ETHYL ACETATE	50.0		56.1	QDR		12.2
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4475			14.1
235	CHLOROFORM	0.7814		0.8806			12.7
194	BROMOCHLOROMETHANE	0.2684		0.3156			17.6
709	TETRAHYDROFURAN	0.0787		0.0741			5.8
2	1,1,1-TRICHLOROETHANE	0.5757		0.6667			15.8
422	IODOMETHANE	0.8811		0.9655			9.6
10	1,1-DICHLOROPROPENE	0.5823		0.6614			13.6
217	CARBON TETRACHLORIDE	0.5269		0.6118			16.1
21	1,2-DICHLOROETHANE	0.5401		0.6002			11.1
1525	2-BUTANOL	0.0156		0.0164			5.1
151	BENZENE	0.9084		1.0142			11.6
517	N-BUTANOL	0.0077		0.0079			2.6
750	TRICHLOROETHENE	0.4167		0.5278			26.7
23	1,2-DICHLOROPROPANE	0.5518		0.5491			.5
299	DICHLOROBROMOMETHANE	0.8323		0.9591			15.2
296	DIBROMOMETHANE	0.4550		0.5111			12.3
91	4-METHYL-2-PENTANONE	0.6883		0.6358			7.6
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7306			8.8
724	TOLUENE	0.9845		1.1346			15.2
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.6063			15.6
4	1,1,2-TRICHLOROETHANE	0.3808		0.4466			17.3
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6939			20
60	2-HEXANONE	0.6826		0.5821			14.7

RJ 10/12/06

R510154 Heritage Environmental Services, LLC Q1890474

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8897			.4
703	TETRACHLOROETHENE	0.7086		0.8876			25.3
295	DIBROMOCHLOROMETHANE	0.9057		0.9988			10.3
231	CHLOROBENZENE	1.0074		1.1069			9.9
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.6231			9.5
349	ETHYL BENZENE	0.4280		0.4684			9.4
492	M/P-XYLENE	0.4912		0.5588			13.8
549	O-XYLENE	0.4976		0.5564			11.8
680	STYRENE	0.8176		0.9362			14.5
197	BROMOFORM	0.7927		0.9261			16.8
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.4279			4.6
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.6590			3
193	BROMOBENZENE	2.7665		2.7703			.1
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3477			2.8
532	N-PROPYLBENZENE	0.3642		0.3891			6.8
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.8611			9.8
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.7290			6.9
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.7082			11.5
702	TERT-BUTYLBENZENE	1.9118		2.1661			13.3
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.8628			13.8
644	SEC-BUTYLBENZENE	2.7285		2.9723			8.9
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.8879			15
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.5577			19.1
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.6724			22.7
519	N-BUTYLBENZENE	1.0969		1.2993			18.5
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.5483			15.1
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4679			10.8
16	1,2,4-TRICHLOROBENZENE	0.7389		1.1348			53.6
493	NAPHTHALENE	1.1332		1.4525			28.2
398	HEXACHLOROBUTADIENE	0.8337		1.1355			36.2
13	1,2,3-TRICHLOROBENZENE	0.6814		1.0065			47.7
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2995			8.5
301	DICHLOROETHANE-D4	0.4057		0.4094			.9
726	TOLUENE-D8	0.8893		0.8989			1.1
3362	DIBROMOFLUOROMETHANE	0.6387		0.6610			3.5
196	4-BROMOFLUOROBENZENE	0.7304		0.8203			12.3

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (UG/KG MG/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 11 3:39 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1786313	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.53	117	1374103	50.00 UG/L	0.06
63) 1,4-Dichlorobenzene-d4	22.60	152	822915	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.22	65	731365	50.46 UG/L	0.06
Spiked Amount 50.000	Range 40 - 60		Recovery = 100.92%#		
44) Toluene-d8	15.33	98	1605639	50.54 UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 101.08%#		
47) Dibromofluoromethane	10.53	113	1180754	51.74 UG/L	0.07
Spiked Amount 50.000			Recovery = 103.48%		
50) 4-Bromofluorobenzene	20.70	95	1465352	56.16 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 112.32%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	608266	33.49 UG/L	100
3) Chloromethane	4.07	50	578529m	39.05 UG/L	100
4) VINYL CHLORIDE	4.25	62	604067	43.80 UG/L	98
5) Bromomethane	4.81	94	390638m	42.86 UG/L	100
6) Chloroethane	4.99	64	354653m	49.55 UG/L	99
7) Trichlorofluoromethane	5.50	101	1150764	57.61 UG/L	97
8) Acrolein	7.79	56	109972	286.68 UG/L	100
9) Diethyl Ether	6.03	59	464790	54.30 UG/L	100
10) Trichlorotrifluoroethane	6.43	101	1356074	60.80 UG/L #	100
11) Acetone	6.58	43	249690m	53.29 UG/L	72
12) 1,1-DICHLOROETHENE	6.45	96	664158	57.61 UG/L	100
13) Methylene Chloride	7.31	84	801680	54.56 UG/L	89
14) Acrylonitrile	7.77	53	1743720	527.25 UG/L	100
15) Carbon Disulfide	6.86	76	2199113	56.23 UG/L	97
16) Vinyl Acetate	7.80	43	577825	52.63 UG/L	100
17) trans-1,2-Dichloroethene	7.80	96	743303	57.83 UG/L #	73
18) 1,1-Dichloroethane	8.56	63	1539733	52.26 UG/L	100
19) Methyl-t-butyl Ether	7.80	73	1430866	55.95 UG/L	100
20) Diispropyl Ether	8.66	45	3400632	47.97 UG/L	100
21) 2-Butanone	9.74	43	1431315	47.24 UG/L #	59
22) Ethyl Acetate	9.73	88	27599m	56.07 UG/L	100
23) cis-1,2-Dichloroethene	9.64	96	799353	57.04 UG/L #	46

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 11 3:39 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.22	83	1573101	56.35 UG/L	98
25) Bromochloromethane	10.09	128	563818	58.79 UG/L	96
26) 2,2-Dichloropropane	9.66	77	1081992	57.50 UG/L #	100
27) Tetrahydrofuran	10.21	42	662191	235.55 UG/L	100
28) 1,1,1-Trichloroethane	10.62	97	1190907	57.91 UG/L #	100
29) Iodomethane	6.74	142	1724684	54.79 UG/L	100
30) 1,1-Dichloropropene	10.92	75	1181402	56.79 UG/L #	100
32) Carbon Tetrachloride	10.95	117	1092920	58.05 UG/L	90
33) 1,2-Dichloroethane	11.37	62	1072098	55.56 UG/L #	100
34) Isobutanol	11.13	43	4840681	8712.89 UG/L	100
35) Benzene	11.35	78	1811767	55.83 UG/L	100
36) N-Butanol	12.47	43	1711660	6205.06 UG/L	100
37) Trichloroethene	12.64	130	942828	63.33 UG/L	99
38) 1,2-DICHLOROPROPANE	13.13	63	980905	49.75 UG/L	100
39) Bromodichloromethane	13.70	83	1713228	57.62 UG/L	99
40) Dibromomethane	13.38	93	912914	56.16 UG/L	99
41) 2-Chloroethylvinylether	14.35	63	534948	54.25 UG/L #	100
42) 4-Methyl-2-Pentanone	15.05	43	1135811	46.19 UG/L	94
43) cis-1,3-Dichloropropene	14.71	75	1305003	54.42 UG/L	100
45) TOLUENE	15.49	91	2026807	57.63 UG/L	100
46) trans-1,3-Dichloropropene	15.99	75	1083100	57.82 UG/L	100
48) 1,1,2-Trichloroethane	16.43	97	797737	58.64 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1239480	59.99 UG/L #	100
52) 2-Hexanone	16.99	43	799882	42.64 UG/L #	94
53) 1,3-Dichloropropane	16.82	76	1222599	50.21 UG/L	100
54) Tetrachloroethene	16.77	166	1219632	62.63 UG/L	97
55) Dibromochloromethane	17.32	129	1372391	55.14 UG/L	100
56) Chlorobenzene	18.59	112	1520988	54.94 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.74	131	856164	54.77 UG/L	100
58) ETHYL BENZENE	18.80	106	643668	54.72 UG/L	92
59) m,p-Xylene	19.02	106	1535831	113.78 UG/L	75
60) o-Xylene	19.77	106	764591	55.92 UG/L	81
61) Styrene	19.80	104	1286470	57.25 UG/L #	46
62) Bromoform	20.15	173	1272595	58.41 UG/L	100
64) Isopropylbenzene	20.42	105	1997966	52.30 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	1365175	48.51 UG/L #	100
66) Bromobenzene	20.97	77	2279748	50.07 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
MS Integration Params: rteint.p
Quant Time: Oct 11 3:39 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,3-Trichloropropane	21.03	110	286105	51.41 UG/L	100
68)	n-Propylbenzene	21.14	92	320174	53.41 UG/L	77
69)	1,3,5-Trimethylbenzene	21.43	105	1531521	54.92 UG/L	100
70)	2-Chlorotoluene	21.30	126	599946	53.45 UG/L	100
71)	4-Chlorotoluene	21.48	126	582800	55.74 UG/L	100
72)	t-Butylbenzene	21.97	119	1782540	56.65 UG/L	100
73)	1,2,4-Trimethylbenzene	22.04	105	1532935	56.89 UG/L	100
74)	sec-Butylbenzene	22.31	105	2445937	54.47 UG/L	100
75)	p-Isopropyltoluene	22.53	119	1553577	57.49 UG/L	100
76)	1,3-Dichlorobenzene	22.50	146	1281865	59.56 UG/L	100
77)	1,4-Dichlorobenzene	22.64	146	1376250	61.33 UG/L	100
78)	n-Butylbenzene	23.15	92	1069252	59.23 UG/L	98
79)	1,2-Dichlorobenzene	23.22	146	1274103	57.58 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.45	157	385007	55.41 UG/L	100
81)	1,2,4-Trichlorobenzene	25.90	180	933850	76.79 UG/L	100
82)	Naphthalene	26.39	128	1195309	64.09 UG/L	100
83)	Hexachlorobutadiene	26.19	225	934404	68.10 UG/L	100
84)	1,2,3-Trichlorobenzene	26.89	180	828274	73.86 UG/L	100

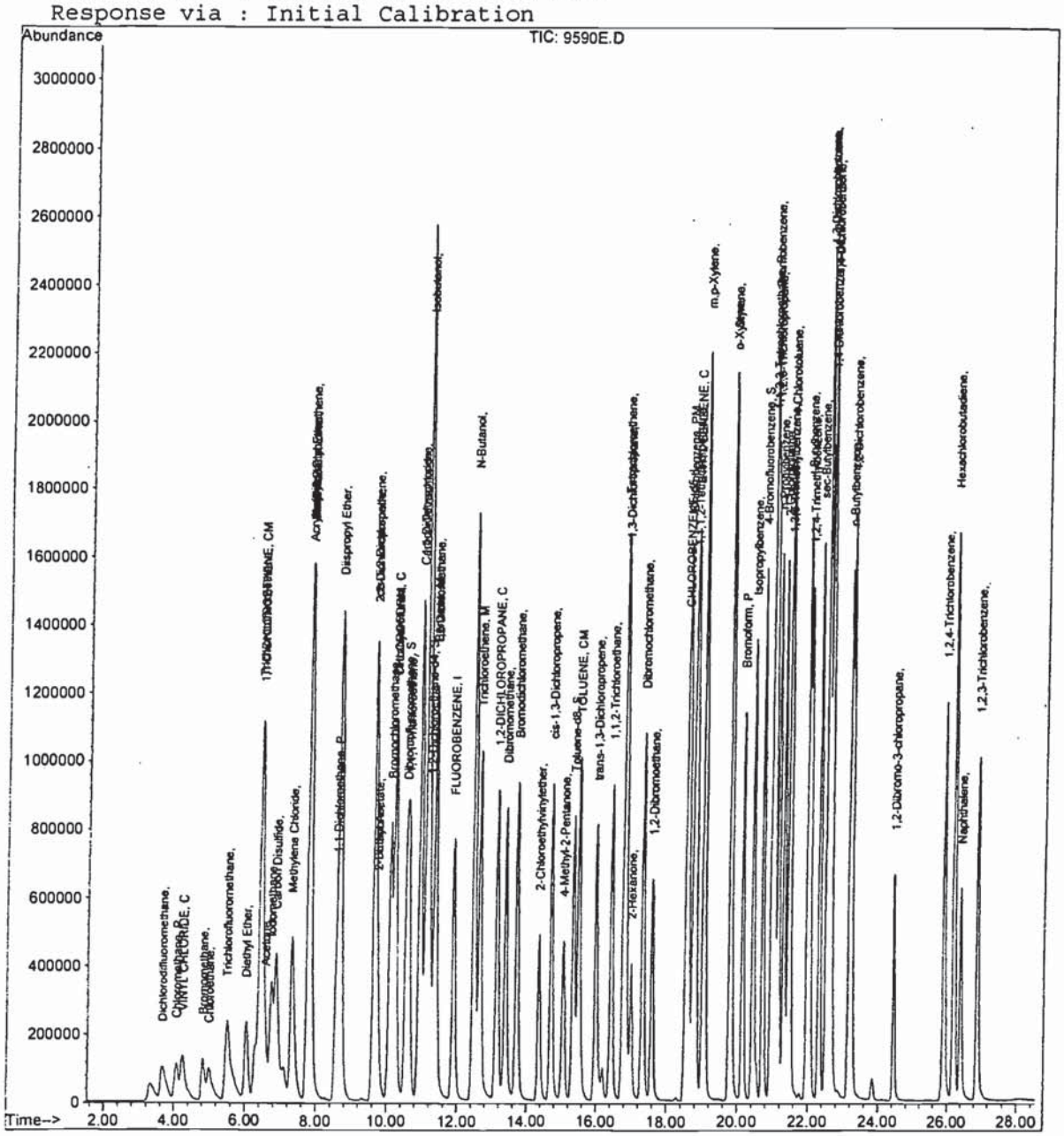
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
MS Integration Params: rteint.p
Quant Time: Oct 11 3:39 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

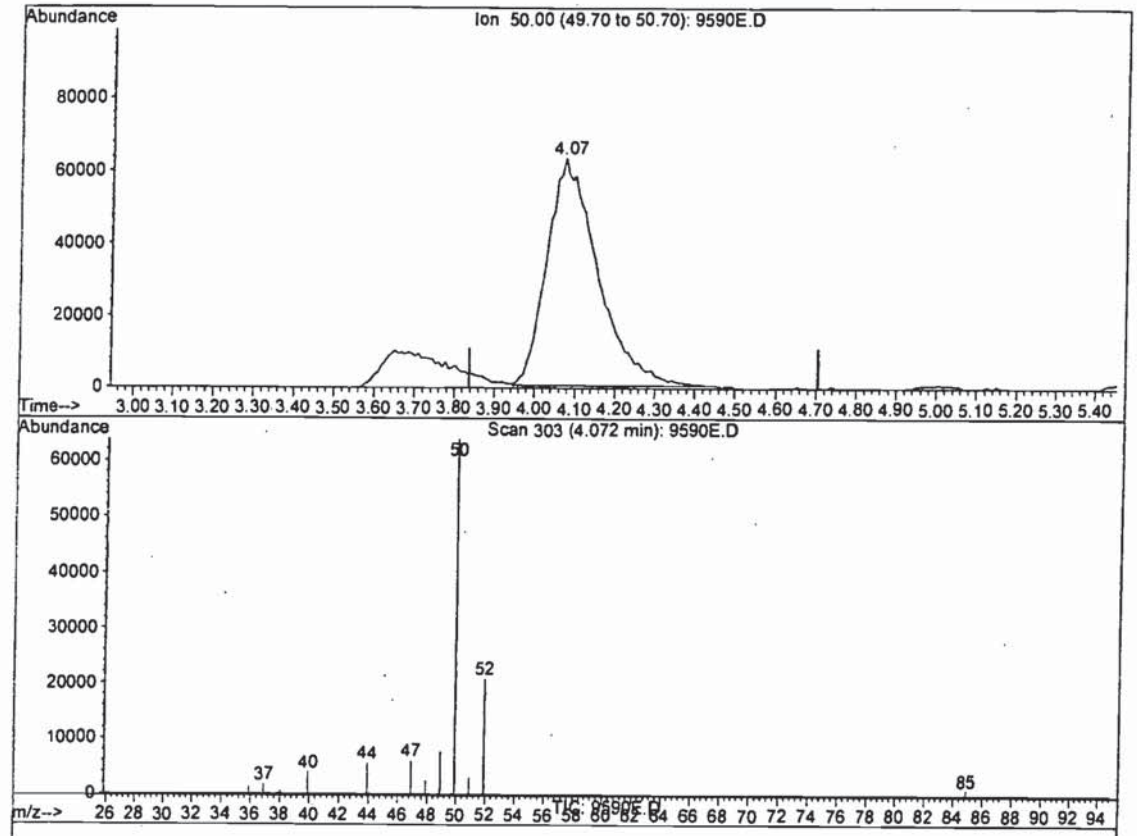


Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
Quant Time: Oct 11 3:34 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(3) Chloromethane (P)

4.07min 37.36UG/L

response 553459

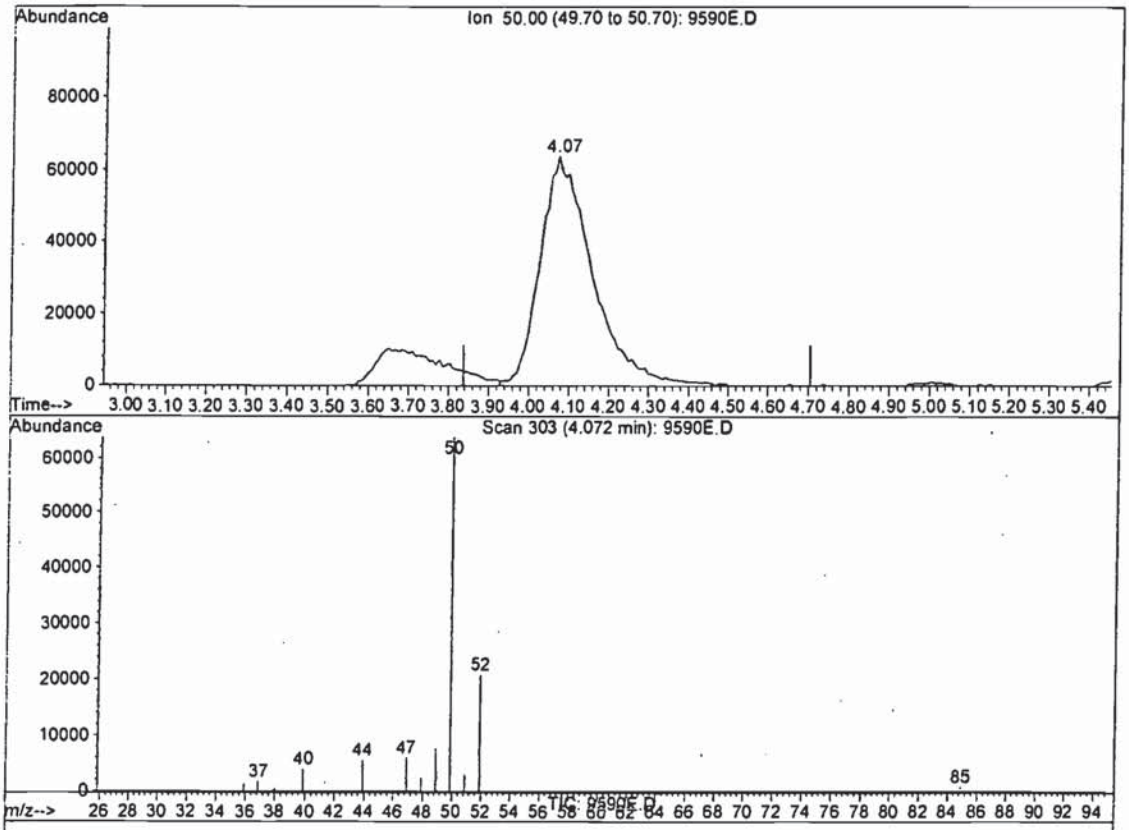
Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9590E.D 8260E1.M Wed Oct 11 03:39:09 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
Quant Time: Oct 11 3:39 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(3) Chloromethane (P)

4.07min 39.05UG/L m

response 578529

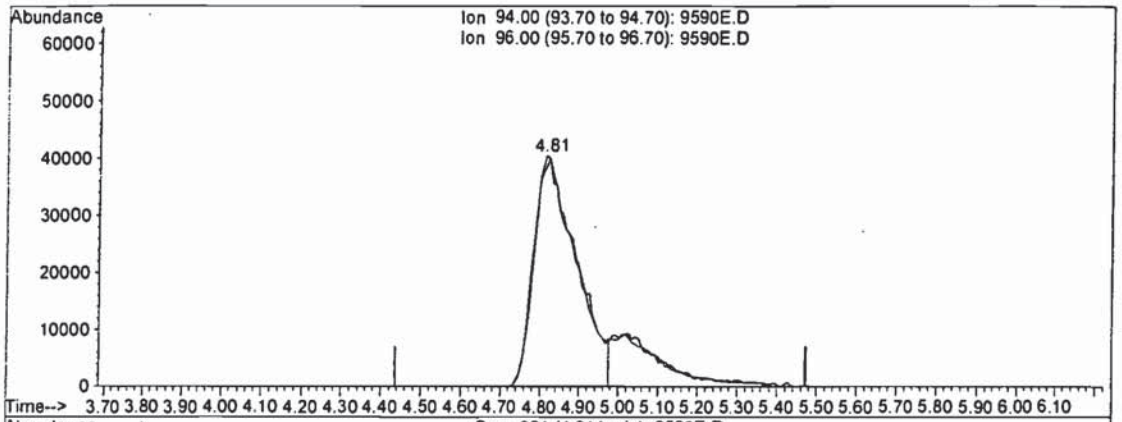
Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

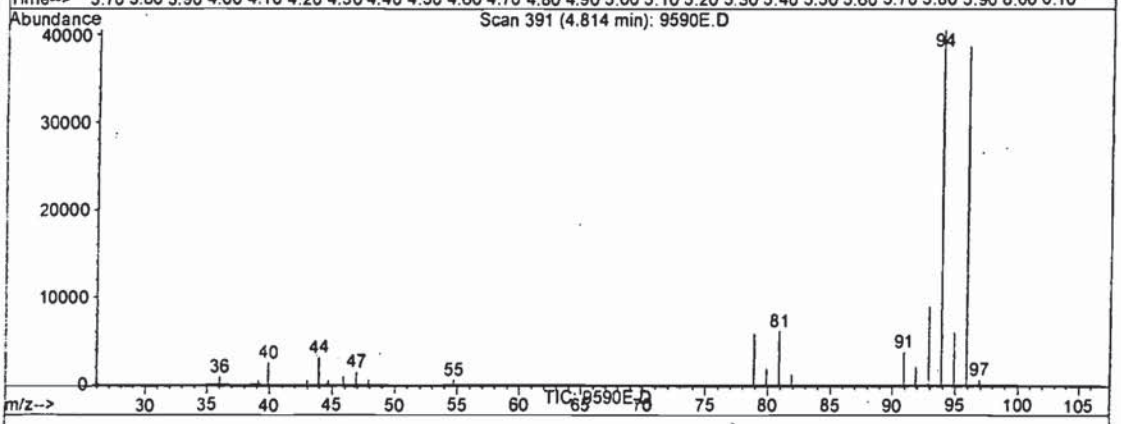
9590E.D 8260E1.M Wed Oct 11 03:39:15 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
Quant Time: Oct 11 3:39 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.81min 30.84UG/L

response 304970

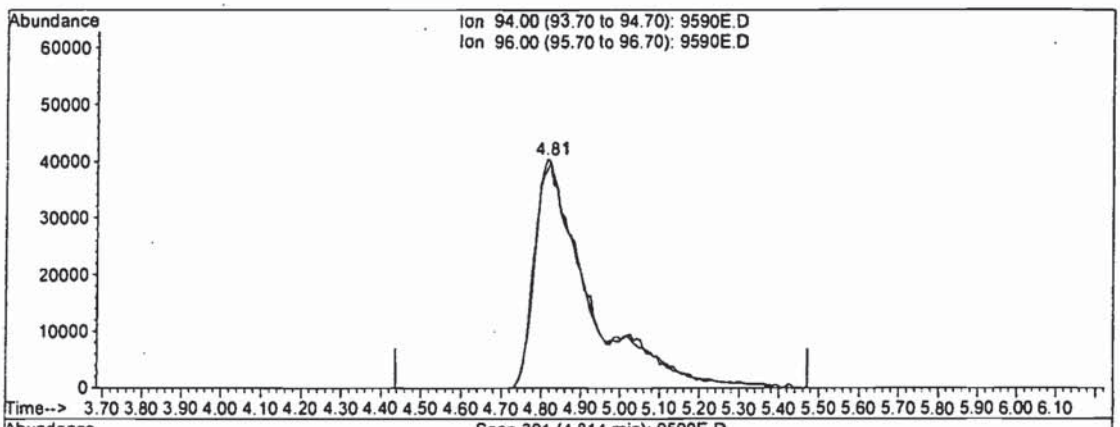
Ion	Exp%	Act%
94.00	100	100
96.00	96.80	96.73
0.00	0.00	0.00
0.00	0.00	0.00

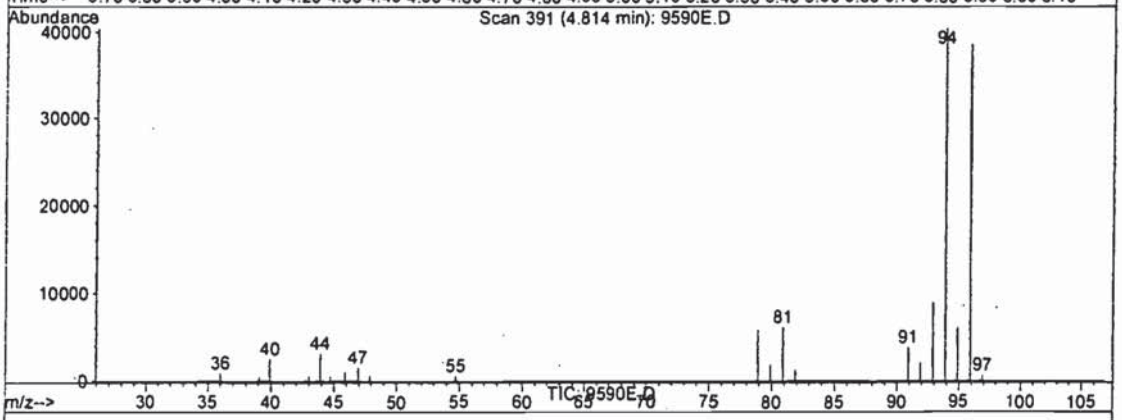
9590E.D 8260E1.M Wed Oct 11 03:39:20 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
Quant Time: Oct 11 3:39 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.81min 42.86UG/L m

response 390638

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	75.51#
0.00	0.00	0.00
0.00	0.00	0.00

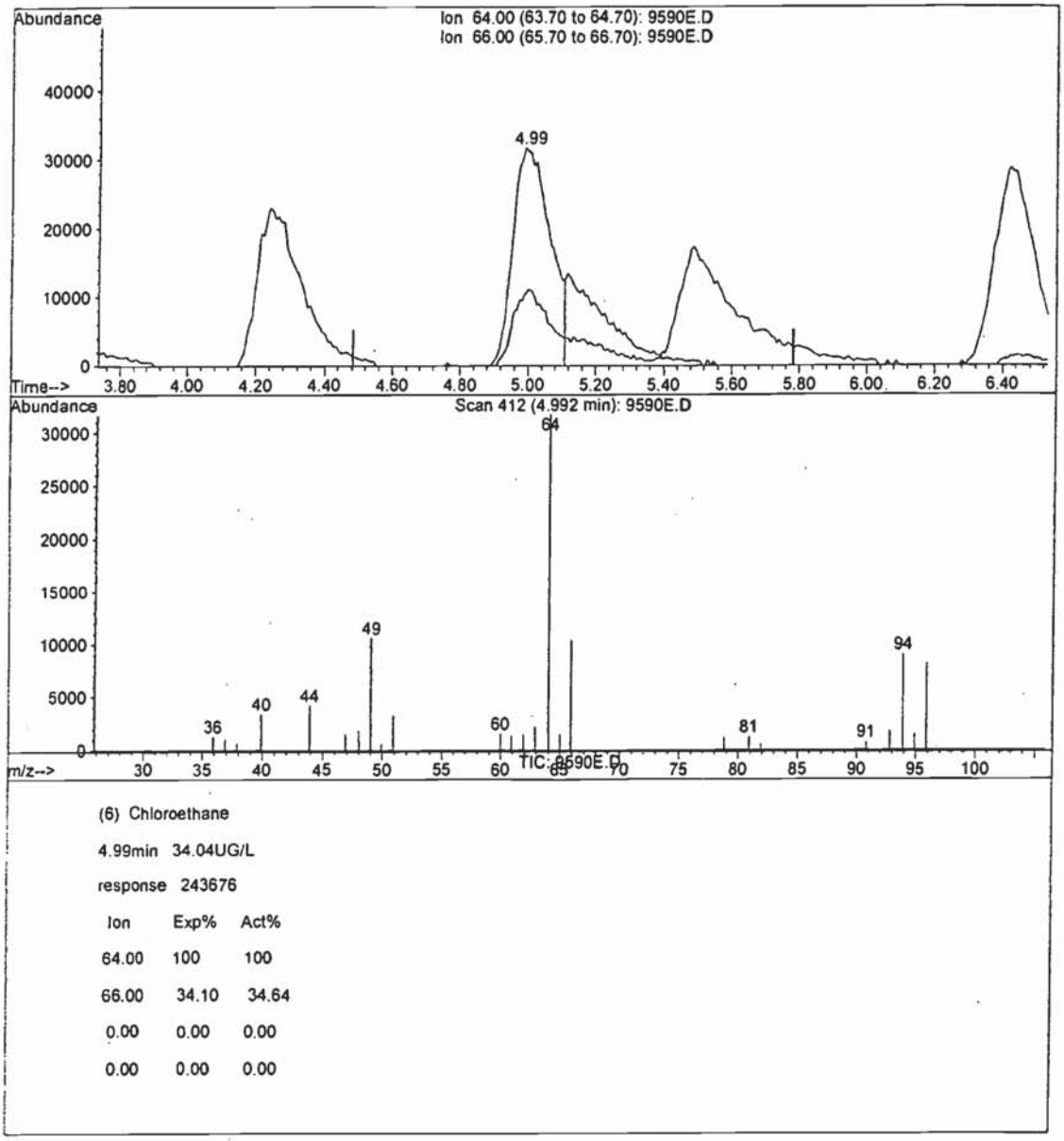
9590E.D 8260E1.M Wed Oct 11 03:39:25 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
Quant Time: Oct 11 3:39 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.99min 34.04UG/L

response 243676

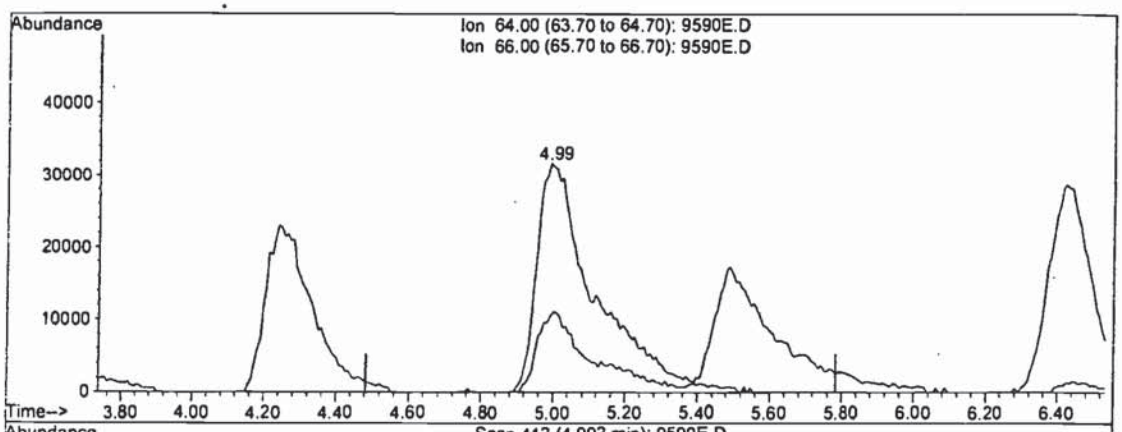
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	34.64
0.00	0.00	0.00
0.00	0.00	0.00

9590E.D 8260E1.M Wed Oct 11 03:39:29 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D Vial: 1
Acq On : 11 Oct 06 3:06 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/11/06 Multiplr: 1.00
Quant Time: Oct 11 3:39 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.99min 49.55UG/L m

response 354653

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	23.80#
0.00	0.00	0.00
0.00	0.00	0.00

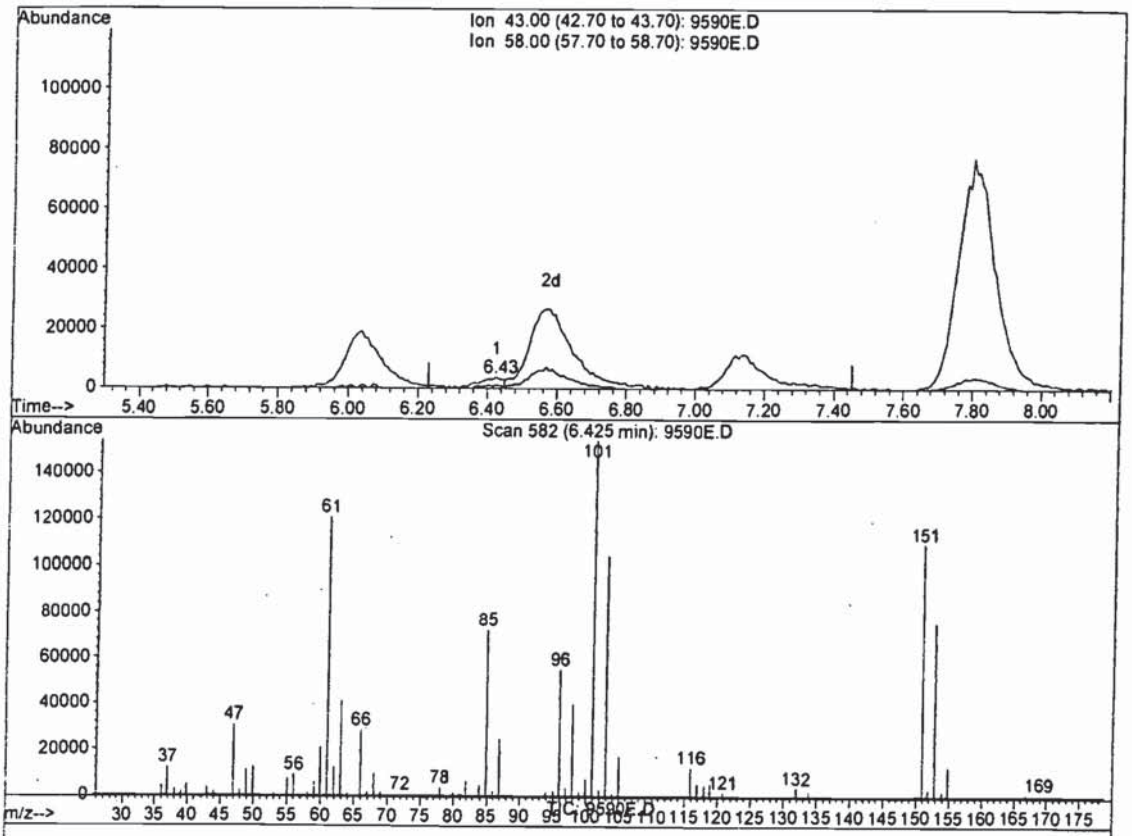
9590E.D 8260E1.M Wed Oct 11 03:39:34 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
Quant Time: Oct 11 3:39 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.43min 3.78UG/L

response 17703

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	15.18#
0.00	0.00	0.00
0.00	0.00	0.00

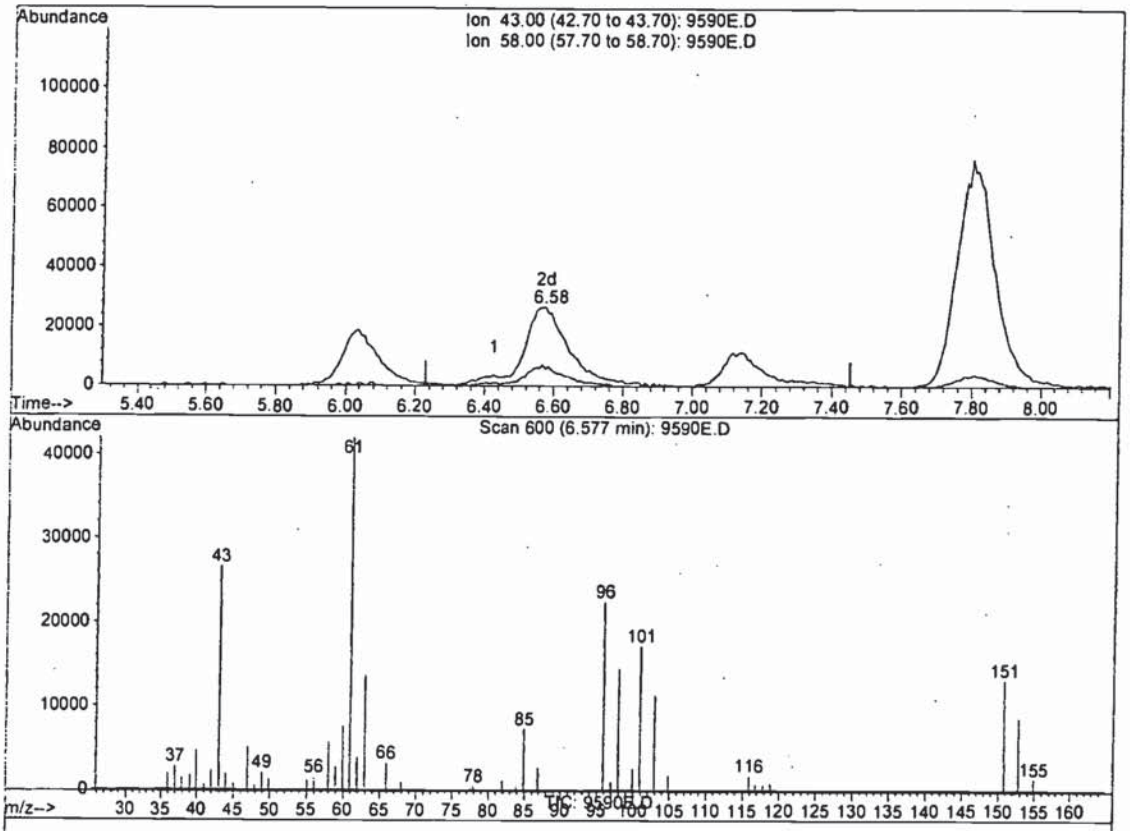
9590E.D 8260E1.M Wed Oct 11 03:39:41 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101106\9590E.D
Acq On : 11 Oct 06 3:06
Sample : VSTD050
Misc : CALIBRATION CHECK 10/11/06
Quant Time: Oct 11 3:39 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.58min 53.29UG/L m

response 249690

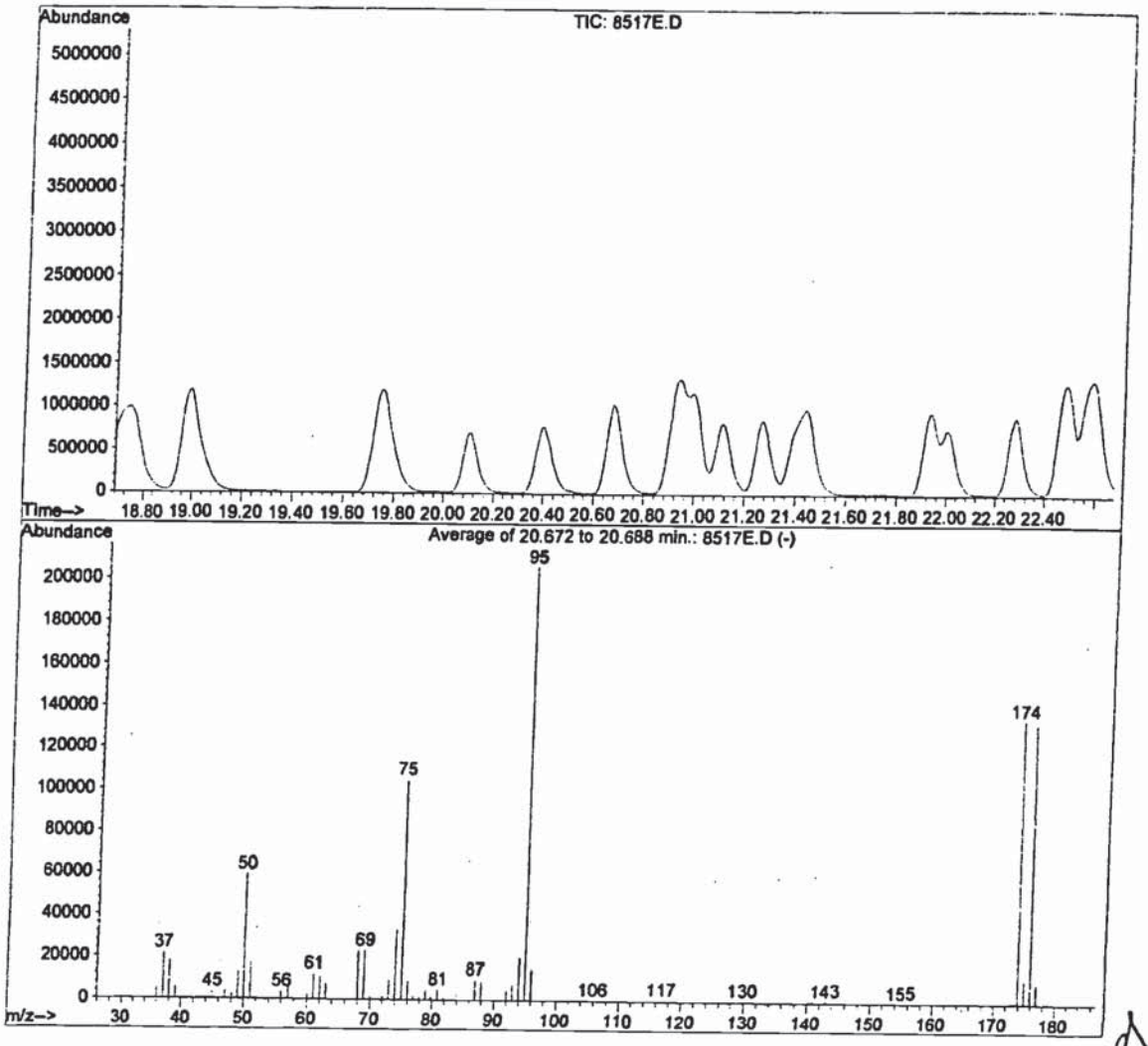
Ion	Exp%	Act%
43.00	100	100
58.00	30.50	1.08#
0.00	0.00	0.00
0.00	0.00	0.00

9590E.D 8260E1.M Wed Oct 11 03:39:46 2006

BFB

Data File : E:\DATA\E071306\8517E.D
Acq On : 13 Jul 06 17:27
Sample : A739701 MSD
Misc :
MS Integration Params: rteint.p
Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 2271, 2272, 2273; Background Corrected with Scan 2259

RDS 7/18/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.8	59387	PASS
75	95	30	60	50.9	105067	PASS
95	95	100	100	100.0	206229	PASS
96	95	5	9	7.0	14500	PASS
173	174	0.00	2	0.3	458	PASS
174	95	50	100	65.6	135189	PASS
175	174	5	9	8.1	10926	PASS
176	174	95	101	98.7	133376	PASS
177	176	5	9	7.1	9415	PASS

8517E.D APPIXX.M Tue Jul 18 07:12:36 2006 RPT1

Average of 20.672 to 20.688 min.: 8517E.D
A739701 MSD
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	5490	51.00	17776	68.00	23109	79.85	1504
37.00	21901	52.00	896	69.00	23371	80.90	5063
38.00	17897	55.00	902	70.00	1772	81.90	1206
39.00	5970	56.00	3924	72.00	1516	86.90	9857
39.95	83	57.00	6496	73.00	9918	87.95	8922
44.00	1372	60.00	2713	74.00	33376	90.95	528
45.00	3740	61.00	12061	75.00	105067	92.00	4944
47.00	4295	62.00	11035	76.00	9787	93.00	7316
48.00	2377	63.00	7884	76.95	1657	94.00	20461
49.00	13285	64.00	668	78.00	1425	95.00	206229
50.00	59387	67.05	893	78.90	4524	96.00	14500

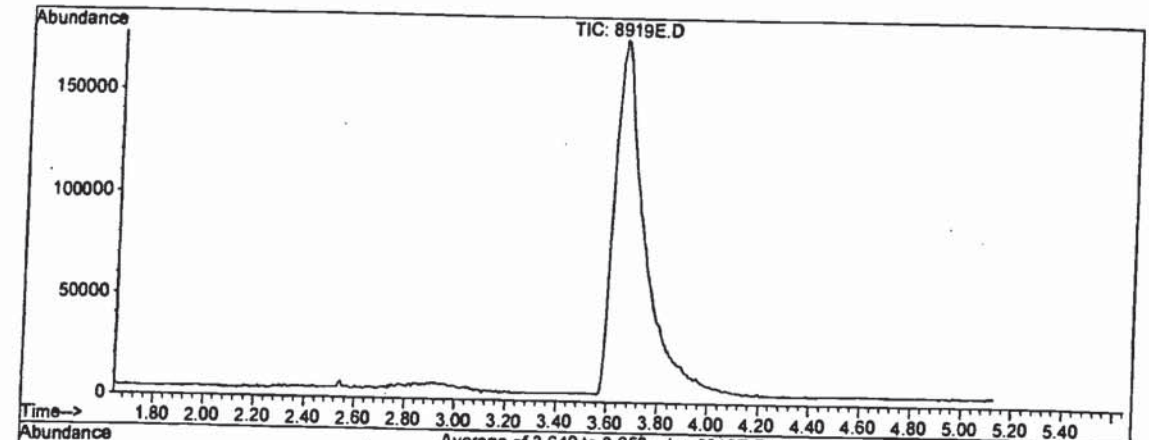
Average of 20.672 to 20.688 min.: 8517E.D
A739701 MSD
Modified:subtracted

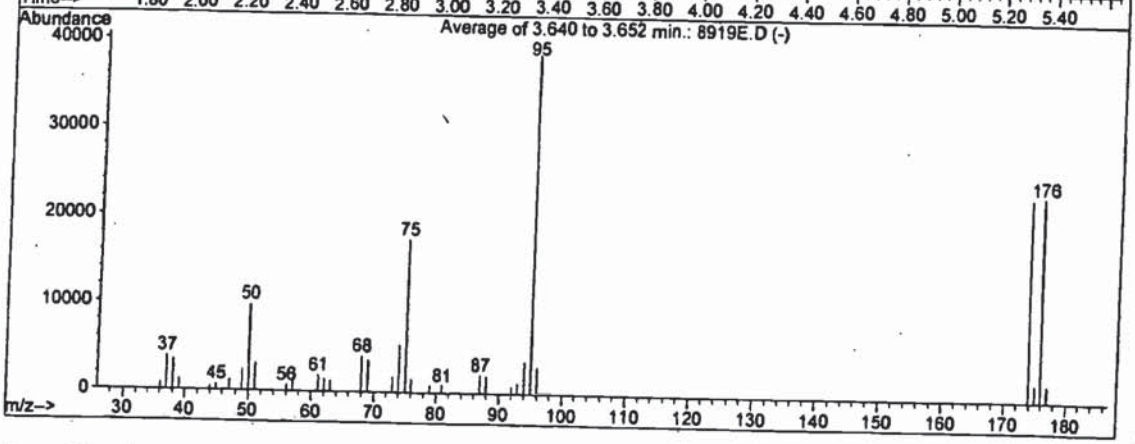
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	188	142.90	1104				
102.90	195	154.90	208				
103.85	790	173.00	458				
105.90	796	173.90	135189				
115.90	216	174.90	10926				
116.85	913	175.90	133376				
117.90	189	176.90	9415				
118.90	851						
127.90	507						
129.85	690						
140.90	1034						

BFB

Data File : C:\HPCHEM\DATA\E081606\8919E.D
Acq On : 16 Aug 06 6:14
Sample : BFB TUNE CHECK
Misc : 8/16/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

Vial: 9
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00





AutoFind: Scans 434, 435, 436; Background Corrected with Scan 420

8/17/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	9806	PASS
75	95	30	60	45.2	17464	PASS
95	95	100	100	100.0	38619	PASS
96	95	5	9	7.8	3012	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	59.7	23069	PASS
175	174	5	9	8.8	2027	PASS
176	174	95	101	100.9	23269	PASS
177	176	5	9	8.0	1865	PASS

8919E.D 8260E1.M Wed Aug 16 06:21:42 2006

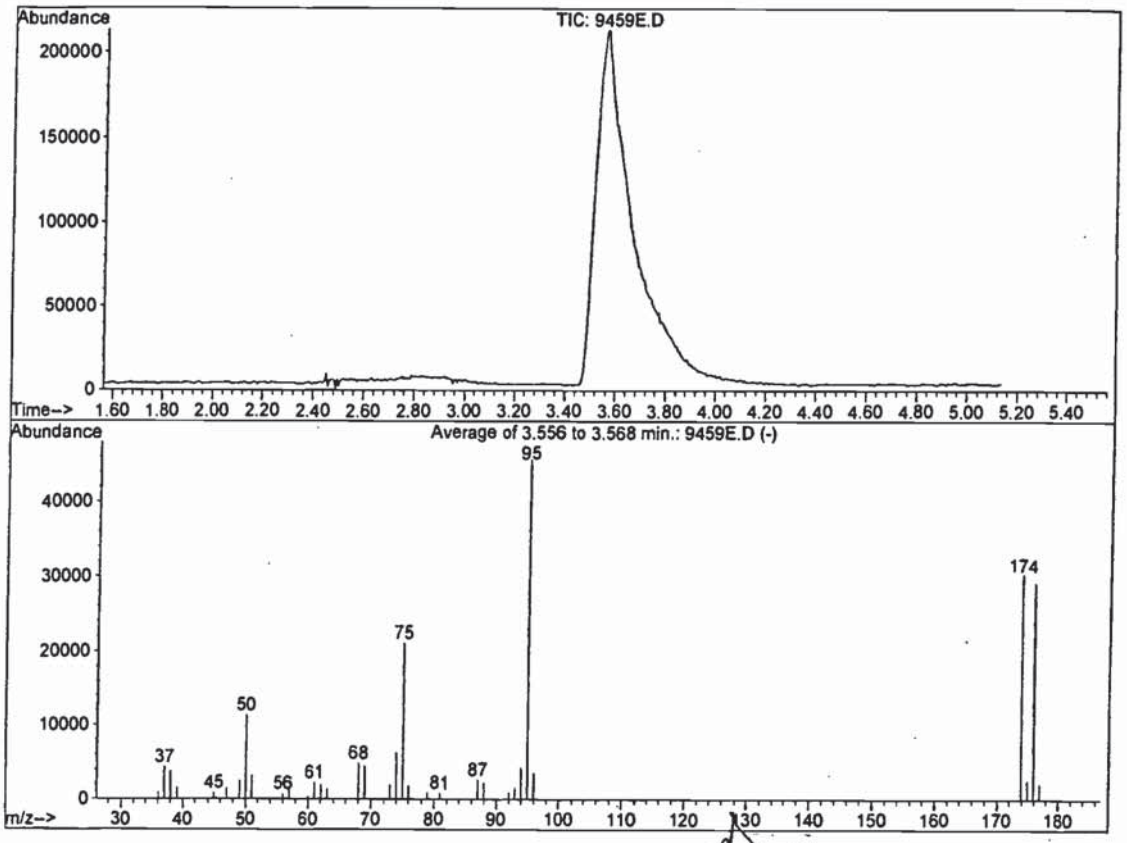
Average of 3.640 to 3.652 min.: 8919E.D
BFB TUNE CHECK
Modified: subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	840	57.00	1331	78.95	824	175.90	23269
37.05	3865	60.00	182	80.90	860	176.90	1865
38.05	3440	61.05	1896	87.00	2109		
39.05	1285	62.05	1493	88.00	2026		
44.00	455	63.05	1246	92.00	879		
45.00	738	68.00	4034	93.00	1285		
47.05	1200	69.05	3627	94.00	3671		
49.00	2480	73.00	1885	95.00	38619		
50.00	9806	74.00	5384	96.00	3012		
51.05	3064	75.05	17464	173.90	23069		
56.05	733	76.00	1512	174.95	2027		

BFB

Data File : C:\HPCHEM\DATA\E100306\9459E.D
Acq On : 3 Oct 06 5:22
Sample : BFB TUNE CHECK
Misc : 10/3/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 420, 421, 422; Background Corrected with Scan 402

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	11341	PASS
75	95	30	60	46.2	21075	PASS
95	95	100	100	100.0	45645	PASS
96	95	5	9	7.7	3502	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.3	30285	PASS
175	174	5	9	8.3	2512	PASS
176	174	95	101	96.5	29211	PASS
177	176	5	9	7.0	2049	PASS

9459E.D 8260E1.M Tue Oct 03 05:28:23 2006

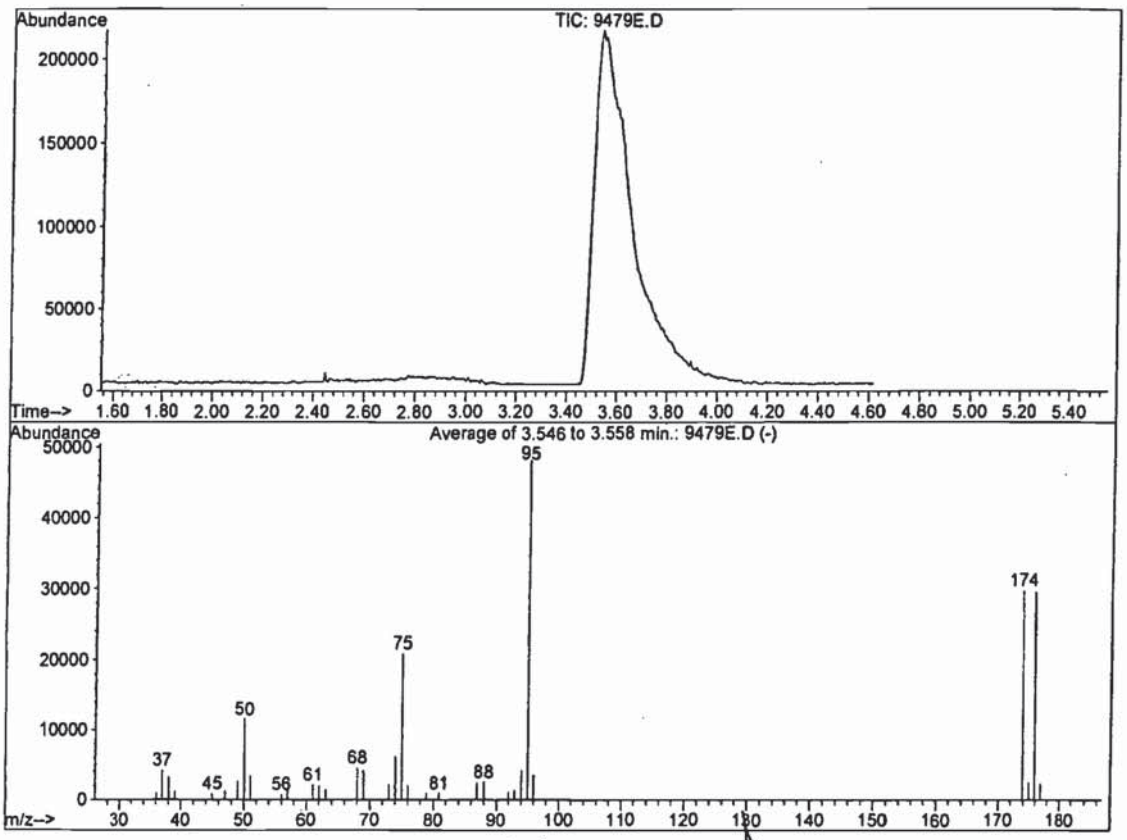
Average of 3.556 to 3.568 min.: 9459E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1001	56.00	747	75.00	21075	173.90	30285
37.00	4306	57.00	1362	76.00	1824	174.90	2512
38.00	3674	60.00	365	78.95	882	175.90	29211
39.05	1519	61.00	2231	80.90	803	176.90	2049
40.00	217	62.05	1914	87.00	2539		
44.00	218	63.00	1341	87.95	2213		
45.00	826	68.00	4814	92.00	870		
47.00	1410	69.00	4488	93.00	1496		
49.05	2472	70.00	205	94.00	4199		
50.00	11341	73.00	1991	95.00	45645		
51.05	3112	74.00	6265	96.00	3502		

BFB

Data File : C:\HPCHEM\DATA\E100406\9479E.D
Acq On : 4 Oct 06 5:03
Sample : BFB TUNE CHECK
Misc : 10/4/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 419, 420, 421; Background Corrected with Scan 402

10/5/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	11511	PASS
75	95	30	60	43.5	20920	PASS
95	95	100	100	100.0	48139	PASS
96	95	5	9	7.5	3596	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.8	29765	PASS
175	174	5	9	8.2	2430	PASS
176	174	95	101	99.2	29512	PASS
177	176	5	9	7.8	2299	PASS

9479E.D 8260E1.M Wed Oct 04 05:08:43 2006

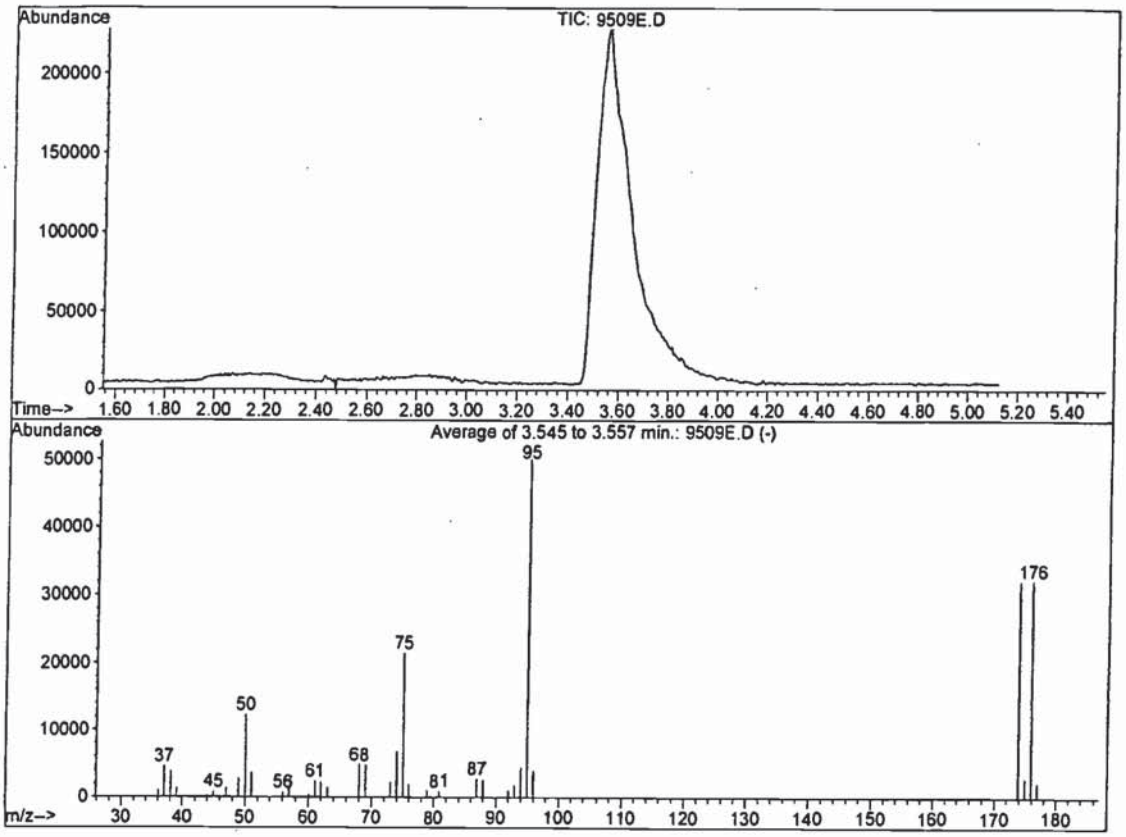
Average of 3.546 to 3.558 min.: 9479E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	977	56.00	789	78.90	856	175.90	29512
37.00	4274	57.00	1434	80.90	922	176.90	2299
38.05	3210	61.00	2151	86.95	2382		
39.05	1200	62.00	1995	88.00	2542		
40.00	84	63.05	1418	92.00	1069		
44.00	259	68.00	4581	93.00	1455		
45.00	865	69.00	4267	94.00	4219		
47.00	1289	73.00	2159	95.00	48139		
49.00	2719	74.00	6186	96.00	3596		
50.00	11511	75.00	20920	173.90	29765		
51.00	3426	76.00	1995	174.95	2430		

BFB

Data File : C:\HPCHEM\DATA\E100606\9509E.D
Acq On : 6 Oct 06 2:50
Sample : BFB TUNE CHECK
Misc : 10/6/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 419, 420, 421; Background Corrected with Scan 402

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	12244	PASS
75	95	30	60	42.9	21472	PASS
95	95	100	100	100.0	50109	PASS
96	95	5	9	7.8	3909	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	64.1	32117	PASS
175	174	5	9	8.8	2824	PASS
176	174	95	101	100.1	32163	PASS
177	176	5	9	6.8	2173	PASS

9509E.D 8260E1.M Fri Oct 06 02:56:31 2006

JS 10-10-06

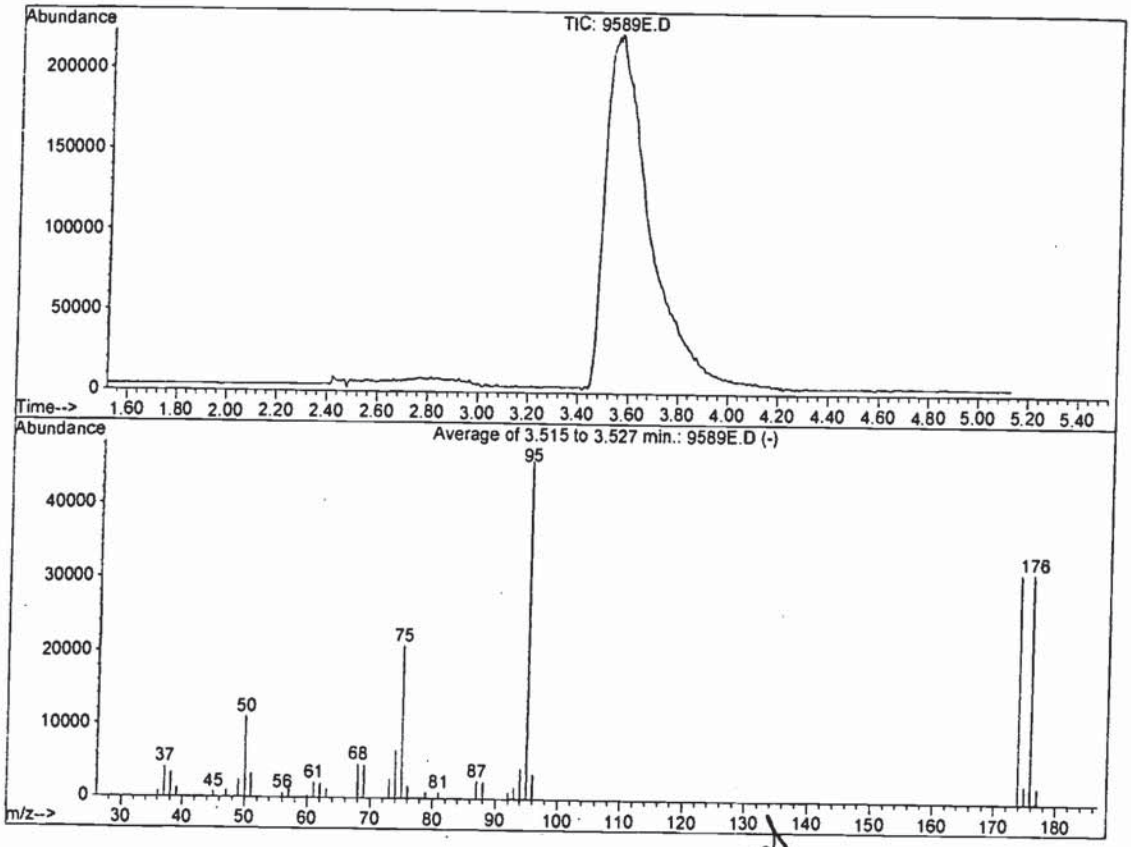
Average of 3.545 to 3.557 min.: 9509E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1106	51.00	3643	74.00	6844	96.00	3909
37.00	4583	56.05	760	75.00	21472	173.90	32117
38.05	3868	57.00	1372	76.00	1910	174.90	2824
39.05	1387	60.05	429	78.90	1067	175.90	32163
40.00	49	61.05	2398	80.90	944	176.90	2173
44.00	245	62.00	2265	86.95	2756		
45.00	882	63.05	1440	88.00	2578		
47.00	1372	68.00	4893	92.00	1037		
48.00	174	69.00	4803	93.00	1882		
49.00	2860	70.00	172	94.00	4460		
50.00	12244	73.00	2238	95.00	50109		

BFB

Data File : C:\HPCHEM\DATA\E101106\9589E.D
Acq On : 11 Oct 06 2:41
Sample : BFB TUNE CHECK
Misc : 10/11/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 414, 415, 416; Background Corrected with Scan 400

RJ 10/11/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	11046	PASS
75	95	30	60	45.6	20992	PASS
95	95	100	100	100.0	46072	PASS
96	95	5	9	7.5	3473	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	31237	PASS
175	174	5	9	8.2	2564	PASS
176	174	95	101	100.4	31357	PASS
177	176	5	9	7.1	2225	PASS

9589E.D 8260E1.M Wed Oct 11 02:46:51 2006

Average of 3.515 to 3.527 min.: 9589E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	798	60.00	383	77.00	170	173.90	31237
37.05	4155	61.00	2117	78.00	173	174.90	2564
38.05	3332	62.00	2005	78.90	946	175.90	31357
39.05	1306	63.00	1347	80.90	928	176.90	2225
45.05	790	68.00	4714	87.00	2414		
47.05	1071	69.00	4501	88.00	2273		
49.00	2404	70.00	189	92.00	967		
50.00	11046	73.00	2557	93.00	1627		
51.00	3373	74.00	6559	94.00	4185		
56.00	716	75.00	20992	95.00	46072		
57.00	1205	76.00	1743	96.00	3473		

R509820 Heritage Environmental Services, LLC Q1888678

QC Report

QCType BLA01 Duplicate SampleID DataFile 9462E.D
Date Entered 04Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 03Oct06 07:02:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

RJ 10/4/06

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QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					98	
726	TOLUENE-D8					100	
3362	DIBROMOFLUOROMETHANE					102	
196	4-BROMOFLUOROBENZENE					110	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9462E.D
Acq On : 3 Oct 06 7:02
Sample : VBLK
Misc : 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 7:32 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1888678

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1757329	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1349984	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.59	152	822433	50.00 UG/L	0.04

System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	700431	49.12 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.24%#		
44) Toluene-d8	15.31	98	1561126	49.95 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 99.90%#		
47) Dibromofluoromethane	10.51	113	1142155	50.88 UG/L	0.05
Spiked Amount 50.000			Recovery = 101.76%		
50) 4-Bromofluorobenzene	20.70	95	1408254	54.86 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 109.72%#		

Target Compounds					Qvalue
13) Methylene Chloride	7.30	84	69797	3129.84 UG/L	86
15) Carbon Disulfide	6.89	76	28690	1363.97 UG/L #	73
34) Isobutanol	11.07	43	4843	8.86 UG/L	100
36) N-Butanol	12.44	43	624	2.30 UG/L	100

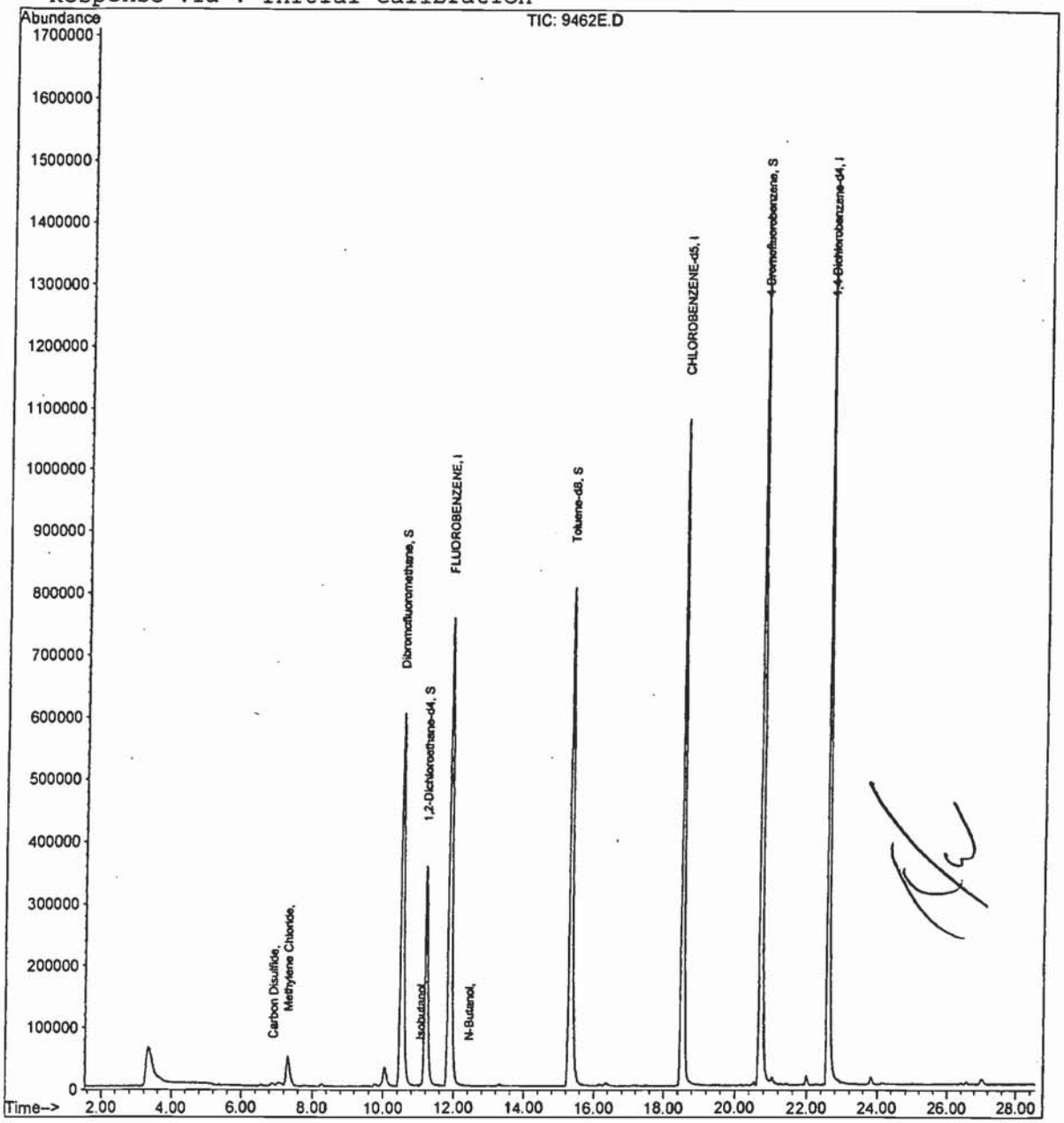
(#) = qualifier out of range (m) = manual integration

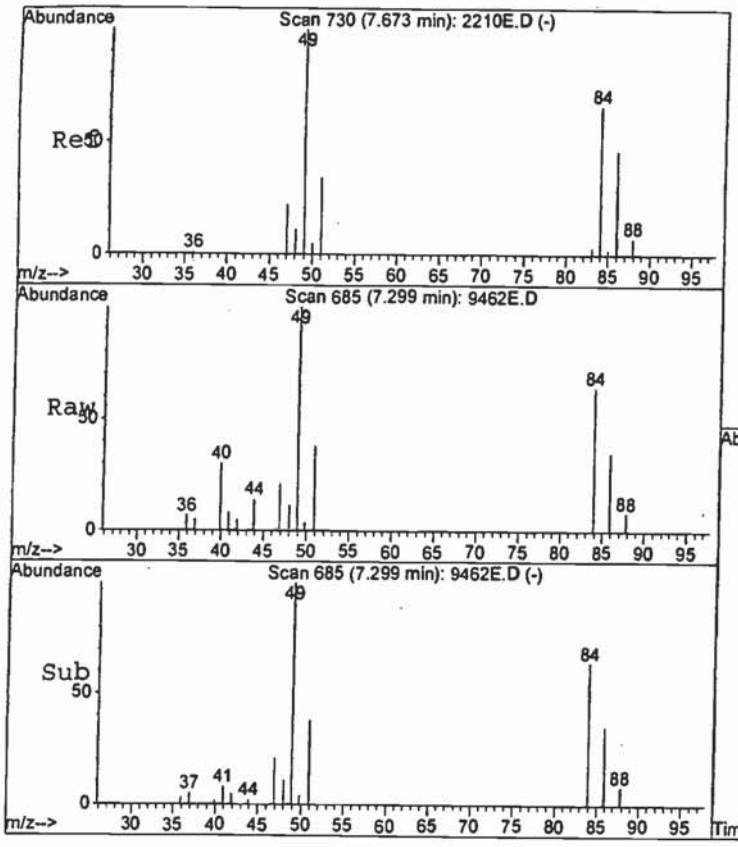
Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9462E.D
Acq On : 3 Oct 06 7:02
Sample : VBLK
Misc : 10/3/06
MS Integration Params: rteint.p
Quant Time: Oct 3 7:32 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

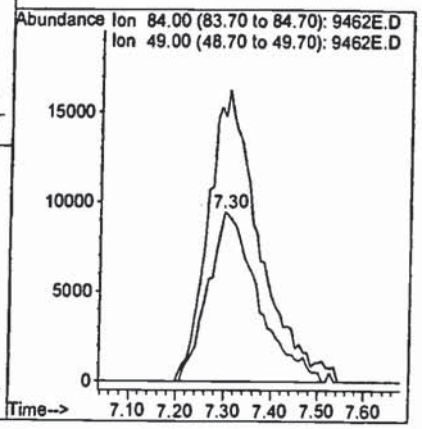


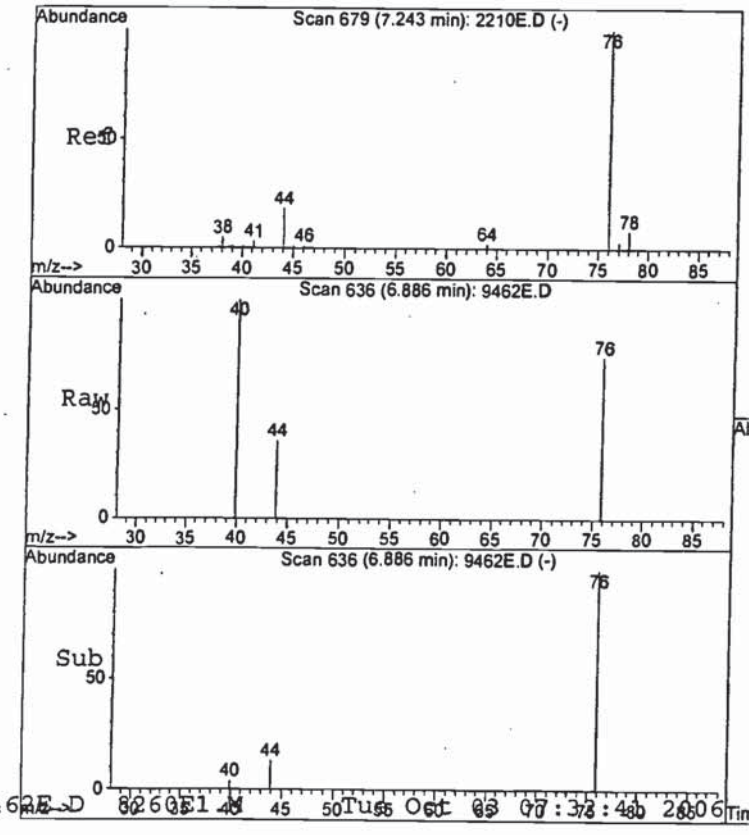


#13
Methylene Chloride
Concen: 3129.84 UG/L
RT: 7.30 min Scan# 685
Delta R.T. 0.06 min
Lab File: 9462E.D
Acq: 3 Oct 06 7:02

Tgt Ion: 84 Resp: 69797

Ion	Ratio	Lower	Upper
84	100		
49	171.8	123.1	184.7

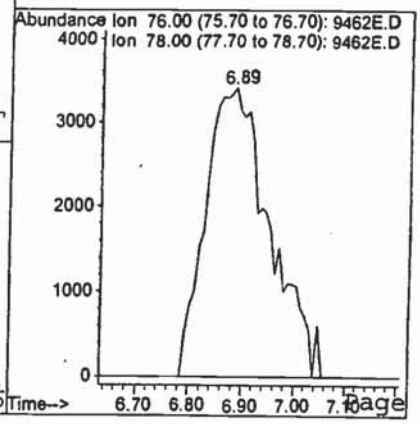


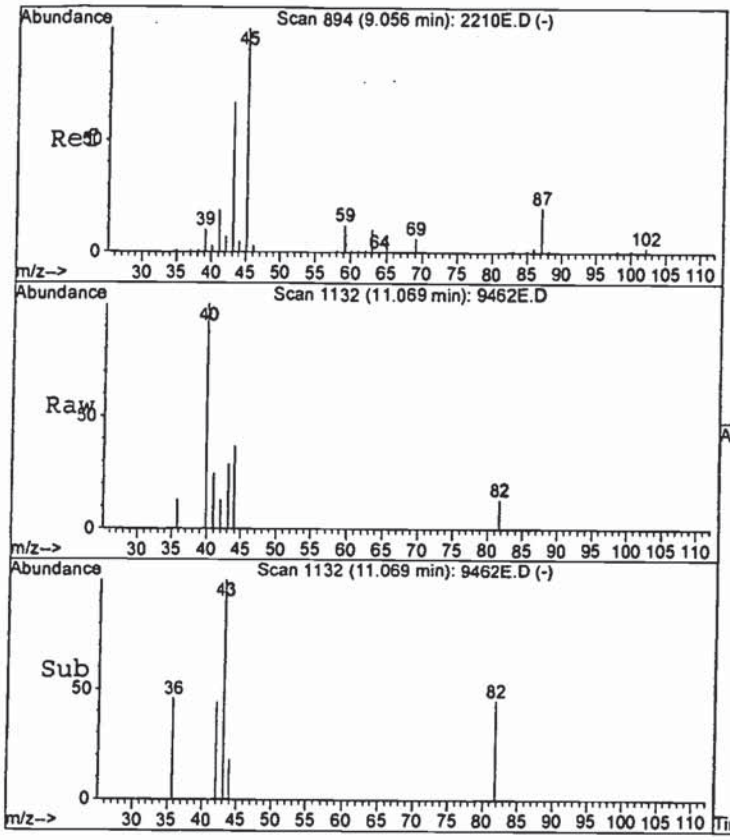


#15
Carbon Disulfide
Concen: 1363.97 UG/L
RT: 6.89 min Scan# 636
Delta R.T. 0.08 min
Lab File: 9462E.D
Acq: 3 Oct 06 7:02

Tgt Ion: 76 Resp: 28690

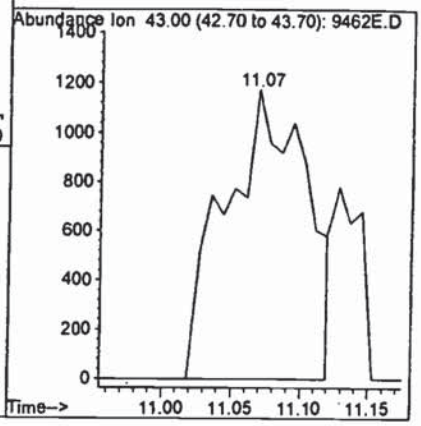
Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#

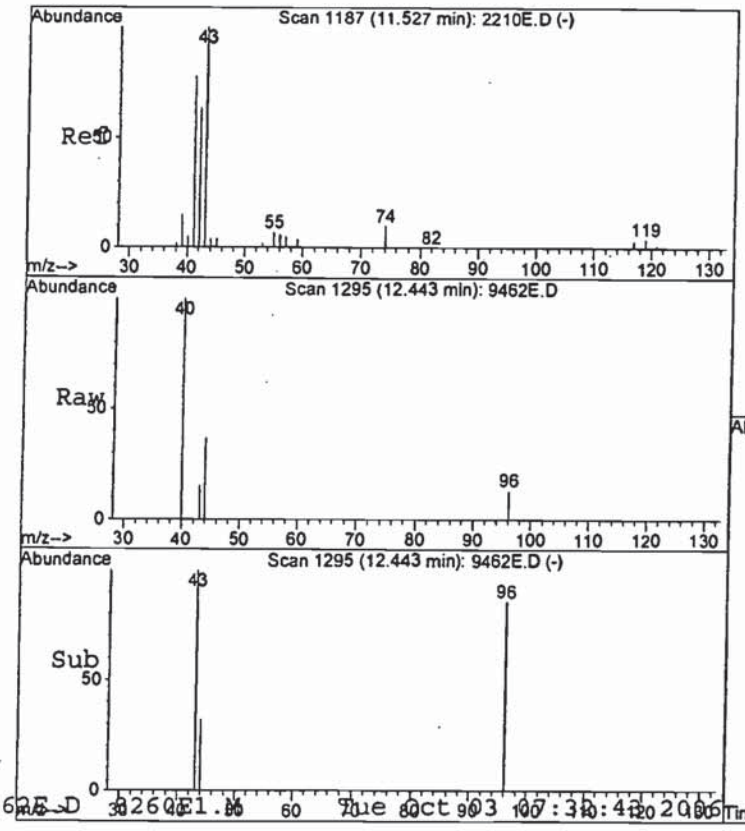




#34
Isobutanol
Concen: 8.86 UG/L
RT: 11.07 min Scan# 1132
Delta R.T. 0.05 min
Lab File: 9462E.D
Acq: 3 Oct 06 7:02

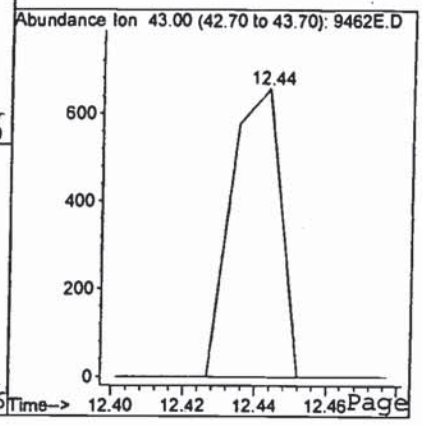
Tgt Ion: 43 Resp: 4843





#36
N-Butanol
Concen: 2.30 UG/L
RT: 12.44 min Scan# 1295
Delta R.T. 0.07 min
Lab File: 9462E.D
Acq: 3 Oct 06 7:02

Tgt Ion: 43 Resp: 624



R509893 Heritage Environmental Services, LLC Q1888983

QC Report

QCType BLA01 Duplicate SampleID DataFile 9482E.D
Date Entered 05Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 06:41:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

RD 10/5/06

R509893 Heritage Environmental Services, LLC Q1888983

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					95	
726	TOLUENE-D8					101	
3362	DIBROMOFLUOROMETHANE					100	
196	4-BROMOFLUOROBENZENE					111	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9482E.D
Acq On : 4 Oct 06 6:41
Sample : VBLK
Misc : 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 7:10 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1888983

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1705280	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.51	117	1321971	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.60	152	824720	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	658705	47.61 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery	= 95.22%#	
44) Toluene-d8	15.32	98	1534003	50.58 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery	= 101.16%#	
47) Dibromofluoromethane	10.53	113	1094491	50.24 UG/L	0.06
Spiked Amount 50.000			Recovery	= 100.48%	
50) 4-Bromofluorobenzene	20.70	95	1387216	55.69 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery	= 111.38%#	

Target Compounds					Qvalue
8) Acrolein	7.77	56	798	2.18 UG/L	100
15) Carbon Disulfide	6.87	76	10992	1364.41 UG/L #	86
34) Isobutanol	11.07	43	3183	6.00 UG/L	100
36) N-Butanol	12.46	43	271	1.03 UG/L	100

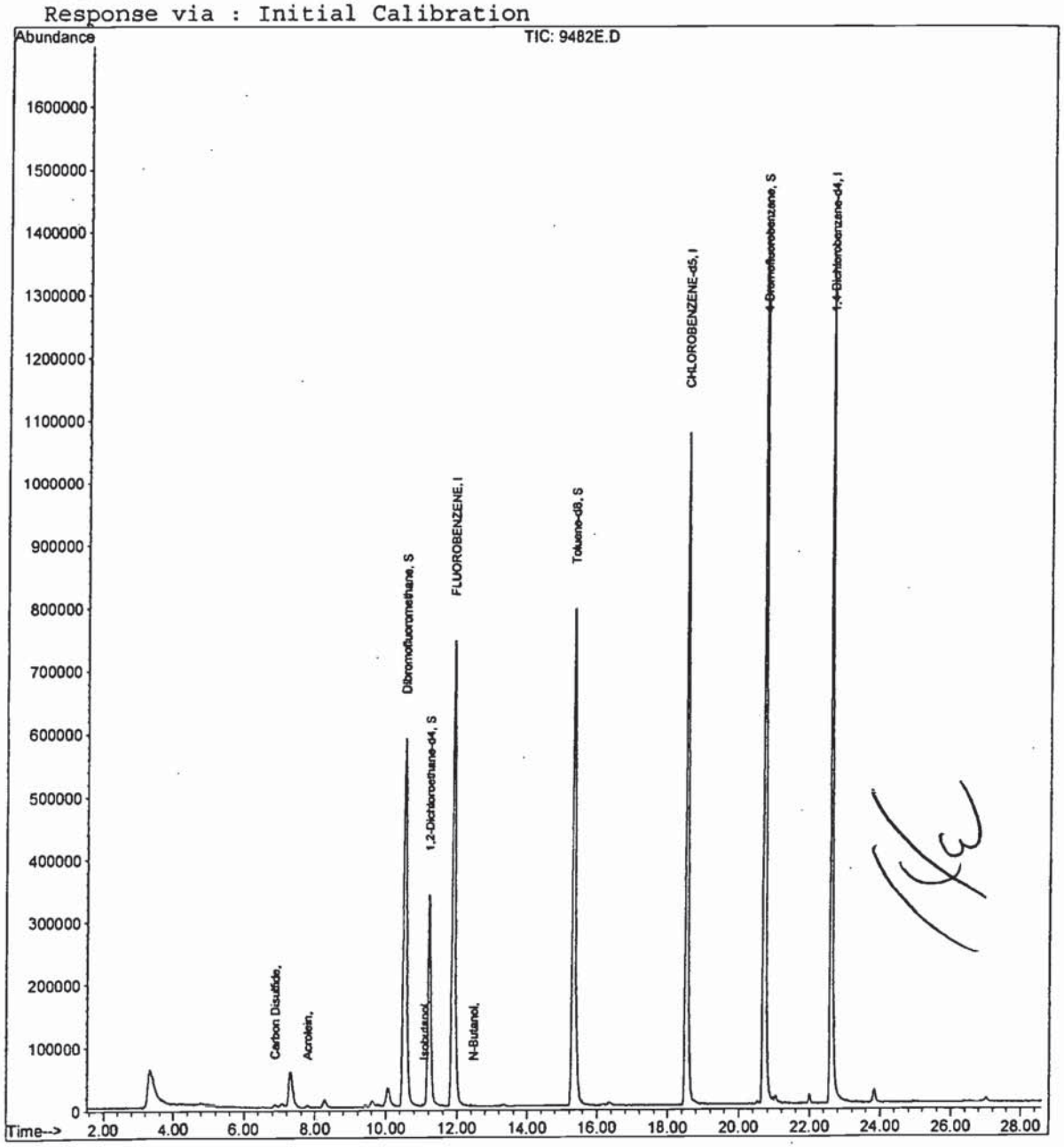
(#) = qualifier out of range (m) = manual integration

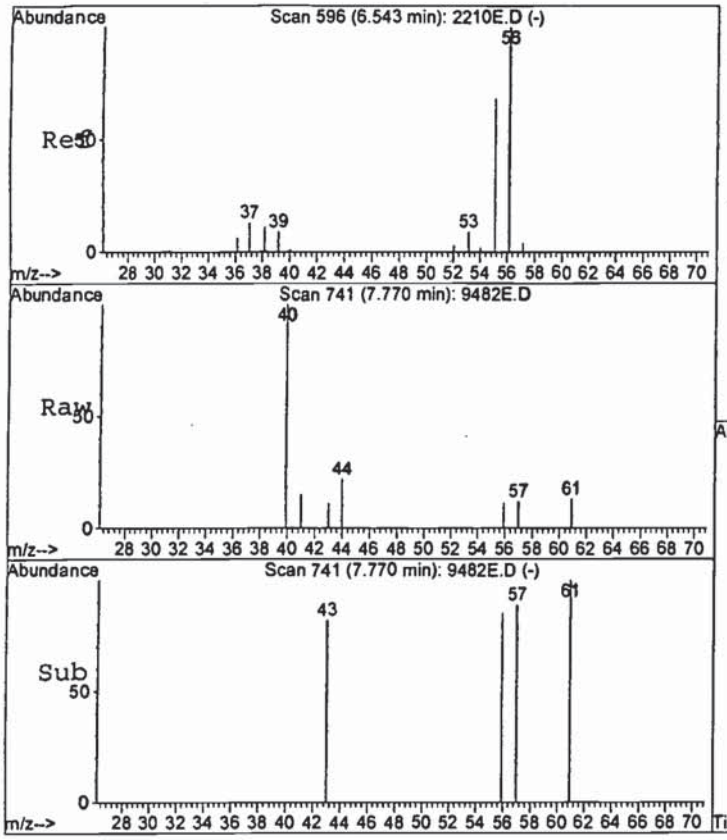
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9482E.D
Acq On : 4 Oct 06 6:41
Sample : VBLK
Misc : 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 7:10 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

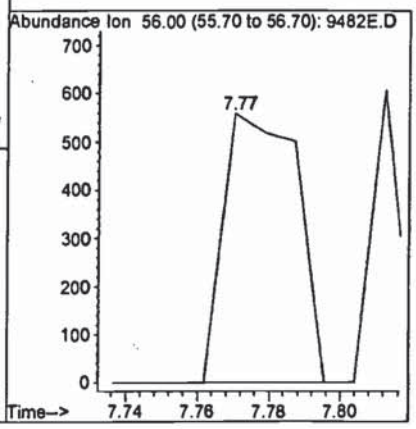
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

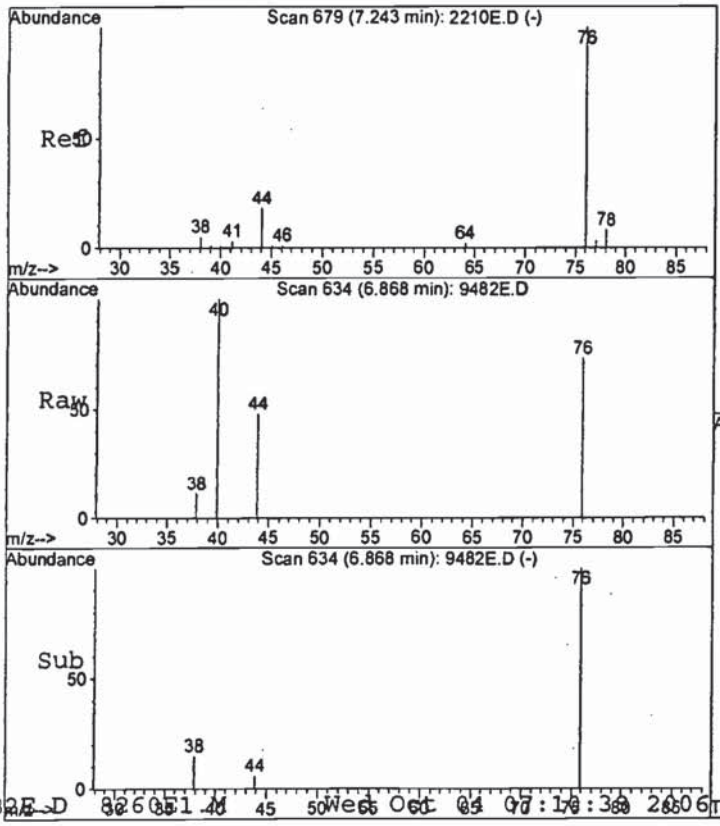




#8
Acrolein
Concen: 2.18 UG/L
RT: 7.77 min Scan# 741
Delta R.T. 0.03 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 56 Resp: 798

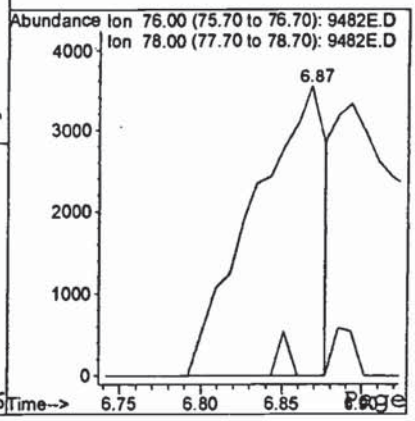


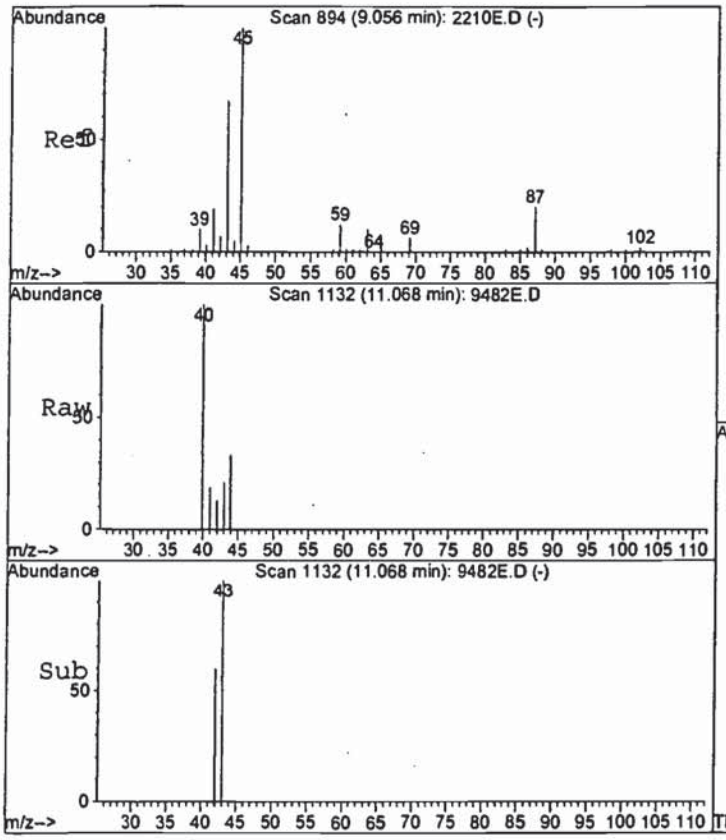


#15
Carbon Disulfide
Concen: 1364.41 UG/L
RT: 6.87 min Scan# 634
Delta R.T. 0.06 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 76 Resp: 10992

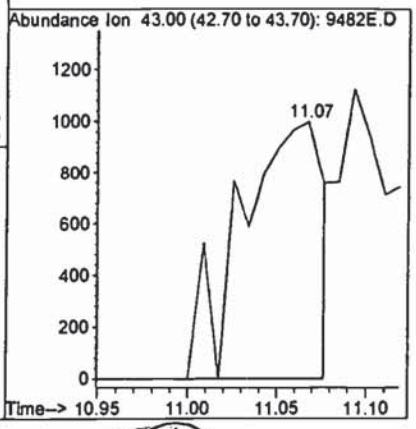
Ion	Ratio	Lower	Upper
76	100		
78	5.1	8.2	12.2#

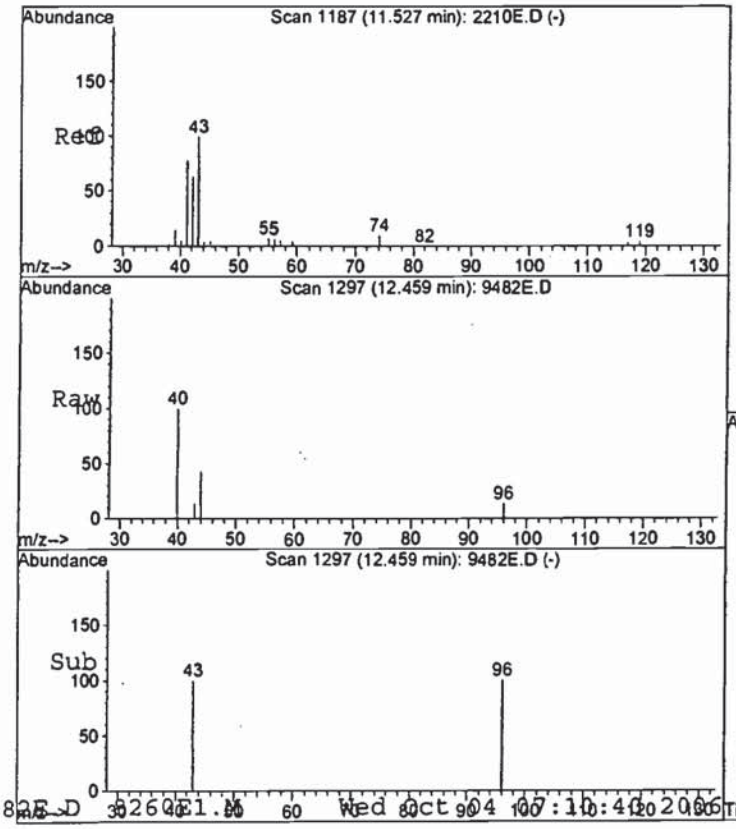




#34
Isobutanol
Concen: 6.00 UG/L
RT: 11.07 min Scan# 1132
Delta R.T. 0.05 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

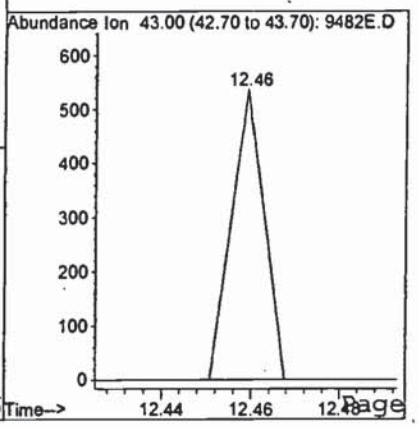
Tgt Ion: 43 Resp: 3183





#36
N-Butanol
Concen: 1.03 UG/L
RT: 12.46 min Scan# 1297
Delta R.T. 0.09 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 43 Resp: 271



R510038 Heritage Environmental Services, LLC Q1889744

QC Report

QCType BLA01 Duplicate SampleID DataFile 9512E.D
Date Entered 10Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 06Oct06 04:37:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

/ LB 10-10-06

LB 10-10-06

R510038 Heritage Environmental Services, LLC Q1889744

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					99	
726	TOLUENE-D8					100	
3362	DIBROMOFLUOROMETHANE					103	
196	4-BROMOFLUOROBENZENE					108	

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9512E.D
Acq On : 6 Oct 06 4:37
Sample : VBLK
Misc : 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 5:07 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1889744

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1870245	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1437205	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.57	152	885736	50.00 UG/L	0.02
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.19	65	752980	49.62 UG/L	0.03
Spiked Amount 50.000	Range 40 - 60		Recovery = 99.24%#		
44) Toluene-d8	15.30	98	1664248	50.03 UG/L	0.04
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.06%#		
47) Dibromofluoromethane	10.51	113	1226299	51.33 UG/L	0.05
Spiked Amount 50.000			Recovery = 102.66%		
50) 4-Bromofluorobenzene	20.68	95	1473681	53.94 UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 107.88%#		

Target Compounds					Qvalue
11) Acetone	6.56	43	12507	2.55 UG/L #	57
13) Methylene Chloride	7.31	84	70675	3130.10 UG/L	77
15) Carbon Disulfide	6.88	76	19967	1364.22 UG/L #	73
34) Isobutanol	11.05	43	1423	2.45 UG/L	100
36) N-Butanol	12.40	43	1416	4.90 UG/L	100
82) Naphthalene	26.37	128	25398	1.27 UG/L	100

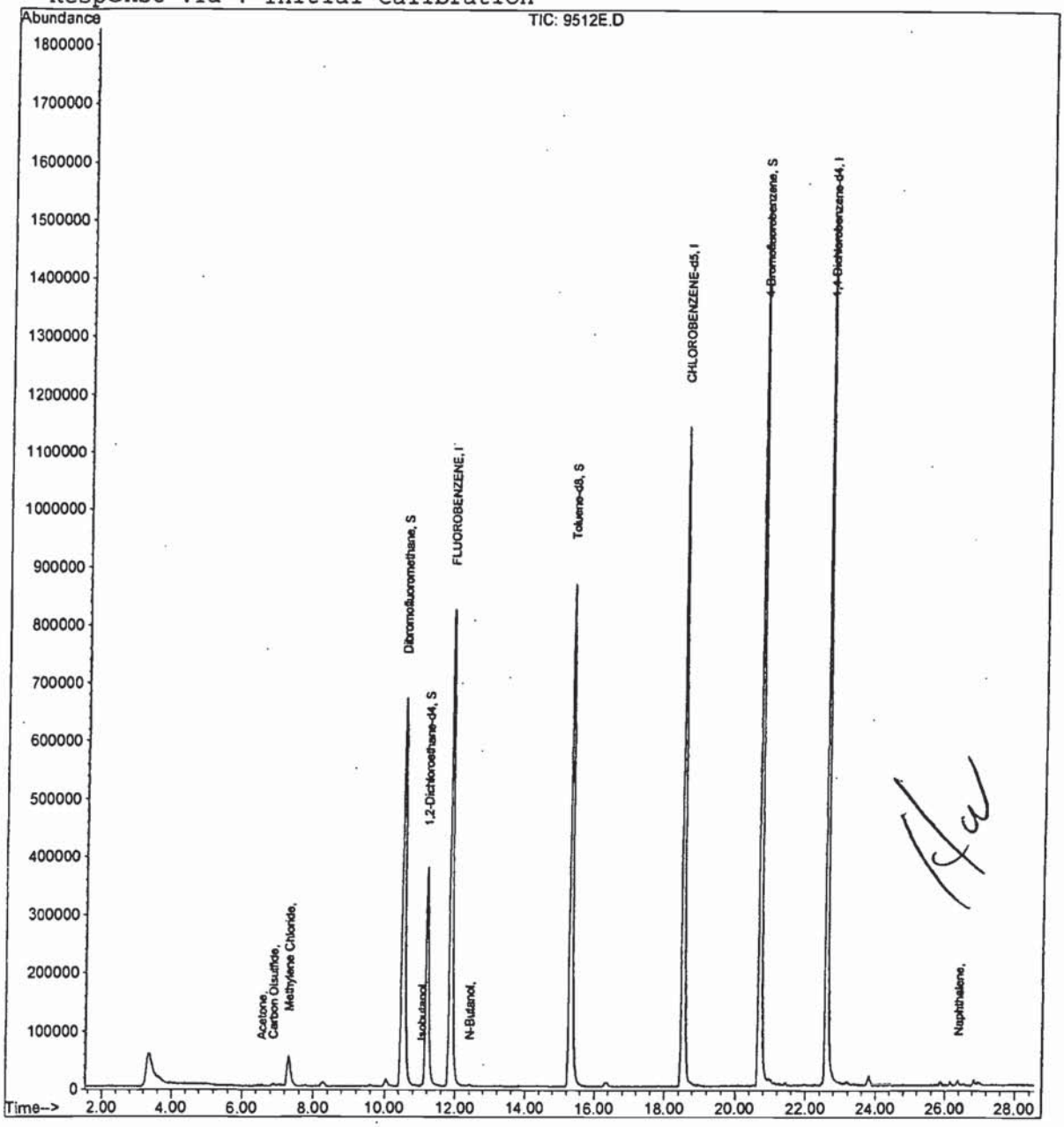
(#) = qualifier out of range (m) = manual integration

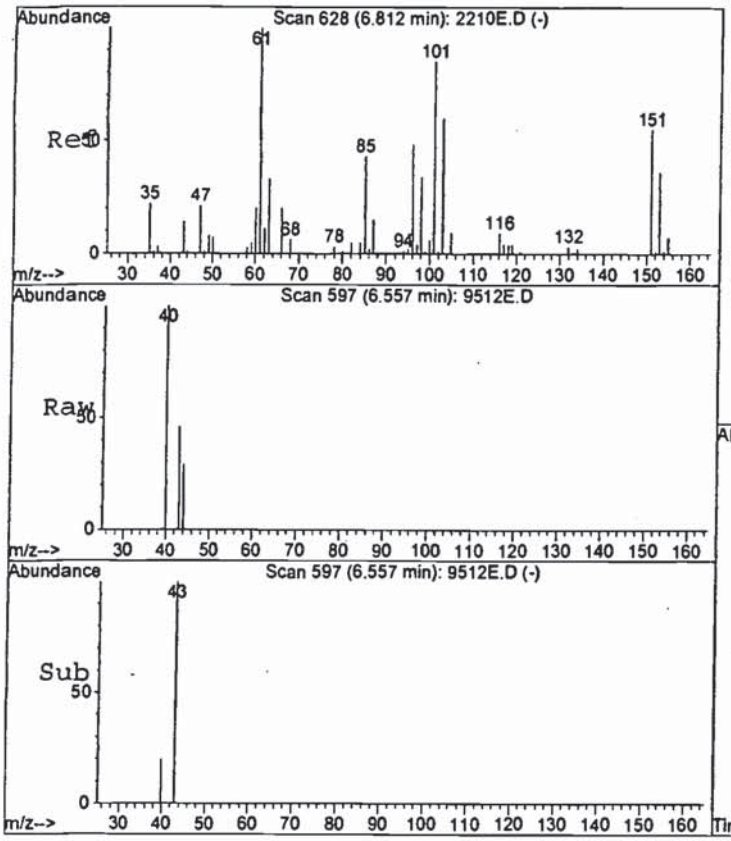
Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9512E.D
Acq On : 6 Oct 06 4:37
Sample : VBLK
Misc : 10/6/06
MS Integration Params: rteint.p
Quant Time: Oct 6 5:07 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

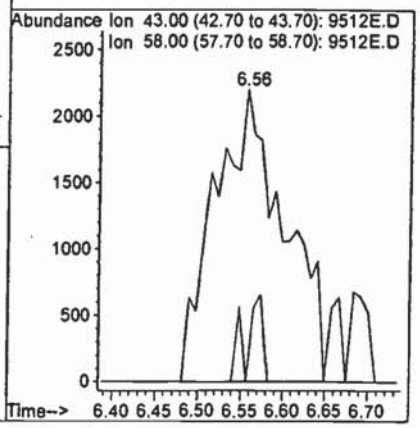


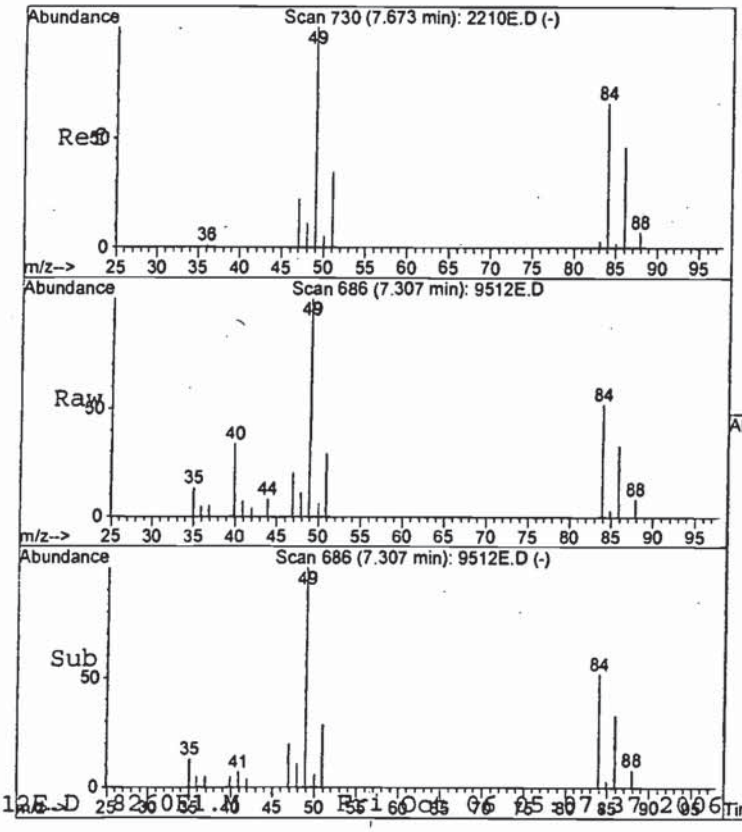


#11
Acetone
Concen: 2.55 UG/L
RT: 6.56 min Scan# 597
Delta R.T. 0.07 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

Tgt Ion: 43 Resp: 12507

Ion	Ratio	Lower	Upper
43	100		
58	7.2	24.4	36.6#

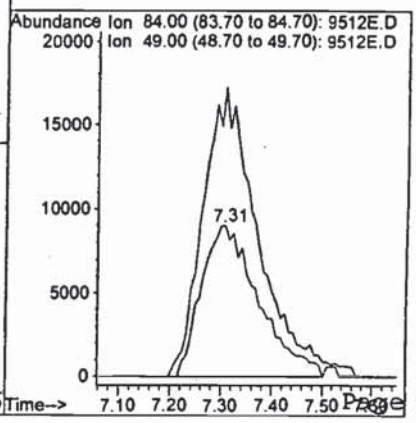


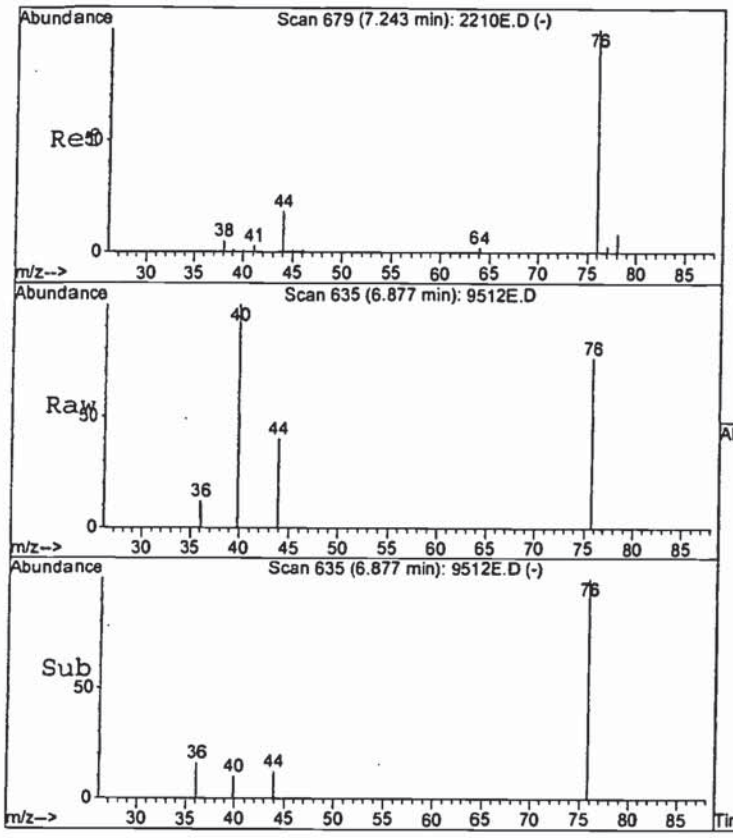


#13
Methylene Chloride
Concen: 3130.10 UG/L
RT: 7.31 min Scan# 686
Delta R.T. 0.07 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

Tgt Ion: 84 Resp: 70675

Ion	Ratio	Lower	Upper
84	100		
49	183.6	123.1	184.7

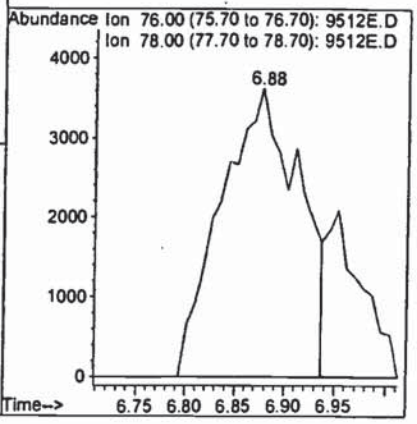


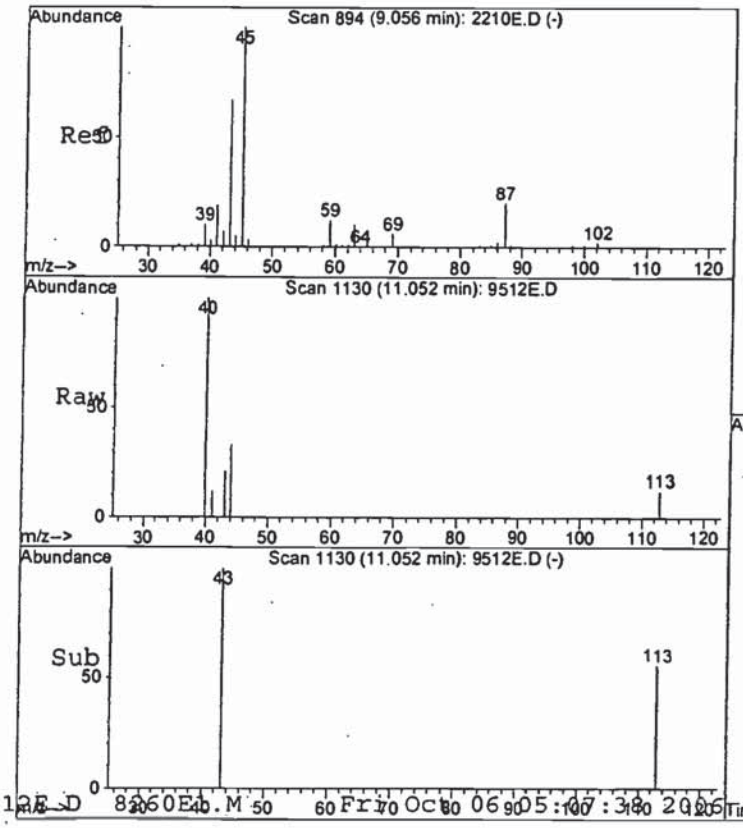


#15
Carbon Disulfide
Concen: 1364.22 UG/L
RT: 6.88 min Scan# 635
Delta R.T. 0.07 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

Tgt Ion: 76 Resp: 19967

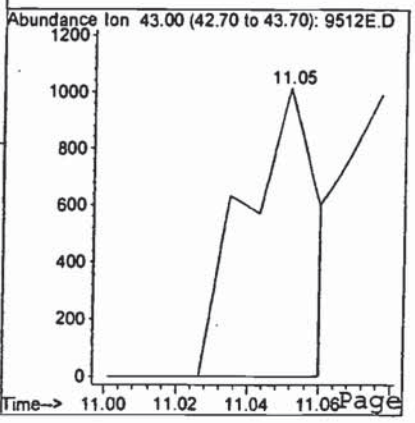
Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#

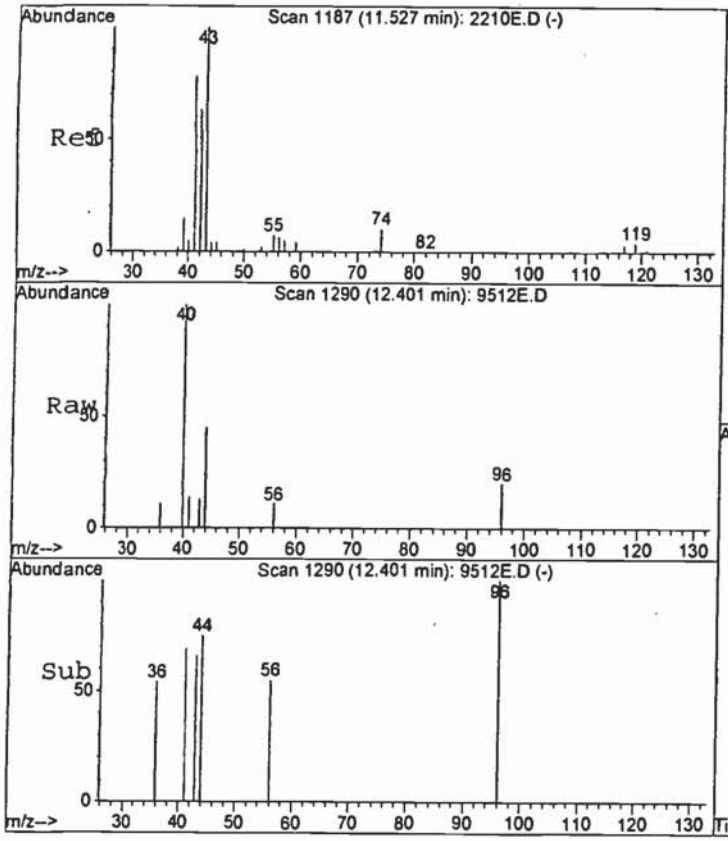




#34
Isobutanol
Concen: 2.45 UG/L
RT: 11.05 min Scan# 1130
Delta R.T. 0.03 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

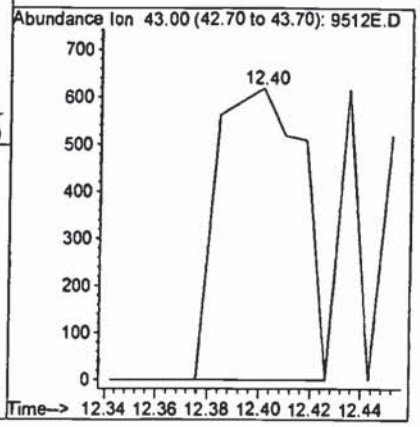
Tgt Ion: 43 Resp: 1423

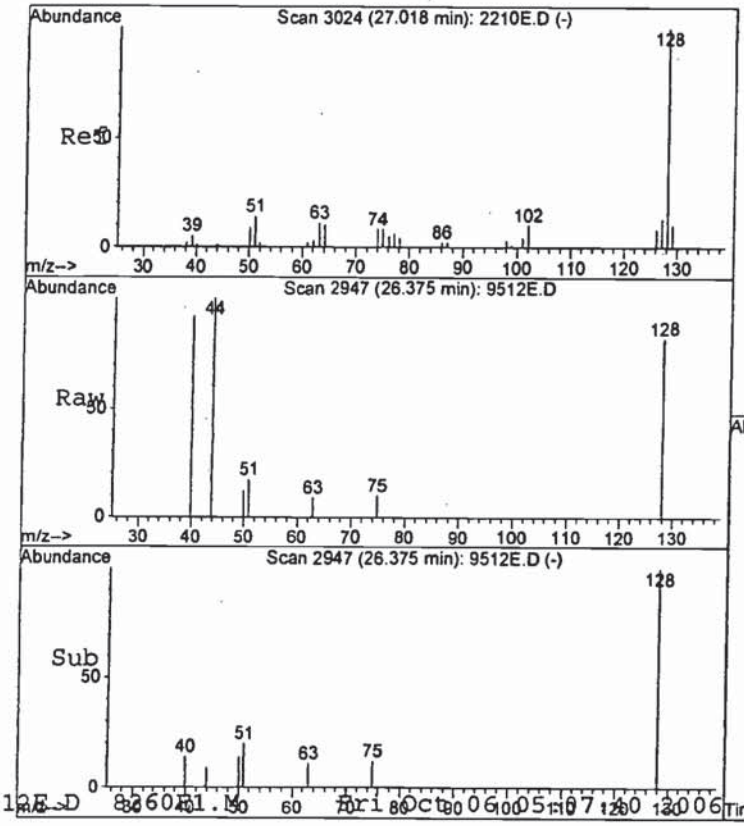




#36
N-Butanol
Concen: 4.90 UG/L
RT: 12.40 min Scan# 1290
Delta R.T. 0.03 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

Tgt Ion: 43 Resp: 1416

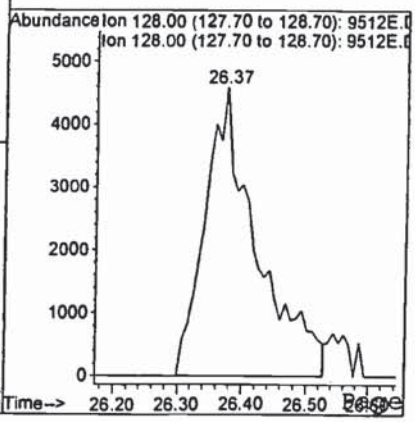




#82
Naphthalene
Concen: 1.27 UG/L
RT: 26.37 min Scan# 2947
Delta R.T. 0.05 min
Lab File: 9512E.D
Acq: 6 Oct 06 4:37

Tgt Ion:128 Resp: 25398

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



R510154 Heritage Environmental Services, LLC Q1890475

QC Report

QCType BLA01 Duplicate SampleID DataFile 9592E.D
Date Entered 12Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 11Oct06 04:21:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

10/12/06

R510154 Heritage Environmental Services, LLC Q1890475

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					100	
726	TOLUENE-D8					102	
3362	DIBROMOFLUOROMETHANE					105	
196	4-BROMOFLUOROBENZENE					114	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101106\9592E.D
Acq On : 11 Oct 06 4:21
Sample : VBLK
Misc : 10/11/06
MS Integration Params: rteint.p
Quant Time: Oct 11 4:51 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

D1890475

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.89	96	1769224	50.00 UG/L	0.07
51) CHLOROBENZENE-d5	18.52	117	1448478	50.00 UG/L	0.06
63) 1,4-Dichlorobenzene-d4	22.60	152	903688	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.22	65	720226	50.17 UG/L	0.07
Spiked Amount 50.000	Range 40 - 60		Recovery = 100.34%#		
44) Toluene-d8	15.33	98	1612100	51.23 UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 102.46%#		
47) Dibromofluoromethane	10.54	113	1184342	52.40 UG/L	0.07
Spiked Amount 50.000			Recovery = 104.80%		
50) 4-Bromofluorobenzene	20.72	95	1476308	57.12 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 114.24%#		
Target Compounds					Qvalue
13) Methylene Chloride	7.32	84	57768	3130.78 UG/L	84
15) Carbon Disulfide	6.88	76	10659	1364.43 UG/L #	73
34) Isobutanol	11.08	43	4070	7.40 UG/L	100

(#) = qualifier out of range (m) = manual integration
9592E.D 8260E1.M Wed Oct 11 04:52:03 2006

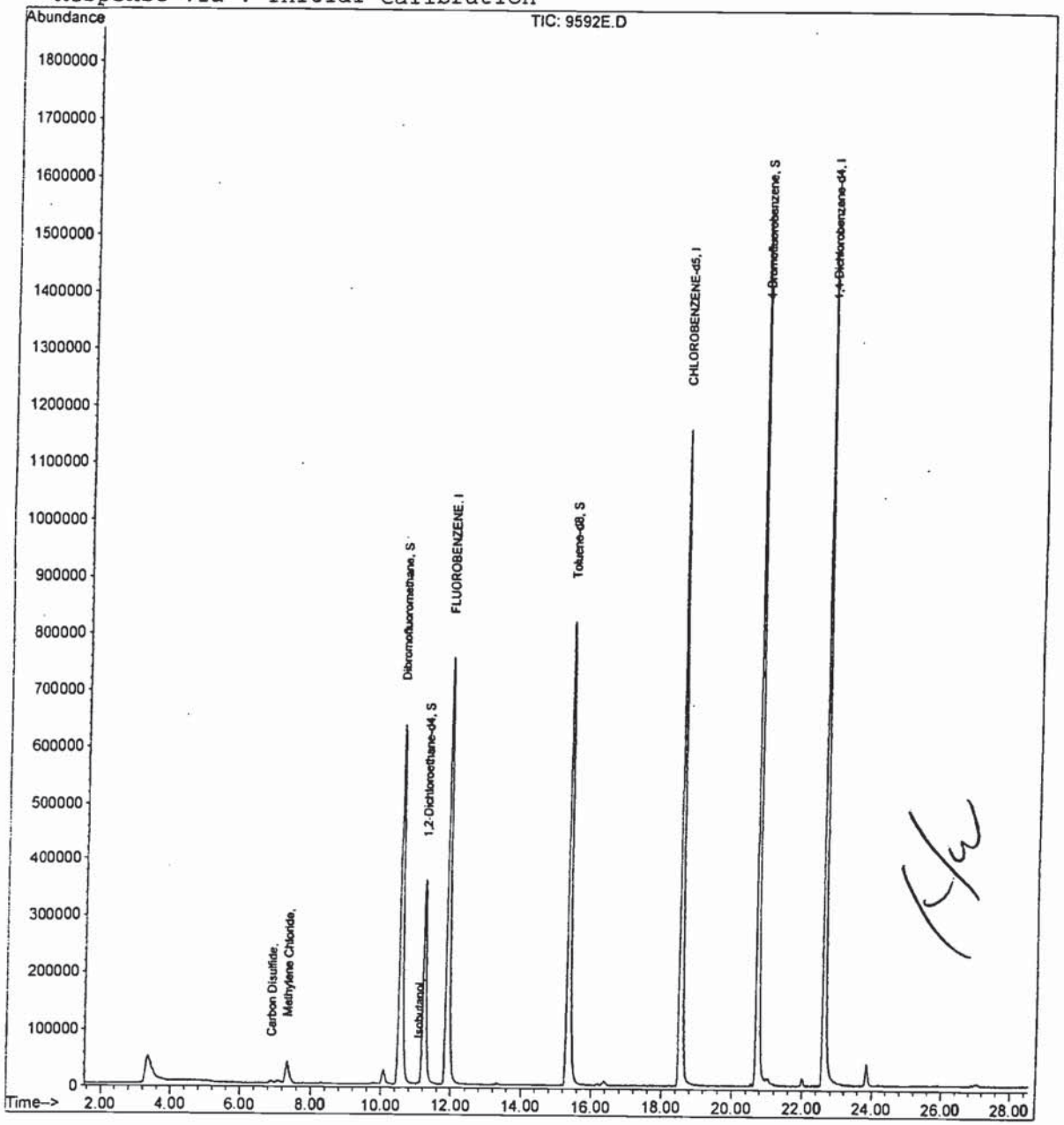
Quantitation Report

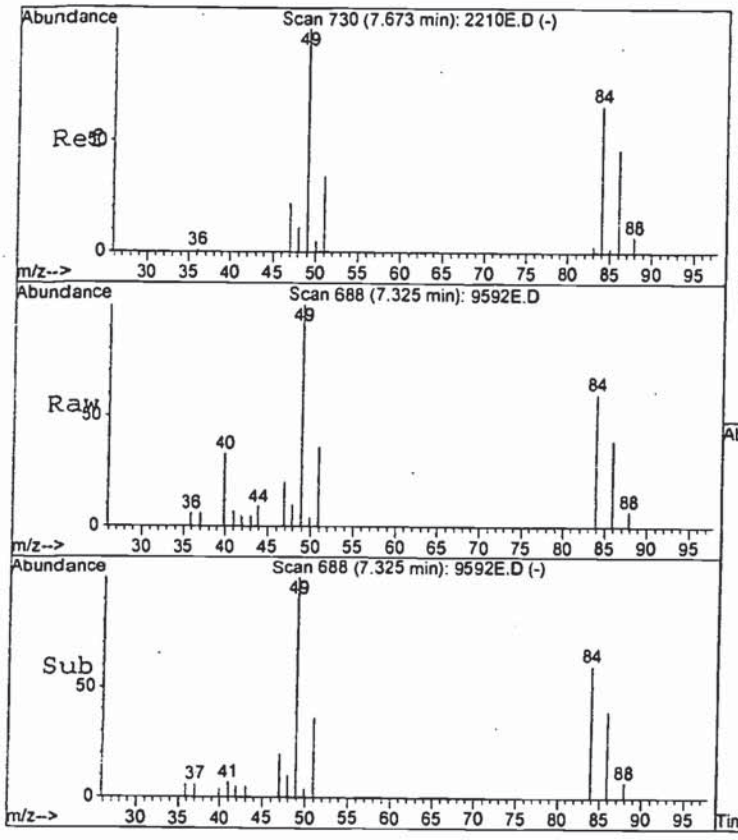
Data File : C:\HPCHEM\DATA\E101106\9592E.D
Acq On : 11 Oct 06 4:21
Sample : VBLK
Misc : 10/11/06
MS Integration Params: rteint.p
Quant Time: Oct 11 4:51 2006

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

Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

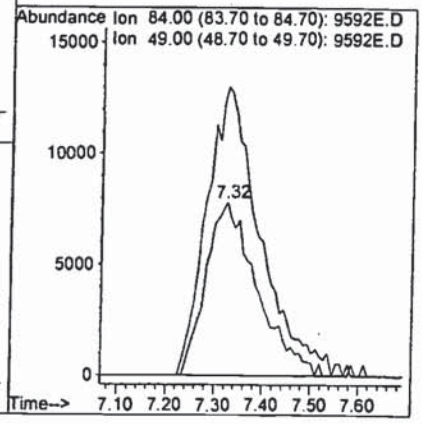


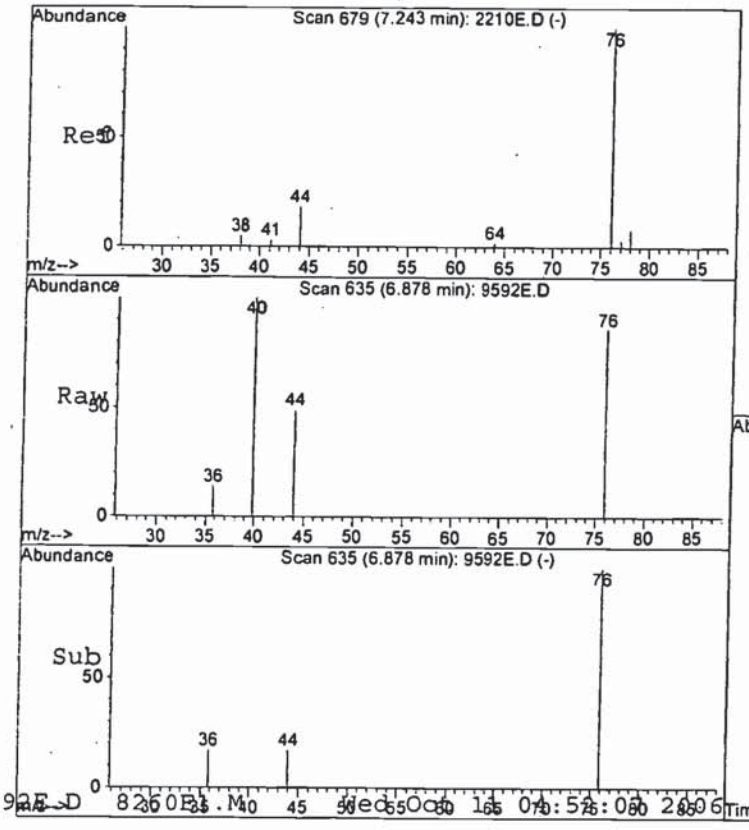


#13
Methylene Chloride
Concen: 3130.78 UG/L
RT: 7.32 min Scan# 688
Delta R.T. 0.09 min
Lab File: 9592E.D
Acq: 11 Oct 06 4:21

Tgt Ion: 84 Resp: 57768

Ion	Ratio	Lower	Upper
84	100		
49	173.9	123.1	184.7

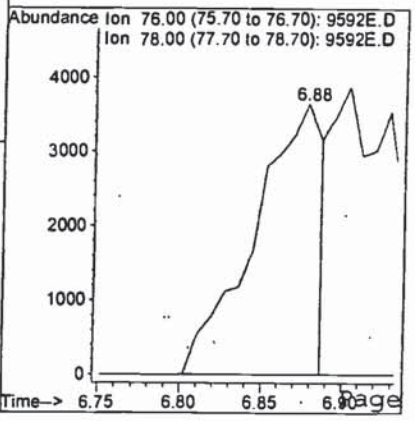


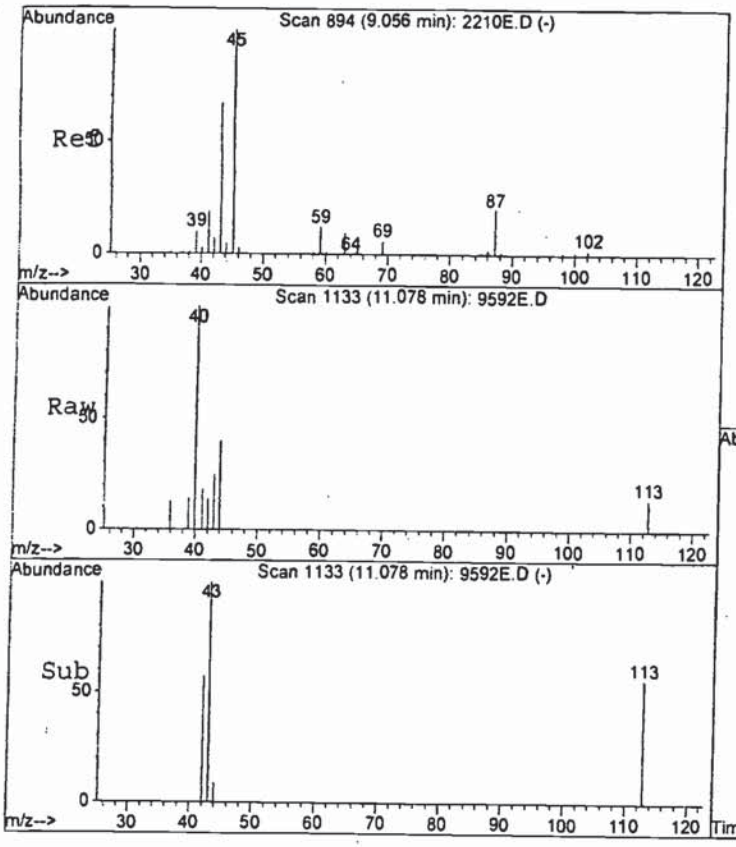


#15
Carbon Disulfide
Concen: 1364.43 UG/L
RT: 6.88 min Scan# 635
Delta R.T. 0.07 min
Lab File: 9592E.D
Acq: 11 Oct 06 4:21

Tgt Ion: 76 Resp: 10659

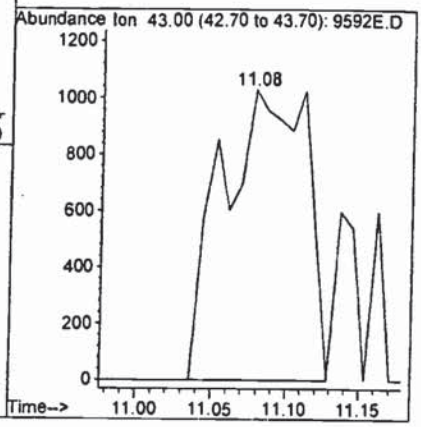
Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#





#34
Isobutanol
Concen: 7.40 UG/L
RT: 11.08 min Scan# 1133
Delta R.T. 0.06 min
Lab File: 9592E.D
Acq: 11 Oct 06 4:21

Tgt Ion: 43 Resp: 4070

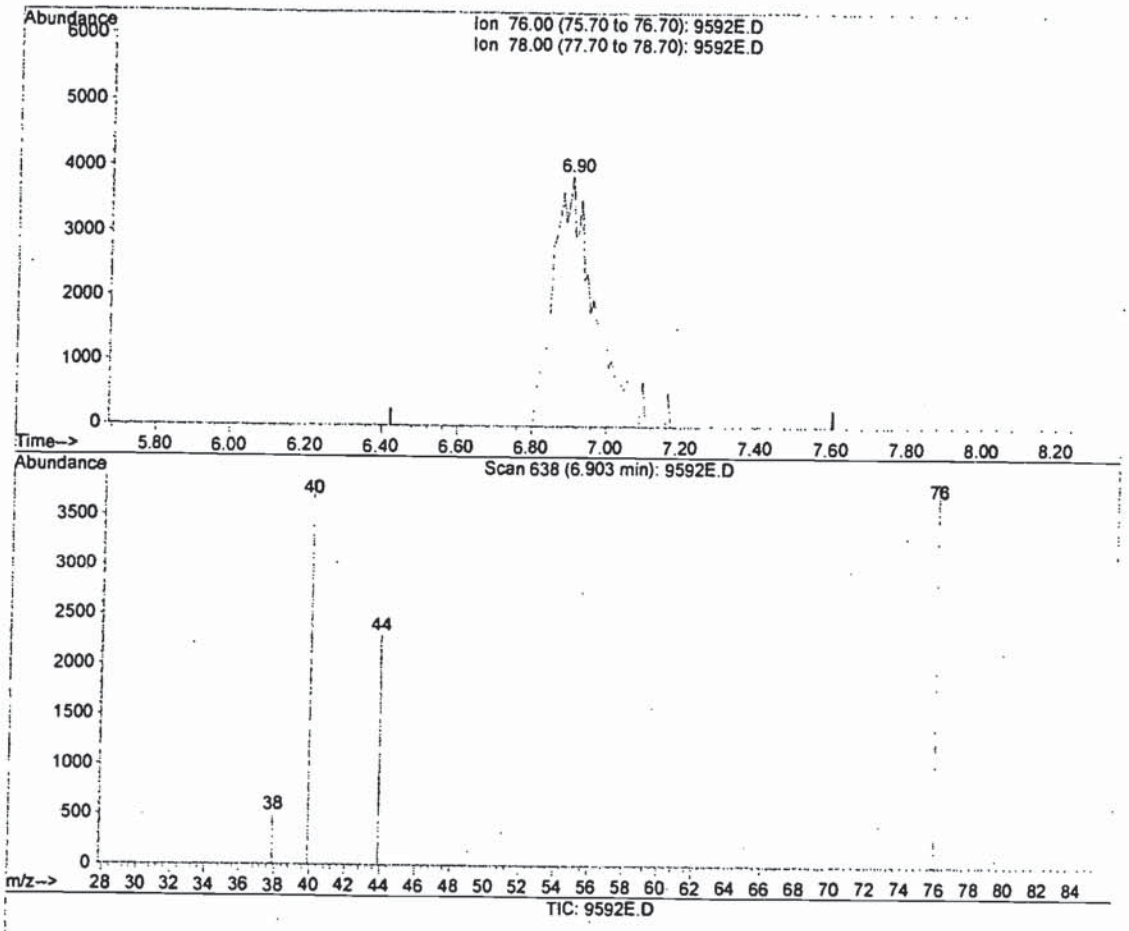


Quantitation Report

Data File : E:\DATA\E101106\9592E.D
Acq On : 11 Oct 06 4:21
Sample : VBLK
Misc : 10/11/06
Quant Time: Oct 12 7:10 19106

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(15) Carbon Disulfide

6.90min 1363.95UG/L m

response 29451

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9463E.D
Acq On : 3 Oct 06 7:43
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 8:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1788085	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1326175	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.58	152	796862	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.21	65	720420	49.66 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 99.32%#		
44) Toluene-d8	15.31	98	1593605	50.11 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.22%#		
47) Dibromofluoromethane	10.52	113	1154562	50.55 UG/L	0.06
Spiked Amount 50.000			Recovery = 101.10%		
50) 4-Bromofluorobenzene	20.69	95	1406380	53.84 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 107.68%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	316558	17.41 UG/L	100
3) Chloromethane	4.07	50	257095	17.34 UG/L	100
4) VINYL CHLORIDE	4.24	62	267237	19.36 UG/L	98
5) Bromomethane	4.85	94	233857	22.26 UG/L	99
6) Chloroethane	5.04	64	165519	23.10 UG/L	92
7) Trichlorofluoromethane	5.51	101	482487	24.13 UG/L	98
8) Acrolein	7.77	56	44798	116.67 UG/L	100
9) Diethyl Ether	6.03	59	202221	23.60 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	535155	23.97 UG/L #	100
11) Acetone	6.53	43	98384	20.98 UG/L	90
12) 1,1-DICHLOROETHENE	6.44	96	277637	24.06 UG/L	100
13) Methylene Chloride	7.30	84	380849	22.25 UG/L	84
14) Acrylonitrile	7.73	53	334655	101.09 UG/L	100
15) Carbon Disulfide	6.86	76	931329	22.02 UG/L	96
16) Vinyl Acetate	7.78	43	261243	23.77 UG/L	100
17) trans-1,2-Dichloroethene	7.80	96	308262	23.96 UG/L #	70
18) 1,1-Dichloroethane	8.56	63	652300	22.12 UG/L	100
19) Methyl-t-butyl Ether	7.77	73	621003	24.26 UG/L	100
20) Diispropyl Ether	8.64	45	1494181	21.05 UG/L	100
21) 2-Butanone	9.72	43	666511	21.98 UG/L #	59
22) Ethyl Acetate	9.72	88	12057m	24.71 UG/L	100
23) cis-1,2-Dichloroethene	9.63	96	338035	24.10 UG/L #	48

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9463E.D
Acq On : 3 Oct 06 7:43
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 8:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.21	83	645425	23.10 UG/L	98
25) Bromochloromethane	10.08	128	234908	24.47 UG/L	89
26) 2,2-Dichloropropane	9.63	77	437323	23.22 UG/L #	100
27) Tetrahydrofuran	10.19	42	296040	105.20 UG/L	100
28) 1,1,1-Trichloroethane	10.60	97	484383	23.53 UG/L #	100
29) Iodomethane	6.74	142	675909	21.45 UG/L	100
30) 1,1-Dichloropropene	10.91	75	487231	23.40 UG/L #	100
32) Carbon Tetrachloride	10.93	117	440946	23.40 UG/L	93
33) 1,2-Dichloroethane	11.36	62	447549	23.17 UG/L #	100
34) Isobutanol	11.08	43	2282501	4104.27 UG/L	100
35) Benzene	11.33	78	759906	23.39 UG/L	100
36) N-Butanol	12.42	43	791316	2865.81 UG/L	100
37) Trichloroethene	12.62	130	371229	24.91 UG/L	99
38) 1,2-DICHLOROPROPANE	13.11	63	427468	21.66 UG/L	100
39) Bromodichloromethane	13.69	83	689498	23.17 UG/L	99
40) Dibromomethane	13.37	93	386695	23.77 UG/L	98
41) 2-Chloroethylvinylether	14.34	63	205519	20.82 UG/L #	100
42) 4-Methyl-2-Pentanone	15.04	43	528318	21.46 UG/L	91
43) cis-1,3-Dichloropropene	14.68	75	540864	22.53 UG/L	100
45) TOLUENE	15.47	91	815412	23.16 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	432454	23.06 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	330953	24.30 UG/L	100
49) 1,2-Dibromoethane	17.57	107	508164	24.57 UG/L #	100
52) 2-Hexanone	16.97	43	378366	20.90 UG/L #	89
53) 1,3-Dichloropropane	16.81	76	516420	21.97 UG/L	100
54) Tetrachloroethene	16.75	166	460626	24.51 UG/L	96
55) Dibromochloromethane	17.30	129	546218	22.74 UG/L	100
56) Chlorobenzene	18.57	112	603793	22.60 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.72	131	359984	23.86 UG/L	100
58) ETHYL BENZENE	18.78	106	264131	23.27 UG/L	95
59) m,p-Xylene	19.00	106	618830	47.50 UG/L	78
60) o-Xylene	19.75	106	314739	23.85 UG/L	84
61) Styrene	19.77	104	510614	23.55 UG/L #	40
62) Bromoform	20.12	173	518348	24.65 UG/L	100
64) Isopropylbenzene	20.41	105	778205	21.04 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	603692	22.15 UG/L #	100
66) Bromobenzene	20.96	77	968561	21.97 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9463E.D
Acq On : 3 Oct 06 7:43
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 8:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	123487	22.91 UG/L	100
68) n-Propylbenzene	21.12	92	123867	21.34 UG/L	78
69) 1,3,5-Trimethylbenzene	21.41	105	612964	22.70 UG/L	100
70) 2-Chlorotoluene	21.28	126	233093	21.44 UG/L	100
71) 4-Chlorotoluene	21.46	126	230457	22.76 UG/L	100
72) t-Butylbenzene	21.95	119	692192	22.72 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	588469	22.55 UG/L	100
74) sec-Butylbenzene	22.29	105	949772	21.84 UG/L	100
75) p-Isopropyltoluene	22.51	119	615447	23.52 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	504217	24.19 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	494003	22.73 UG/L	100
78) n-Butylbenzene	23.13	92	381112	21.80 UG/L	93
79) 1,2-Dichlorobenzene	23.19	146	497870	23.23 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	150732	22.40 UG/L	100
81) 1,2,4-Trichlorobenzene	25.86	180	299733	25.45 UG/L	100
82) Naphthalene	26.36	128	448641	24.84 UG/L	100
83) Hexachlorobutadiene	26.16	225	316304	23.81 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	277256	25.53 UG/L	100

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

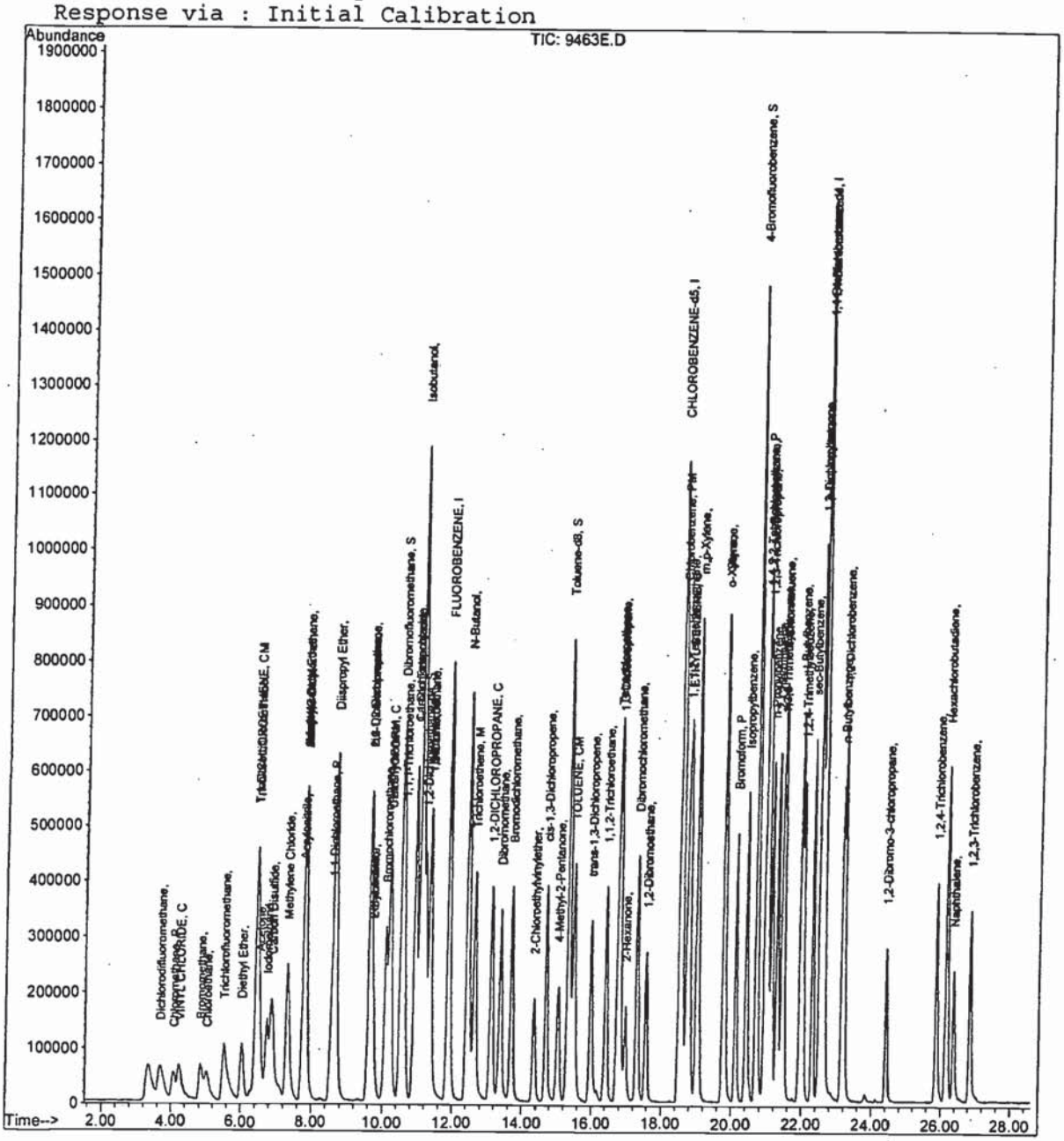
Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9463E.D
Acq On : 3 Oct 06 7:43
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 3 8:29 2006

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

Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9484E.D Vial: 1
Acq On : 4 Oct 06 7:58 Operator: HAROLD
Sample : LCS # 333-2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 8:37 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1812796	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.52	117	1300320	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.58	152	762971	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	724267	49.24 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.48%#		
44) Toluene-d8	15.33	98	1567296	48.61 UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 97.22%#		
47) Dibromofluoromethane	10.52	113	1150151	49.67 UG/L	0.06
Spiked Amount 50.000			Recovery = 99.34%		
50) 4-Bromofluorobenzene	20.69	95	1354446	51.15 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 102.30%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	313316	17.00 UG/L	100
3) Chloromethane	4.06	50	272866	18.15 UG/L	100
4) VINYL CHLORIDE	4.22	62	271226	19.38 UG/L	98
5) Bromomethane	4.83	94	242156	22.83 UG/L	100
6) Chloroethane	5.03	64	163715	22.54 UG/L #	56
7) Trichlorofluoromethane	5.52	101	480743	23.72 UG/L	96
8) Acrolein	7.79	56	43781	112.46 UG/L	100
9) Diethyl Ether	6.01	59	197411	22.73 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	562244	24.84 UG/L #	100
11) Acetone	6.55	43	93012	19.56 UG/L	89
12) 1,1-DICHLOROETHENE	6.43	96	280187	23.95 UG/L	100
13) Methylene Chloride	7.29	84	395229	22.93 UG/L	86
14) Acrylonitrile	7.78	53	9318	2.78 UG/L	100
15) Carbon Disulfide	6.85	76	939335	21.89 UG/L	99
16) Vinyl Acetate	7.77	43	259491	23.29 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	314459	24.11 UG/L #	70
18) 1,1-Dichloroethane	8.56	63	663538	22.19 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	606677	23.37 UG/L	100
20) Diispropyl Ether	8.64	45	1510187	20.99 UG/L	100
21) 2-Butanone	9.72	43	617803	20.09 UG/L #	59
22) Ethyl Acetate	9.73	88	10726m	21.83 UG/L	100
23) cis-1,2-Dichloroethene	9.63	96	348404	24.50 UG/L #	46

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

Data File : C:\HPCHEM\DATA\E100406\9484E.D
Acq On : 4 Oct 06 7:58
Sample : LCS # 333-2
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 8:37 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24)	CHLOROFORM	10.21	83	665517	23.49 UG/L		98
25)	Bromochloromethane	10.08	128	230836	23.72 UG/L		81
26)	2,2-Dichloropropane	9.62	77	438134	22.94 UG/L	#	100
27)	Tetrahydrofuran	10.19	42	282644	99.07 UG/L		100
28)	1,1,1-Trichloroethane	10.59	97	493902	23.66 UG/L	#	100
29)	Iodomethane	6.73	142	689518	21.58 UG/L		100
30)	1,1-Dichloropropene	10.92	75	506967	24.01 UG/L	#	100
32)	Carbon Tetrachloride	10.93	117	462757	24.22 UG/L		95
33)	1,2-Dichloroethane	11.36	62	457331	23.36 UG/L	#	100
34)	Isobutanol	11.08	43	2021169	3584.82 UG/L		100
35)	Benzene	11.34	78	777943	23.62 UG/L		100
36)	N-Butanol	12.42	43	721812	2578.46 UG/L		100
37)	Trichloroethene	12.64	130	386299	25.57 UG/L		100
38)	1,2-DICHLOROPROPANE	13.13	63	441227	22.05 UG/L		100
39)	Bromodichloromethane	13.69	83	704401	23.34 UG/L		98
40)	Dibromomethane	13.37	93	392455	23.79 UG/L		98
41)	2-Chloroethylvinylether	14.33	63	208257	20.81 UG/L	#	100
42)	4-Methyl-2-Pentanone	15.04	43	502583	20.14 UG/L		91
43)	cis-1,3-Dichloropropene	14.69	75	554884	22.80 UG/L		100
45)	TOLUENE	15.47	91	848978	23.79 UG/L		100
46)	trans-1,3-Dichloropropene	15.97	75	430873	22.67 UG/L		100
48)	1,1,2-Trichloroethane	16.43	97	331046	23.98 UG/L		100
49)	1,2-Dibromoethane	17.56	107	502186	23.95 UG/L	#	100
52)	2-Hexanone	16.98	43	349811	19.71 UG/L	#	89
53)	1,3-Dichloropropane	16.81	76	525520	22.80 UG/L		100
54)	Tetrachloroethene	16.77	166	469559	25.48 UG/L		97
55)	Dibromochloromethane	17.31	129	549278	23.32 UG/L		100
56)	Chlorobenzene	18.58	112	622029	23.74 UG/L		94
57)	1,1,1,2-Tetrachloroethane	18.74	131	372039	25.15 UG/L		100
58)	ETHYL BENZENE	18.79	106	271786	24.42 UG/L		92
59)	m,p-Xylene	19.01	106	624340	48.88 UG/L	#	72
60)	o-Xylene	19.76	106	324650	25.09 UG/L		80
61)	Styrene	19.78	104	525004	24.69 UG/L	#	39
62)	Bromoform	20.13	173	510777	24.78 UG/L		100
64)	Isopropylbenzene	20.42	105	825282	23.30 UG/L		100
65)	1,1,2,2-Tetrachloroethane	20.93	83	598951	22.96 UG/L	#	100
66)	Bromobenzene	20.96	77	989904	23.45 UG/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9484E.D
Acq On : 4 Oct 06 7:58
Sample : LCS # 333-2
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 8:37 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	120411	23.33 UG/L	100
68) n-Propylbenzene	21.12	92	129450	23.29 UG/L	83
69) 1,3,5-Trimethylbenzene	21.41	105	643951	24.91 UG/L	100
70) 2-Chlorotoluene	21.28	126	249180	23.94 UG/L	100
71) 4-Chlorotoluene	21.46	126	241480	24.91 UG/L	100
72) t-Butylbenzene	21.94	119	728169	24.96 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	611081	24.46 UG/L	100
74) sec-Butylbenzene	22.29	105	1011269	24.29 UG/L	100
75) p-Isopropyltoluene	22.52	119	653146	26.07 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	513618	25.74 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	515960	24.80 UG/L	100
78) n-Butylbenzene	23.13	92	406211	24.27 UG/L	91
79) 1,2-Dichlorobenzene	23.20	146	519327	25.31 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	148533	23.05 UG/L	100
81) 1,2,4-Trichlorobenzene	25.86	180	323147	28.66 UG/L	100
82) Naphthalene	26.37	128	487060	28.17 UG/L	100
83) Hexachlorobutadiene	26.16	225	334620	26.30 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	306139	29.44 UG/L	100

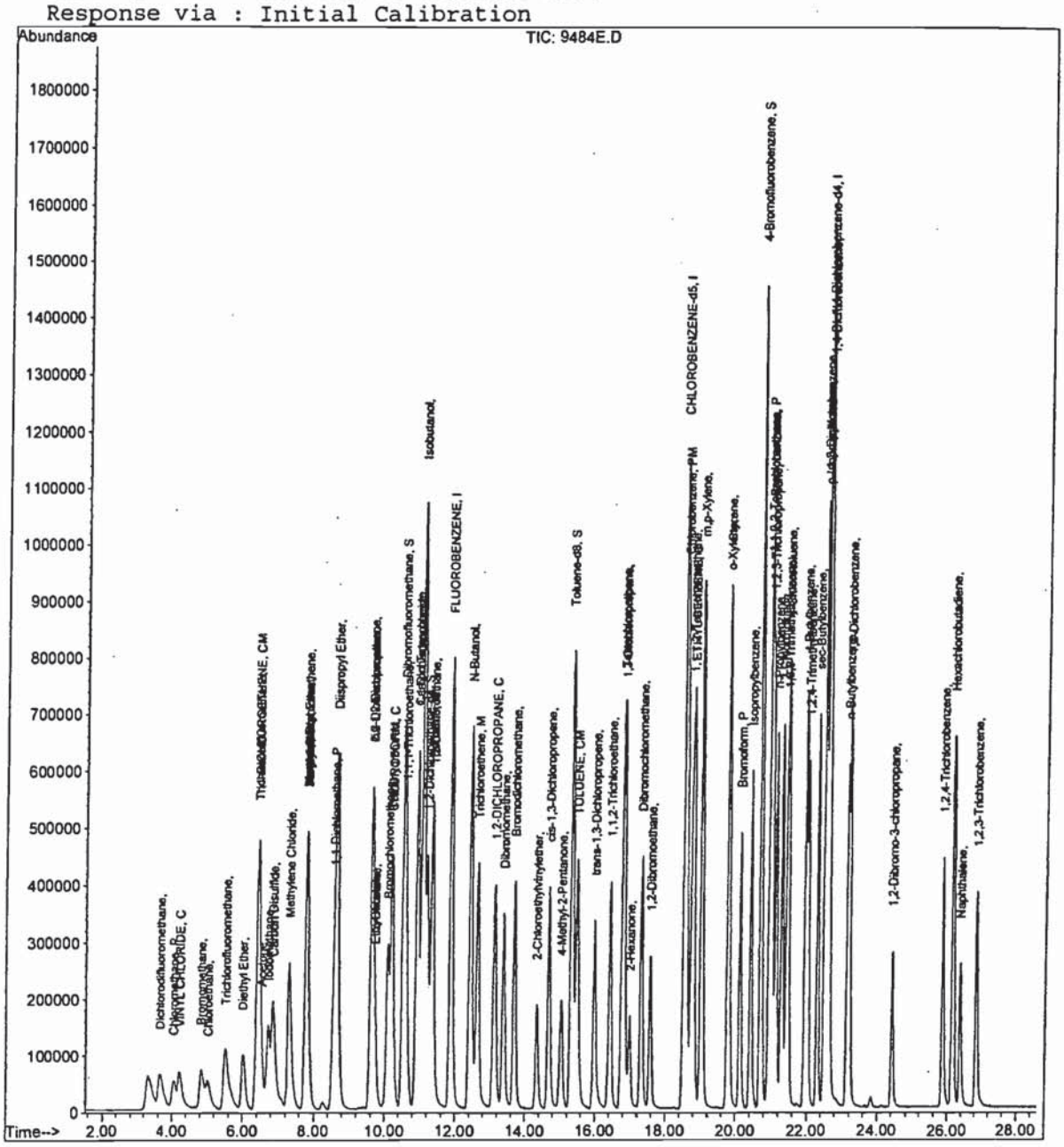
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9484E.D
Acq On : 4 Oct 06 7:58
Sample : LCS # 333-2
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 8:37 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9483E.D Vial: 1
Acq On : 4 Oct 06 7:19 Operator: HAROLD
Sample : DI MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 8:09 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1807066	50.00	UG/L	0.05
51) CHLOROBENZENE-d5	18.52	117	1308448	50.00	UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	753155	50.00	UG/L	0.04
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.20	65	720375	49.13	UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.26%#			
44) Toluene-d8	15.33	98	1573169	48.95	UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 97.90%#			
47) Dibromofluoromethane	10.51	113	1149098	49.78	UG/L	0.05
Spiked Amount 50.000			Recovery = 99.56%			
50) 4-Bromofluorobenzene	20.69	95	1326149	50.24	UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 100.48%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.69	85	318016m	17.31	UG/L	100
3) Chloromethane	4.07	50	286977m	19.15	UG/L	100
4) VINYL CHLORIDE	4.25	62	274866	19.70	UG/L	99
5) Bromomethane	4.84	94	241888	22.88	UG/L	98
6) Chloroethane	5.02	64	167423	23.12	UG/L #	58
7) Trichlorofluoromethane	5.50	101	492274	24.36	UG/L	97
8) Acrolein	7.77	56	47246	121.75	UG/L	100
9) Diethyl Ether	6.02	59	198217	22.89	UG/L	100
10) Trichlorotrifluoroethane	6.42	101	558555	24.75	UG/L #	100
11) Acetone	6.53	43	101863	21.49	UG/L #	88
12) 1,1-DICHLOROETHENE	6.45	96	279717	23.99	UG/L	100
13) Methylene Chloride	7.29	84	396068	23.09	UG/L	83
14) Acrylonitrile	7.74	53	291574	87.15	UG/L	100
15) Carbon Disulfide	6.86	76	949765	22.24	UG/L	98
16) Vinyl Acetate	7.77	43	263524	23.73	UG/L	100
17) trans-1,2-Dichloroethene	7.80	96	315551	24.27	UG/L #	73
18) 1,1-Dichloroethane	8.56	63	656315	22.02	UG/L	100
19) Methyl-t-butyl Ether	7.77	73	617733	23.88	UG/L	100
20) Diispropyl Ether	8.64	45	1529080	21.32	UG/L	100
21) 2-Butanone	9.71	43	669671	21.85	UG/L #	59
22) Ethyl Acetate	9.72	88	12222m	24.78	UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	345228	24.35	UG/L #	45

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 8:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
24)	CHLOROFORM	10.20	83	656309	23.24	UG/L		97
25)	Bromochloromethane	10.07	128	228839	23.59	UG/L		81
26)	2,2-Dichloropropane	9.62	77	436463	22.93	UG/L	#	100
27)	Tetrahydrofuran	10.18	42	302688	106.43	UG/L		100
28)	1,1,1-Trichloroethane	10.59	97	478678	23.01	UG/L	#	100
29)	Iodomethane	6.73	142	677018	21.26	UG/L		100
30)	1,1-Dichloropropene	10.91	75	491864	23.37	UG/L	#	100
32)	Carbon Tetrachloride	10.93	117	445407	23.39	UG/L		93
33)	1,2-Dichloroethane	11.35	62	452427	23.18	UG/L	#	100
34)	Isobutanol	11.07	43	2247933	3999.66	UG/L		100
35)	Benzene	11.32	78	772798	23.54	UG/L		100
36)	N-Butanol	12.42	43	784240	2810.35	UG/L		100
37)	Trichloroethene	12.62	130	377005	25.03	UG/L		99
38)	1,2-DICHLOROPROPANE	13.11	63	438009	21.96	UG/L		100
39)	Bromodichloromethane	13.69	83	707064	23.51	UG/L		100
40)	Dibromomethane	13.37	93	401462	24.41	UG/L		99
41)	2-Chloroethylvinylether	14.34	63	207145	20.77	UG/L	#	100
42)	4-Methyl-2-Pentanone	15.03	43	528304	21.24	UG/L		91
43)	cis-1,3-Dichloropropene	14.69	75	546772	22.54	UG/L		100
45)	TOLUENE	15.48	91	839054	23.58	UG/L		100
46)	trans-1,3-Dichloropropene	15.98	75	433201	22.86	UG/L		100
48)	1,1,2-Trichloroethane	16.42	97	340060	24.71	UG/L		100
49)	1,2-Dibromoethane	17.56	107	505186	24.17	UG/L	#	100
52)	2-Hexanone	16.97	43	368292	20.62	UG/L	#	91
53)	1,3-Dichloropropane	16.81	76	530446	22.88	UG/L		100
54)	Tetrachloroethene	16.75	166	460153	24.82	UG/L		97
55)	Dibromochloromethane	17.30	129	550104	23.21	UG/L		100
56)	Chlorobenzene	18.57	112	614926	23.32	UG/L		95
57)	1,1,1,2-Tetrachloroethane	18.73	131	365965	24.59	UG/L		100
58)	ETHYL BENZENE	18.78	106	267263	23.86	UG/L		91
59)	m,p-Xylene	19.01	106	621841	48.38	UG/L		75
60)	o-Xylene	19.76	106	323116	24.82	UG/L		83
61)	Styrene	19.78	104	521616	24.38	UG/L	#	41
62)	Bromoform	20.12	173	509576	24.56	UG/L		100
64)	Isopropylbenzene	20.41	105	796723	22.79	UG/L		100
65)	1,1,2,2-Tetrachloroethane	20.93	83	609651	23.67	UG/L	#	100
66)	Bromobenzene	20.96	77	976488	23.43	UG/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 8:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

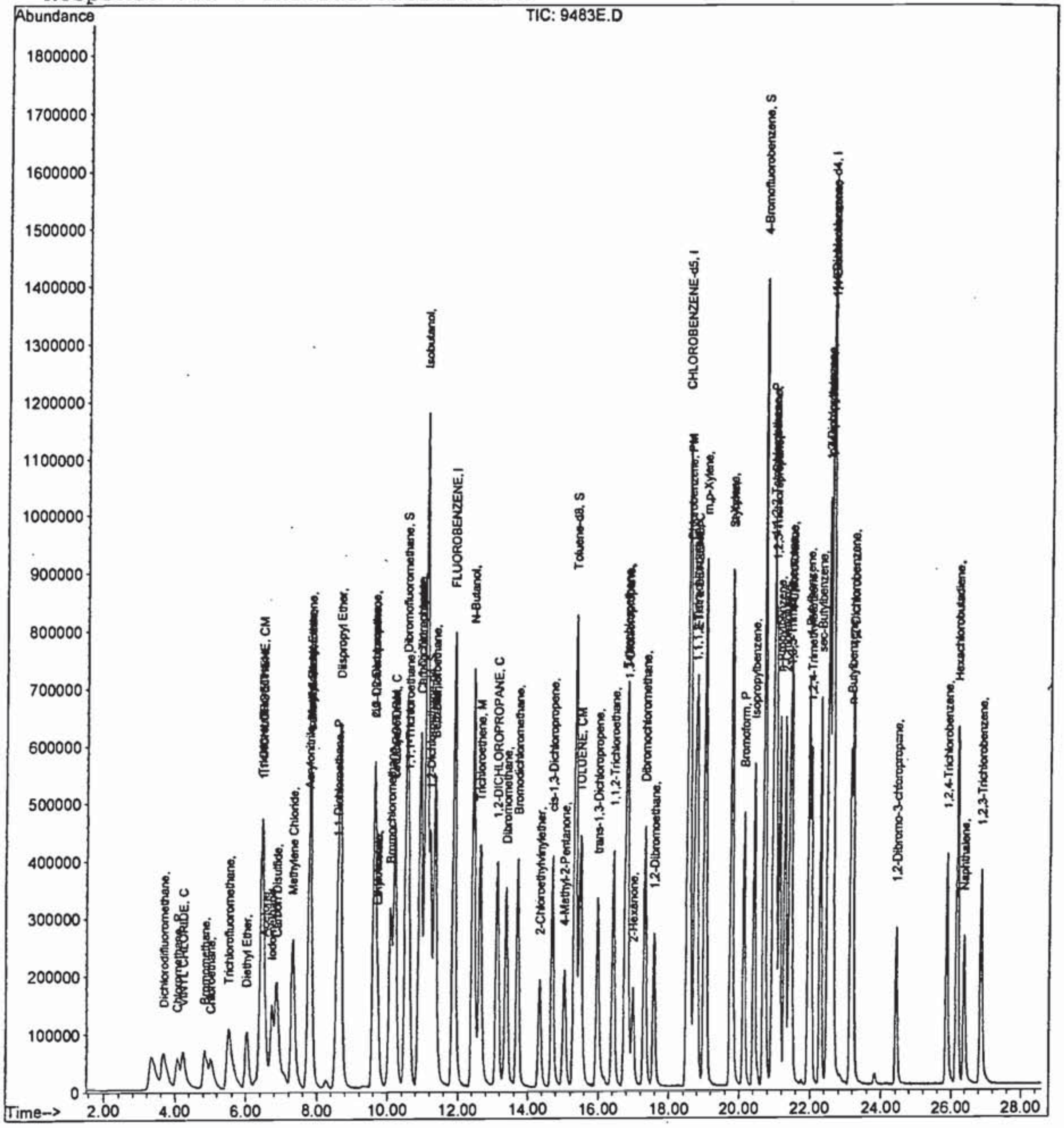
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	121309	23.81 UG/L	100
68) n-Propylbenzene	21.13	92	127453	23.23 UG/L	78
69) 1,3,5-Trimethylbenzene	21.42	105	616366	24.15 UG/L	100
70) 2-Chlorotoluene	21.29	126	241163	23.47 UG/L	100
71) 4-Chlorotoluene	21.47	126	231428	24.18 UG/L	100
72) t-Butylbenzene	21.95	119	708850	24.61 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	604123	24.50 UG/L	100
74) sec-Butylbenzene	22.29	105	972905	23.67 UG/L	100
75) p-Isopropyltoluene	22.51	119	632020	25.55 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	492765	25.02 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	502900	24.49 UG/L	100
78) n-Butylbenzene	23.14	92	396664	24.01 UG/L	92
79) 1,2-Dichlorobenzene	23.20	146	500545	24.71 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.44	157	148614	23.37 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	310882	27.93 UG/L	100
82) Naphthalene	26.37	128	485665	28.45 UG/L	100
83) Hexachlorobutadiene	26.16	225	315496	25.12 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	301379	29.36 UG/L	100

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

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9483E.D Vial: 1
Acq On : 4 Oct 06 7:19 Operator: HAROLD
Sample : DI MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 8:09 2006 Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 V0LATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

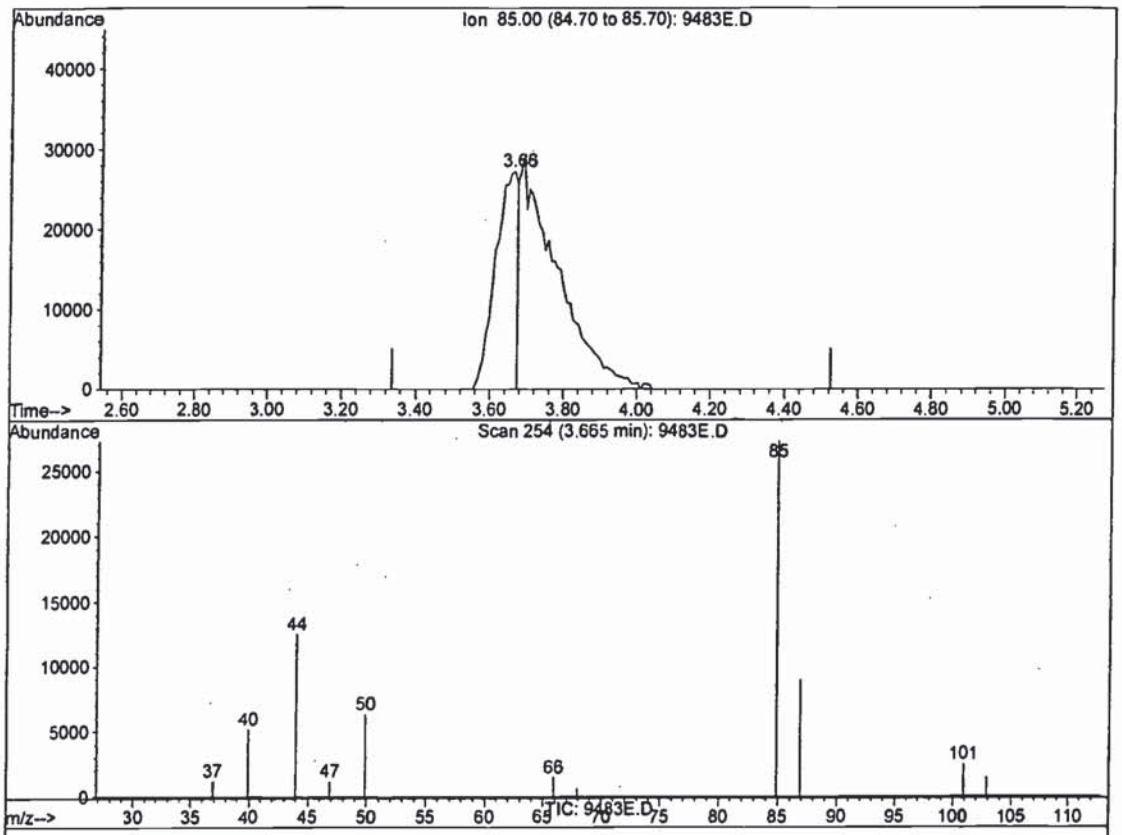


Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
Quant Time: Oct 4 7:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.66min 6.18UG/L

response 113521

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

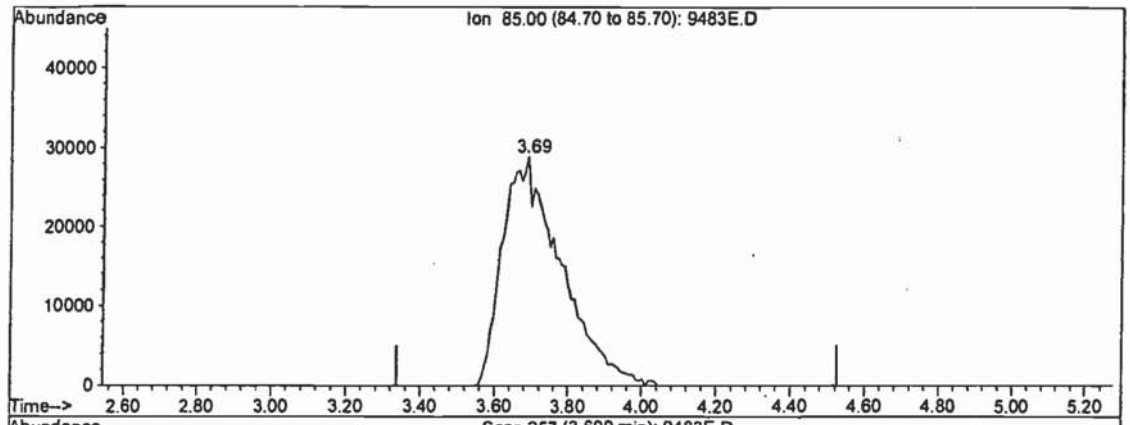
9483E.D 8260E1.M Wed Oct 04 08:09:05 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
Quant Time: Oct 4 8:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.69min 17.31UG/L m

response 318016

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

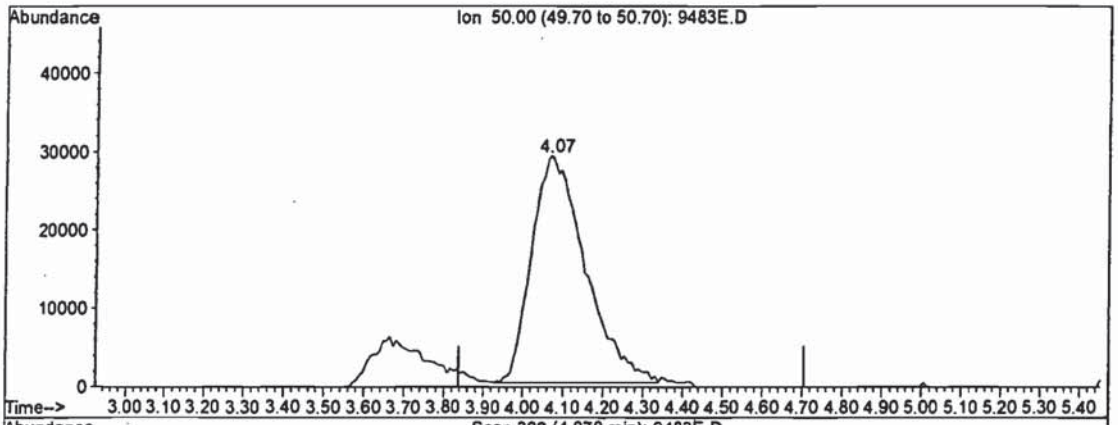
9483E.D 8260E1.M Wed Oct 04 08:09:10 2006

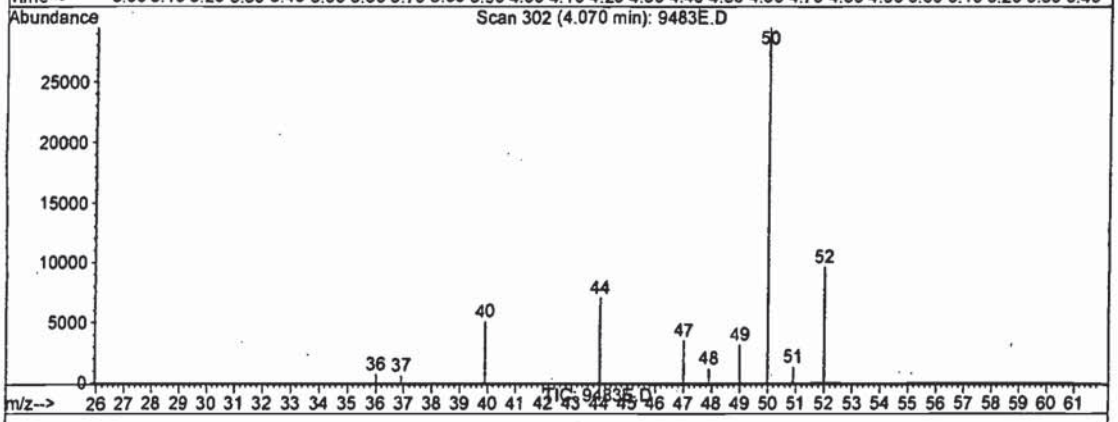
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
Quant Time: Oct 4 8:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(3) Chloromethane (P)

4.07min 18.04UG/L

response 270349

Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

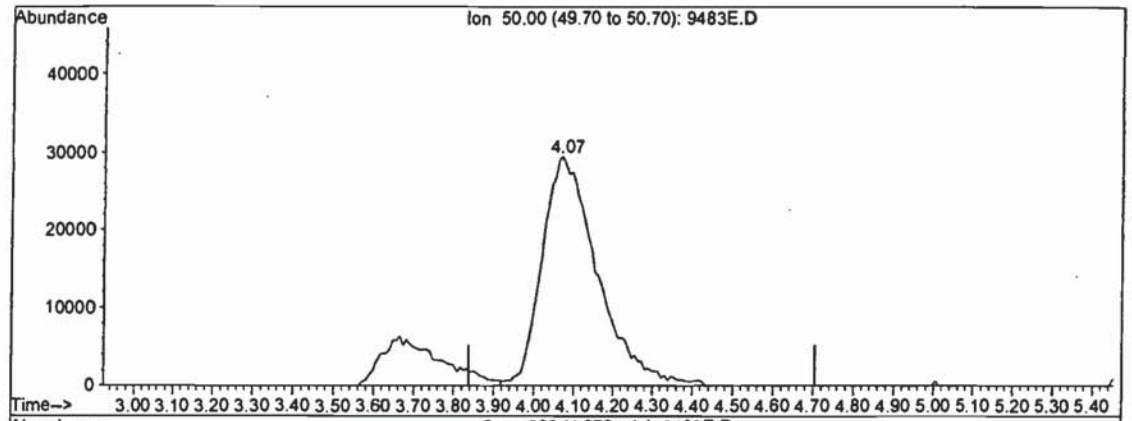
9483E.D 8260E1.M Wed Oct 04 08:09:15 2006

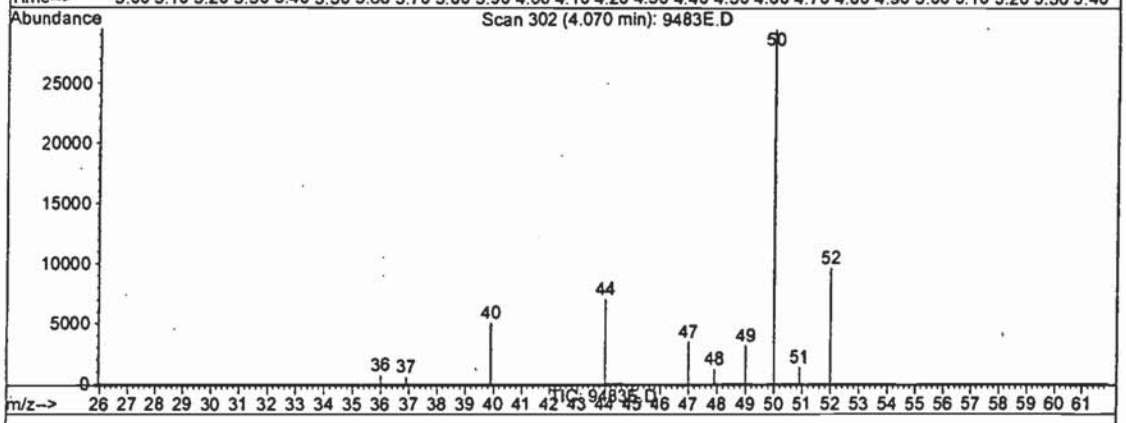
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9483E.D
Acq On : 4 Oct 06 7:19
Sample : DI MS
Misc :
Quant Time: Oct 4 8:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(3) Chloromethane (P)

4.07min 19.15UG/L m

response 286977

Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9514E.D
Acq On : 6 Oct 06 5:52
Sample : LCS #333-3
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 6 6:26 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1870881	50.00 UG/L	0.04
51) CHLOROBENZENE-d5	18.50	117	1399972	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.57	152	853195	50.00 UG/L	0.02
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.18	65	771748	50.84 UG/L	0.03
Spiked Amount 50.000	Range 40 - 60		Recovery = 101.68%#		
44) Toluene-d8	15.31	98	1645550	49.46 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 98.92%#		
47) Dibromofluoromethane	10.51	113	1222382	51.15 UG/L	0.05
Spiked Amount 50.000			Recovery = 102.30%		
50) 4-Bromofluorobenzene	20.68	95	1465266	53.61 UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 107.22%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.65	85	286257	15.05 UG/L	100
3) Chloromethane	4.07	50	253476	16.34 UG/L	100
4) VINYL CHLORIDE	4.24	62	262932	18.20 UG/L	99
5) Bromomethane	4.86	94	235320	21.25 UG/L	98
6) Chloroethane	5.04	64	155552	20.75 UG/L #	65
7) Trichlorofluoromethane	5.53	101	460427	22.01 UG/L	94
8) Acrolein	7.79	56	46089	114.72 UG/L	100
9) Diethyl Ether	6.02	59	190938	21.30 UG/L	100
10) Trichlorotrifluoroethane	6.43	101	538284	23.04 UG/L #	100
11) Acetone	6.55	43	89335	18.21 UG/L #	89
12) 1,1-DICHLOROETHENE	6.45	96	276079	22.87 UG/L	100
13) Methylene Chloride	7.29	84	378585	20.81 UG/L	85
14) Acrylonitrile	7.76	53	9984	2.88 UG/L	100
15) Carbon Disulfide	6.86	76	916721	20.57 UG/L	98
16) Vinyl Acetate	7.79	43	263137	22.88 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	312904	23.24 UG/L #	72
18) 1,1-Dichloroethane	8.55	63	645922	20.93 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	614863	22.95 UG/L	100
20) Diispropyl Ether	8.64	45	1470777	19.81 UG/L	100
21) 2-Butanone	9.72	43	647671	20.41 UG/L #	59
22) Ethyl Acetate	9.71	88	11909m	23.39 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	333783	22.74 UG/L #	44

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9514E.D
Acq On : 6 Oct 06 5:52
Sample : LCS #333-3
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 6 6:26 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.20	83	661850	22.64 UG/L	98
25) Bromochloromethane	10.06	128	235020	23.40 UG/L	88
26) 2,2-Dichloropropane	9.62	77	442004	22.43 UG/L #	100
27) Tetrahydrofuran	10.18	42	286063	97.16 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	491561	22.82 UG/L #	100
29) Iodomethane	6.73	142	689239	20.90 UG/L	100
30) 1,1-Dichloropropene	10.90	75	489393	22.46 UG/L #	100
32) Carbon Tetrachloride	10.91	117	448404	22.74 UG/L	92
33) 1,2-Dichloroethane	11.34	62	465096	23.01 UG/L #	100
34) Isobutanol	11.06	43	2120734	3644.63 UG/L	100
35) Benzene	11.31	78	757707	22.29 UG/L	100
36) N-Butanol	12.41	43	754600	2611.90 UG/L	100
37) Trichloroethene	12.61	130	377018	24.18 UG/L	100
38) 1,2-DICHLOROPROPANE	13.11	63	432135	20.93 UG/L	100
39) Bromodichloromethane	13.67	83	712956	22.89 UG/L	100
40) Dibromomethane	13.35	93	395444	23.23 UG/L	98
41) 2-Chloroethylvinylether	14.31	63	217284	21.04 UG/L #	100
42) 4-Methyl-2-Pentanone	15.01	43	507469	19.70 UG/L	92
43) cis-1,3-Dichloropropene	14.67	75	548883	21.85 UG/L	100
45) TOLUENE	15.46	91	836683	22.71 UG/L	100
46) trans-1,3-Dichloropropene	15.95	75	430689	21.95 UG/L	100
48) 1,1,2-Trichloroethane	16.40	97	336245	23.60 UG/L	100
49) 1,2-Dibromoethane	17.55	107	516549	23.87 UG/L #	100
52) 2-Hexanone	16.96	43	363508	19.02 UG/L #	89
53) 1,3-Dichloropropane	16.79	76	529808	21.35 UG/L	100
54) Tetrachloroethene	16.74	166	470605	23.72 UG/L	96
55) Dibromochloromethane	17.28	129	549147	21.66 UG/L	100
56) Chlorobenzene	18.56	112	618025	21.91 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.72	131	376758	23.66 UG/L	100
58) ETHYL BENZENE	18.77	106	271118	22.62 UG/L	93
59) m,p-Xylene	19.00	106	622891	45.29 UG/L #	74
60) o-Xylene	19.75	106	325414	23.36 UG/L	80
61) Styrene	19.77	104	521966	22.80 UG/L #	39
62) Bromoform	20.11	173	537455	24.21 UG/L	100
64) Isopropylbenzene	20.40	105	813741	20.55 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	618905	21.21 UG/L #	100
66) Bromobenzene	20.96	77	986374	20.89 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9514E.D
Acq On : 6 Oct 06 5:52
Sample : LCS #333-3
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 6 6:26 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.00	110	127624	22.12 UG/L	100
68) n-Propylbenzene	21.12	92	128655	20.70 UG/L	81
69) 1,3,5-Trimethylbenzene	21.41	105	647931	22.41 UG/L	100
70) 2-Chlorotoluene	21.27	126	250748	21.55 UG/L	100
71) 4-Chlorotoluene	21.45	126	232241	21.42 UG/L	100
72) t-Butylbenzene	21.94	119	723651	22.18 UG/L	100
73) 1,2,4-Trimethylbenzene	22.01	105	626964	22.44 UG/L	100
74) sec-Butylbenzene	22.27	105	984954	21.16 UG/L	100
75) p-Isopropyltoluene	22.50	119	642076	22.92 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	518744	23.25 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	537995	23.12 UG/L	100
78) n-Butylbenzene	23.13	92	396578	21.19 UG/L	91
79) 1,2-Dichlorobenzene	23.19	146	530992	23.14 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	155428	21.57 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	319806	25.36 UG/L	100
82) Naphthalene	26.36	128	499039	25.81 UG/L	100
83) Hexachlorobutadiene	26.16	225	328242	23.07 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	308981	26.58 UG/L	100

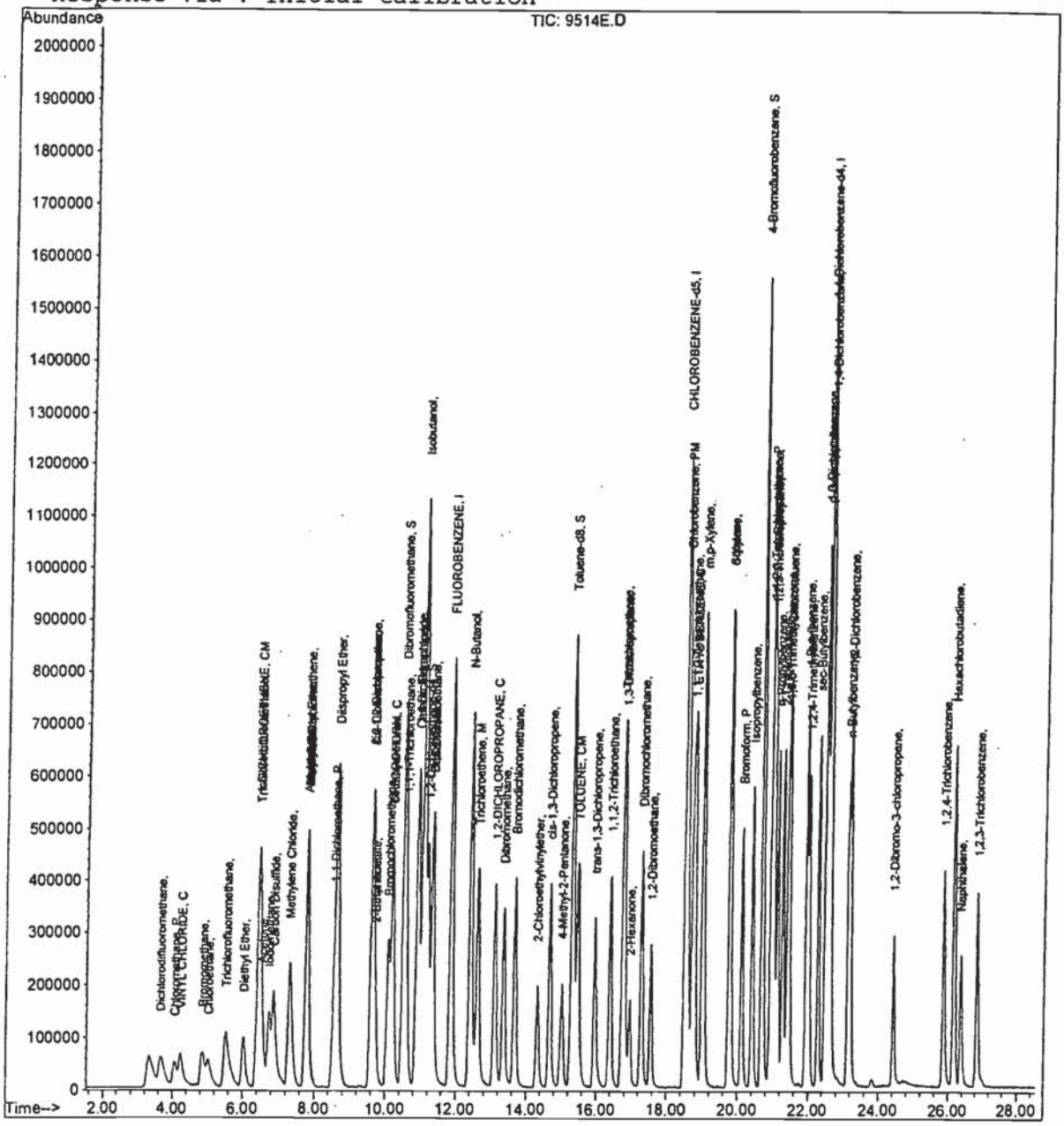
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9514E.D
Acq On : 6 Oct 06 5:52
Sample : LCS #333-3
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 6 6:26 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



R509820 Heritage Environmental Services, LLC Q1888683

QC Report

QCType SPI01 Duplicate SampleID A747569 DataFile 9472E.D
Date Entered 04Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 03Oct06 13:25:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	35.1		70.2	
217	CARBON TETRACHLORIDE	0	50	44		88	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	26.5		53	
21	1,2-DICHLOROETHANE	0	50	31.3		62.6	
8	1,1-DICHLOROETHENE	0	50	36.7		73.4	
2	1,1,1-TRICHLOROETHANE	0	50	45.2		90.4	
750	TRICHLOROETHENE	0	50	32.9		65.8	
768	VINYL CHLORIDE	0	50	32.5		65	
193	BROMOBENZENE	0	50	32.6		65.2	
195	BROMODICHLOROMETHANE	0	50	35.2		70.4	
197	BROMOFORM	0	50	31.1		62.2	
198	BROMOMETHANE	0	50	30.7		61.4	
231	CHLOROBENZENE	0	50	28		56	
295	DIBROMOCHLOROMETHANE	0	50	35.3		70.6	
234	CHLOROETHANE	0	50	37.6		75.2	
235	CHLOROFORM	0	50	39		78	
236	CHLOROMETHANE	0	50	36.5		73	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	42.9		85.8	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	34		68	
296	DIBROMOMETHANE	0	50	26.4		52.8	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	29.3		58.6	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	30.1		60.2	
746	TRANS-1,2-DICHLOROETHENE	0	50	27.6		55.2	
246	CIS-1,2-DICHLOROETHENE	0	50	33		66	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	41.5		83	
7	1,1-DICHLOROETHANE	0	50	39.1		78.2	
10	1,1-DICHLOROPROPENE	0	50	32.5		65	
23	1,2-DICHLOROPROPANE	0	50	35		70	
27	1,3-DICHLOROPROPANE	0	50	30.1		60.2	
247	CIS-1,3-DICHLOROPROPENE	0	50	21.8		43.6	
747	TRANS-1,3-DICHLOROPROPENE	0	50	15.8		31.6	
349	ETHYL BENZENE	0	50	34.6		69.2	
680	STYRENE	0	50	24.1		48.2	
4	1,1,2-TRICHLOROETHANE	0	50	32.8		65.6	
1	1,1,1,2-TETRACHLOROETHANE	0	50	45.7		91.4	
3	1,1,2,2-TETRACHLOROETHANE	0	50	47.6		95.2	
703	TETRACHLOROETHENE	35	50	63.4		56.8	
14	1,2,3-TRICHLOROPROPANE	0	50	44.7		89.4	
724	TOLUENE	0	50	30.7		61.4	
492	M/P-XYLENE	0	100	66.2		66.2	
549	O-XYLENE	0	50	36.4		72.8	
194	BROMOCHLOROMETHANE	0	50	31.4		62.8	
519	N-BUTYLBENZENE	0	50	36		72	
300	DICHLORODIFLUOROMETHANE	0	50	36.4		72.8	

10/4/06

10/4/06

R509820 Heritage Environmental Services, LLC Q1888683

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	46.7		93.4	
398	HEXACHLOROBUTADIENE	0	50	37.9		75.8	
432	ISOPROPYLBENZENE (CUMENE)	0	50	51.5		103	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	49.5		99	
493	NAPHTHALENE	0	50	12.9		25.8	
532	N-PROPYLBENZENE	0	50	43.4		86.8	
644	SEC-BUTYLBENZENE	0	50	49.4		98.8	
702	TERT-BUTYLBENZENE	0	50	59.3		118.6	
13	1,2,3-TRICHLOROBENZENE	0	50	17.2		34.4	
16	1,2,4-TRICHLOROBENZENE	0	50	15.9		31.8	
17	1,2,4-TRIMETHYLBENZENE	0	50	45.9		91.8	
25	1,3,5-TRIMETHYLBENZENE	0	50	51.4		102.8	
105	ACROLEIN	0	250	280		112	
99	ACETONE (2-PROPANONE)	0	50	42.9		85.8	
106	ACRYLONITRILE	0	250	72.9		29.2	
216	CARBON DISULFIDE	0 ~~1360~~	50	25.5	51	~~2669~~	JB 10-4-06
767	VINYL ACETATE	0	50	53.1		106.2	
52	2-BUTANONE	0	50	11.6		23.2	
91	4-METHYL-2-PENTANONE	0	50	31.1		62.2	
60	2-HEXANONE	0	50	21.1		42.2	
54	2-CHLOROETHYLVINYLETHER	0	50	19.5		39	
18	1,2-DIBROMOETHANE (EDB)	0	50	20.9		41.8	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	30.8		61.6	
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	52.9		105.8	
422	IODOMETHANE	0	50	29.9		59.8	
709	TETRAHYDROFURAN	0	250	207		82.8	
803	XYLENES (O/M/P-XYLENE)	0	150	102.6		68.4	

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9472E.D Vial: 1
Acq On : 3 Oct 06 13:25 Operator: HAROLD
Sample : A747569 MS LQ3829 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 3:00 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1729922	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1061078	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	418649	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	696770	49.64 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 99.28%#		
44) Toluene-d8	15.32	98	1480224	48.11 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 96.22%#		
47) Dibromofluoromethane	10.52	113	1161016	52.54 UG/L	0.05
Spiked Amount 50.000			Recovery = 105.08%		
50) 4-Bromofluorobenzene	20.69	95	905187	35.82 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 71.64%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	639907m	36.38 UG/L	100
3) Chloromethane	4.06	50	524273	36.54 UG/L	100
4) VINYL CHLORIDE	4.23	62	433496	32.46 UG/L	98
5) Bromomethane	4.82	94	293968	30.66 UG/L	99
6) Chloroethane	4.99	64	260711m	37.61 UG/L	96
7) Trichlorofluoromethane	5.48	101	903714	46.72 UG/L	99
8) Acrolein	7.78	56	104115	280.26 UG/L	100
9) Diethyl Ether	6.02	59	315612	38.07 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	1041193	48.20 UG/L #	100
11) Acetone	6.55	43	194642	42.90 UG/L	92
12) 1,1-DICHLOROETHENE	6.43	96	409828	36.71 UG/L	100
13) Methylene Chloride	7.30	84	611968	41.45 UG/L	85
14) Acrylonitrile	7.73	53	233537	72.92 UG/L	100
15) Carbon Disulfide	6.86	76	1029795	25.52 UG/L	98
16) Vinyl Acetate	7.78	43	564484	53.09 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	343854	27.62 UG/L #	70
18) 1,1-Dichloroethane	8.54	63	1115189	39.08 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	1310447	52.91 UG/L	100
20) Diispropyl Ether	8.64	45	2745323	39.99 UG/L	100
21) 2-Butanone	9.63	43	340468m	11.60 UG/L	92
23) cis-1,2-Dichloroethene	9.62	96	447283	32.96 UG/L #	49
24) CHLOROFORM	10.21	83	1053604	38.97 UG/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9472E.D
Acq On : 3 Oct 06 13:25
Sample : A747569 MS LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:00 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) Bromochloromethane	10.08	128	291624	31.40 UG/L	79
26) 2,2-Dichloropropane	9.62	77	823356	45.18 UG/L #	100
27) Tetrahydrofuran	10.18	42	562688	206.68 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	899435	45.16 UG/L #	100
29) Iodomethane	6.72	142	911598	29.90 UG/L	100
30) 1,1-Dichloropropene	10.91	75	654485	32.48 UG/L #	100
32) Carbon Tetrachloride	10.92	117	801392	43.96 UG/L	93
33) 1,2-Dichloroethane	11.35	62	583934	31.25 UG/L #	100
34) Isobutanol	11.10	43	4349669	8084.31 UG/L	100
35) Benzene	11.34	78	1102954	35.10 UG/L	100
36) N-Butanol	12.45	43	1292315	4837.57 UG/L	100
37) Trichloroethene	12.63	130	474285	32.90 UG/L	99
38) 1,2-DICHLOROPROPANE	13.12	63	667736	34.97 UG/L	100
39) Bromodichloromethane	13.68	83	1012746	35.17 UG/L	99
40) Dibromomethane	13.38	93	415465	26.39 UG/L	99
41) 2-Chloroethylvinylether	14.33	63	185861	19.46 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	739495	31.05 UG/L	92
43) cis-1,3-Dichloropropene	14.69	75	505396	21.76 UG/L	100
45) TOLUENE	15.47	91	1045994	30.71 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	286606	15.80 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	432205	32.81 UG/L	100
49) 1,2-Dibromoethane	17.56	107	417061	20.85 UG/L #	100
52) 2-Hexanone	16.98	43	304971	21.05 UG/L #	92
53) 1,3-Dichloropropane	16.81	76	566174	30.11 UG/L	100
54) Tetrachloroethene	16.75	166	953621	63.42 UG/L	96
55) Dibromochloromethane	17.31	129	679084	35.33 UG/L	100
56) Chlorobenzene	18.58	112	598090	27.97 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.73	131	552160	45.74 UG/L	100
58) ETHYL BENZENE	18.77	106	314561	34.63 UG/L	95
59) m,p-Xylene	19.00	106	690127	66.21 UG/L #	72
60) o-Xylene	19.76	106	384010	36.37 UG/L	77
61) Styrene	19.79	104	417401	24.06 UG/L #	33
62) Bromoform	20.11	173	523003	31.09 UG/L	100
64) Isopropylbenzene	20.42	105	1001612	51.54 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	681222	47.58 UG/L #	100
66) Bromobenzene	20.96	77	753893	32.55 UG/L	100
67) 1,2,3-Trichloropropane	21.01	110	126603	44.71 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9472E.D
Acq On : 3 Oct 06 13:25
Sample : A747569 MS LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:00 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68) n-Propylbenzene	21.13	92	132300	43.38 UG/L	85
69) 1,3,5-Trimethylbenzene	21.41	105	728474	51.35 UG/L	100
70) 2-Chlorotoluene	21.29	126	244835	42.87 UG/L	100
71) 4-Chlorotoluene	21.46	126	180715	33.97 UG/L	100
72) t-Butylbenzene	21.94	119	949868	59.34 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	629285	45.90 UG/L	100
74) sec-Butylbenzene	22.30	105	1129462	49.44 UG/L	100
75) p-Isopropyltoluene	22.51	119	680504	49.50 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	320634	29.28 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	301989	26.45 UG/L	100
78) n-Butylbenzene	23.13	92	330659	36.00 UG/L	94
79) 1,2-Dichlorobenzene	23.19	146	338268	30.05 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	108913	30.81 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	98364	15.90 UG/L	100
82) Naphthalene	26.37	128	122360	12.90 UG/L	100
83) Hexachlorobutadiene	26.16	225	264652	37.91 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	98156	17.21 UG/L	100

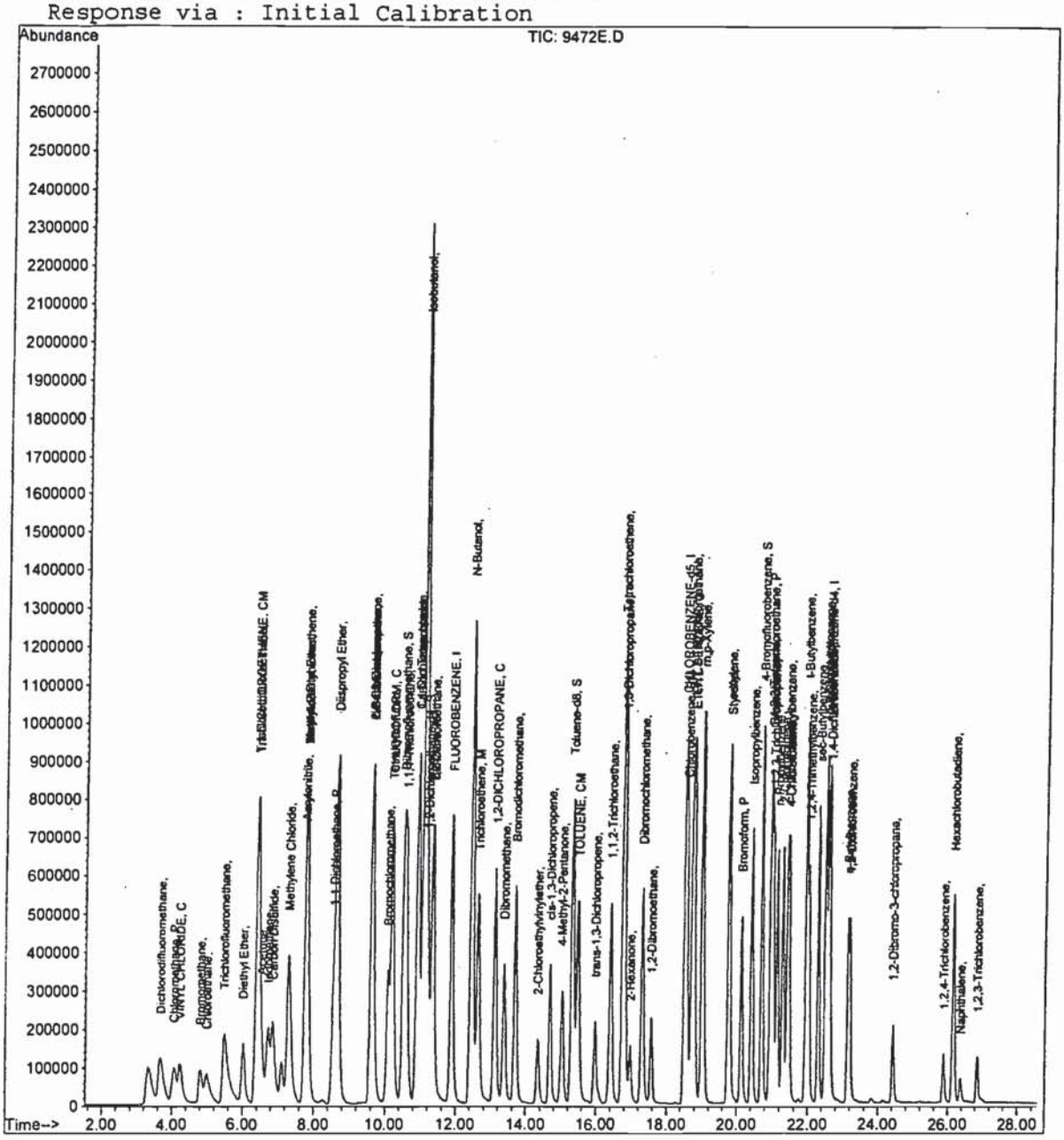
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9472E.D
Acq On : 3 Oct 06 13:25
Sample : A747569 MS LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:00 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

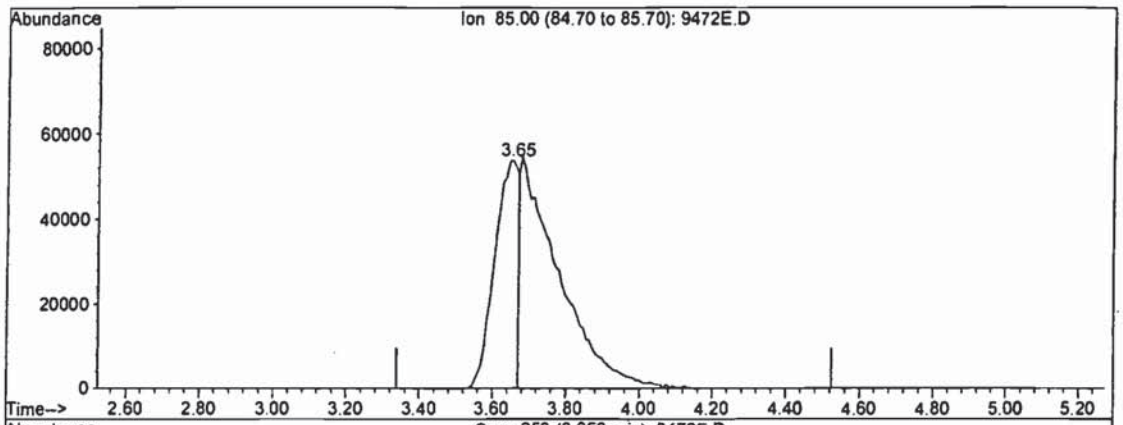


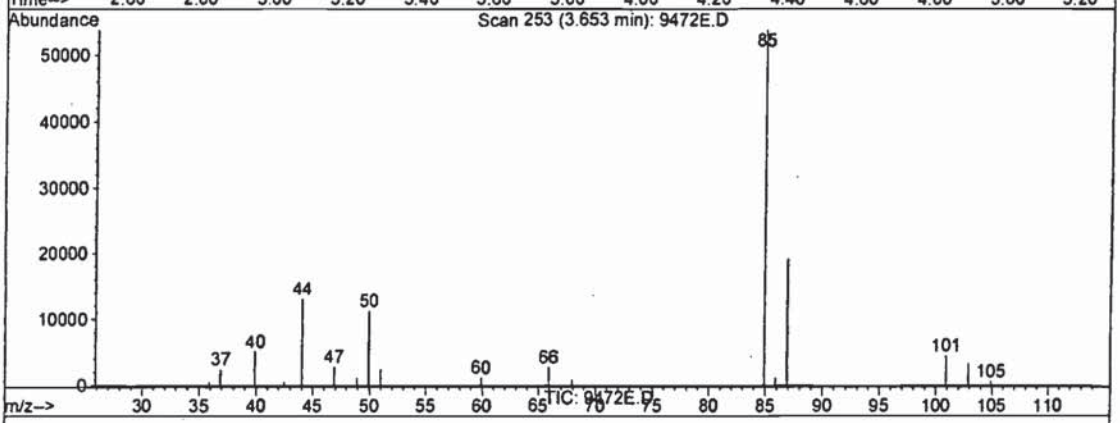
Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9472E.D
Acq On : 3 Oct 06 13:25
Sample : A747569 MS LQ3829
Misc :
Quant Time: Oct 3 13:54 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.65min 13.82UG/L

response 242988

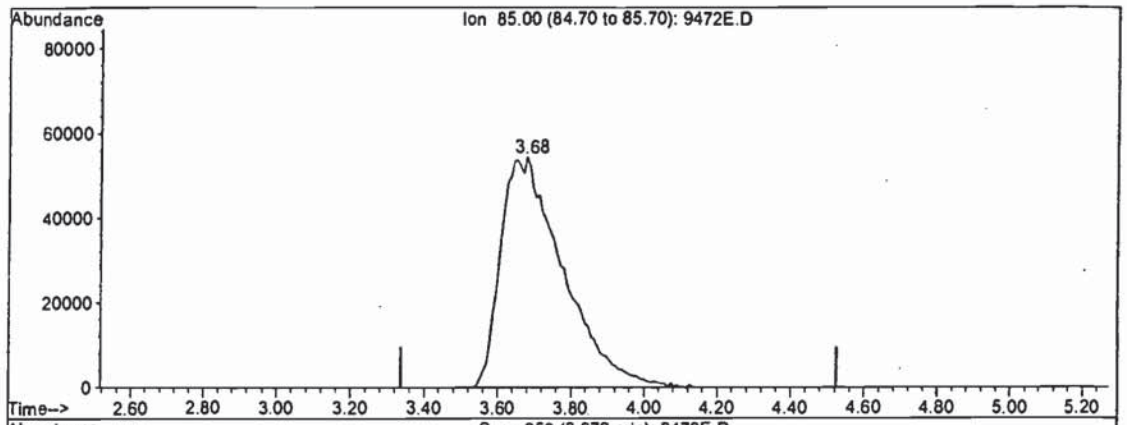
Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9472E.D
Acq On : 3 Oct 06 13:25
Sample : A747569 MS LQ3829
Misc :
Quant Time: Oct 4 3:00 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.68min 36.38UG/L m

response 639907

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9472E.D 8260E1.M Wed Oct 04 03:00:23 2006

R509820 Heritage Environmental Services, LLC Q1888684

QC Report

QCType DPS01 Duplicate SampleID A747569 DataFile 9473E.D
Date Entered 04Oct06 Duplicate QCSampleID Q1888683 Analyst 1365 H. WILLIAMS
Analysis Date/Time 03Oct06 14:04:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	37.8		75.6	7.4
217	CARBON TETRACHLORIDE	0	50	47.6		95.2	8
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	26.9		53.8	1.7
21	1,2-DICHLOROETHANE	0	50	35		69.9	11.2
8	1,1-DICHLOROETHENE	0	50	39.9		79.7	8.2
2	1,1,1-TRICHLOROETHANE	0	50	47.2		94.3	4.3
750	TRICHLOROETHENE	0	50	37.1		74.1	11.9
768	VINYL CHLORIDE	0	50	35.1		70.3	8
193	BROMOBENZENE	0	50	31.1		62.1	4.7
195	BROMODICHLOROMETHANE	0	50	38		76	7.8
197	BROMOFORM	0	50	34.2		68.4	9.5
198	BROMOMETHANE	0	50	33.9		67.8	10.1
231	CHLOROBENZENE	0	50	30.1		60.1	7.2
295	DIBROMOCHLOROMETHANE	0	50	36.3		72.7	2.8
234	CHLOROETHANE	0	50	39.1		78.3	4
235	CHLOROFORM	0	50	41.6		83.1	6.5
236	CHLOROMETHANE	0	50	38		76	3.9
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	38.8		77.7	9.8
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	32.1		64.3	5.4
296	DIBROMOMETHANE	0	50	30.5		61	14.4
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	28.2		56.4	3.8
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	29.6		59.1	1.7
746	TRANS-1,2-DICHLOROETHENE	0	50	31.5		63	13.2
246	CIS-1,2-DICHLOROETHENE	0	50	35.5		71	7.5
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	41.8		83.6	.8
7	1,1-DICHLOROETHANE	0	50	41.5		83	6
10	1,1-DICHLOROPROPENE	0	50	36.5		73	11.6
23	1,2-DICHLOROPROPANE	0	50	37.6		75.3	7.4
27	1,3-DICHLOROPROPANE	0	50	31.5		63	4.5
247	CIS-1,3-DICHLOROPROPENE	0	50	26.3		52.7	19.1
747	TRANS-1,3-DICHLOROPROPENE	0	50	20.5		41	25.9
349	ETHYL BENZENE	0	50	35.3		70.6	1.9
680	STYRENE	0	50	26.1		52.1	8
4	1,1,2-TRICHLOROETHANE	0	50	37.2		74.5	12.7
1	1,1,1,2-TETRACHLOROETHANE	0	50	43.6		87.3	4.7
3	1,1,2,2-TETRACHLOROETHANE	0	50	41.4		82.7	14.1
703	TETRACHLOROETHENE	35	50	49.8		29.6	63
14	1,2,3-TRICHLOROPROPANE	0	50	40.6		81.3	9.5
724	TOLUENE	0	50	34.8		69.6	12.5
492	M/P-XYLENE	0	100	68		68	2.7
549	O-XYLENE	0	50	37.1		74.2	2
194	BROMOCHLOROMETHANE	0	50	35.1		70.3	11.3
519	N-BUTYLBENZENE	0	50	34.1		68.3	5.3
300	DICHLORODIFLUOROMETHANE	0	50	38.7		77.4	6.1

R509820 Heritage Environmental Services, LLC Q1888684

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	48.7		97.4	4.2
398	HEXACHLOROBUTADIENE	0	50	40		80	5.4
432	ISOPROPYLBENZENE (CUMENE)	0	50	46		92.1	11.3
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	44.7		89.4	10.2
493	NAPHTHALENE	0	50	16.8		33.5	26
532	N-PROPYLBENZENE	0	50	39.8		79.7	8.5
644	SEC-BUTYLBENZENE	0	50	44.6		89.2	10.3
702	TERT-BUTYLBENZENE	0	50	49.6		99.1	18
13	1,2,3-TRICHLOROBENZENE	0	50	19.8		39.7	14.3
16	1,2,4-TRICHLOROBENZENE	0	50	18.2		36.4	13.5
17	1,2,4-TRIMETHYLBENZENE	0	50	41.2		82.4	10.8
25	1,3,5-TRIMETHYLBENZENE	0	50	44.5		88.9	14.4
105	ACROLEIN	0	250	270		108	3.7
99	ACETONE (2-PROPANONE)	0	50	43.6		87.2	1.6
106	ACRYLONITRILE	0	250	81.5		32.6	11
216	CARBON DISULFIDE	0 ~~1300~~	50	~~58.7 20.1~~ 29.1		~~2000.0~~ 58.2	13.2
767	VINYL ACETATE	0	50	53		105.9	.3
52	2-BUTANONE	0	50	14.3		28.6	20.8
91	4-METHYL-2-PENTANONE	0	50	34.9		69.9	11.8
60	2-HEXANONE	0	50	25.3		50.7	18.5
54	2-CHLOROETHYLVINYLETHER	0	50	24.9		49.8	24.6
18	1,2-DIBROMOETHANE (EDB)	0	50	26.5		53.1	24.1
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	32.5		65.1	5.5
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	53.8		107.6	1.7
422	IODOMETHANE	0	50	34.4		68.8	14
709	TETRAHYDROFURAN	0	250	212		85	2.7
803	XYLENES (O/M/P-XYLENE)	0	150	105.1		70.1	2.5

LKS 10-4-06

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9473E.D
Acq On : 3 Oct 06 14:04
Sample : A747569 MSD LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:01 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1785224	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.52	117	1234331	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	577833	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.21	65	729846	50.39 UG/L	0.06
Spiked Amount 50.000	Range 40 - 60		Recovery = 100.78%#		
44) Toluene-d8	15.32	98	1573030	49.54 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 99.08%#		
47) Dibromofluoromethane	10.52	113	1183495	51.90 UG/L	0.06
Spiked Amount 50.000			Recovery = 103.80%		
50) 4-Bromofluorobenzene	20.70	95	1172548	44.96 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 89.92%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	702690	38.71 UG/L	100
3) Chloromethane	4.07	50	562619	38.00 UG/L	100
4) VINYL CHLORIDE	4.24	62	484205	35.13 UG/L	98
5) Bromomethane	4.81	94	328238m	33.91 UG/L	62
6) Chloroethane	4.99	64	280025	39.14 UG/L #	85
7) Trichlorofluoromethane	5.48	101	972537	48.72 UG/L	98
8) Acrolein	7.77	56	103531	270.06 UG/L	100
9) Diethyl Ether	6.02	59	359167	41.99 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	1161198	52.09 UG/L #	100
11) Acetone	6.55	43	204193	43.61 UG/L #	88
12) 1,1-DICHLOROETHENE	6.43	96	459262	39.86 UG/L	100
13) Methylene Chloride	7.29	84	636221	41.81 UG/L	86
14) Acrylonitrile	7.74	53	269412	81.51 UG/L	100
15) Carbon Disulfide	6.85	76	1197673	29.10 UG/L	97
16) Vinyl Acetate	7.80	43	581008	52.95 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	404360	31.48 UG/L #	72
18) 1,1-Dichloroethane	8.55	63	1221748	41.49 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	1374558	53.78 UG/L	100
20) Diispropyl Ether	8.64	45	2953558	41.69 UG/L	100
21) 2-Butanone	9.64	43	433486m	14.32 UG/L	89
22) Ethyl Acetate	9.71	88	646	2.85 UG/L #	100
23) cis-1,2-Dichloroethene	9.62	96	497186	35.50 UG/L #	49

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9473E.D Vial: 1
Acq On : 3 Oct 06 14:04 Operator: HAROLD
Sample : A747569 MSD LQ3829 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 3:01 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.20	83	1159347	41.56 UG/L	98
25) Bromochloromethane	10.07	128	336685	35.13 UG/L	82
26) 2,2-Dichloropropane	9.61	77	869299	46.22 UG/L #	100
27) Tetrahydrofuran	10.18	42	596764	212.40 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	969374	47.16 UG/L #	100
29) Iodomethane	6.73	142	1082035	34.39 UG/L	100
30) 1,1-Dichloropropene	10.91	75	758742	36.49 UG/L #	100
32) Carbon Tetrachloride	10.93	117	895255	47.58 UG/L	95
33) 1,2-Dichloroethane	11.36	62	674213	34.96 UG/L #	100
34) Isobutanol	11.10	43	4538929	8174.74 UG/L	100
35) Benzene	11.34	78	1226373	37.81 UG/L	100
36) N-Butanol	12.44	43	1453882	5273.78 UG/L	100
37) Trichloroethene	12.63	130	551333	37.06 UG/L	99
38) 1,2-DICHLOROPROPANE	13.12	63	741405	37.63 UG/L	100
39) Bromodichloromethane	13.69	83	1128744	37.98 UG/L	100
40) Dibromomethane	13.37	93	495128	30.48 UG/L	98
41) 2-Chloroethylvinylether	14.33	63	245314	24.89 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	858558	34.94 UG/L	92
43) cis-1,3-Dichloropropene	14.70	75	631229	26.34 UG/L	100
45) TOLUENE	15.48	91	1223711	34.81 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	383338	20.48 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	506183	37.23 UG/L	100
49) 1,2-Dibromoethane	17.56	107	548060	26.54 UG/L #	100
52) 2-Hexanone	16.97	43	426791	25.33 UG/L #	90
53) 1,3-Dichloropropane	16.80	76	688982	31.50 UG/L	100
54) Tetrachloroethene	16.75	166	870894	49.79 UG/L	96
55) Dibromochloromethane	17.30	129	812183	36.33 UG/L	100
56) Chlorobenzene	18.57	112	747469	30.05 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.73	131	612608	43.63 UG/L	100
58) ETHYL BENZENE	18.78	106	372747	35.28 UG/L	92
59) m,p-Xylene	19.00	106	824843	68.02 UG/L #	70
60) o-Xylene	19.76	106	455557	37.09 UG/L	79
61) Styrene	19.79	104	526301	26.07 UG/L #	30
62) Bromoform	20.13	173	668794	34.18 UG/L	100
64) Isopropylbenzene	20.41	105	1234764	46.03 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	817530	41.37 UG/L #	100
66) Bromobenzene	20.96	77	993400	31.07 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100306\9473E.D
Acq On : 3 Oct 06 14:04
Sample : A747569 MSD LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:01 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	158810	40.64 UG/L	100
68) n-Propylbenzene	21.13	92	167707	39.84 UG/L	78
69) 1,3,5-Trimethylbenzene	21.42	105	870581	44.46 UG/L	100
70) 2-Chlorotoluene	21.28	126	306140	38.84 UG/L	100
71) 4-Chlorotoluene	21.47	126	235904	32.13 UG/L	100
72) t-Butylbenzene	21.96	119	1094842	49.55 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	779972	41.22 UG/L	100
74) sec-Butylbenzene	22.29	105	1406041	44.59 UG/L	100
75) p-Isopropyltoluene	22.51	119	847882	44.68 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	425824	28.18 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	423653	26.89 UG/L	100
78) n-Butylbenzene	23.14	92	432677	34.13 UG/L	93
79) 1,2-Dichlorobenzene	23.20	146	459508	29.57 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	158781	32.54 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	155440	18.20 UG/L	100
82) Naphthalene	26.38	128	219418	16.75 UG/L	100
83) Hexachlorobutadiene	26.16	225	385625	40.02 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	156217	19.84 UG/L	100

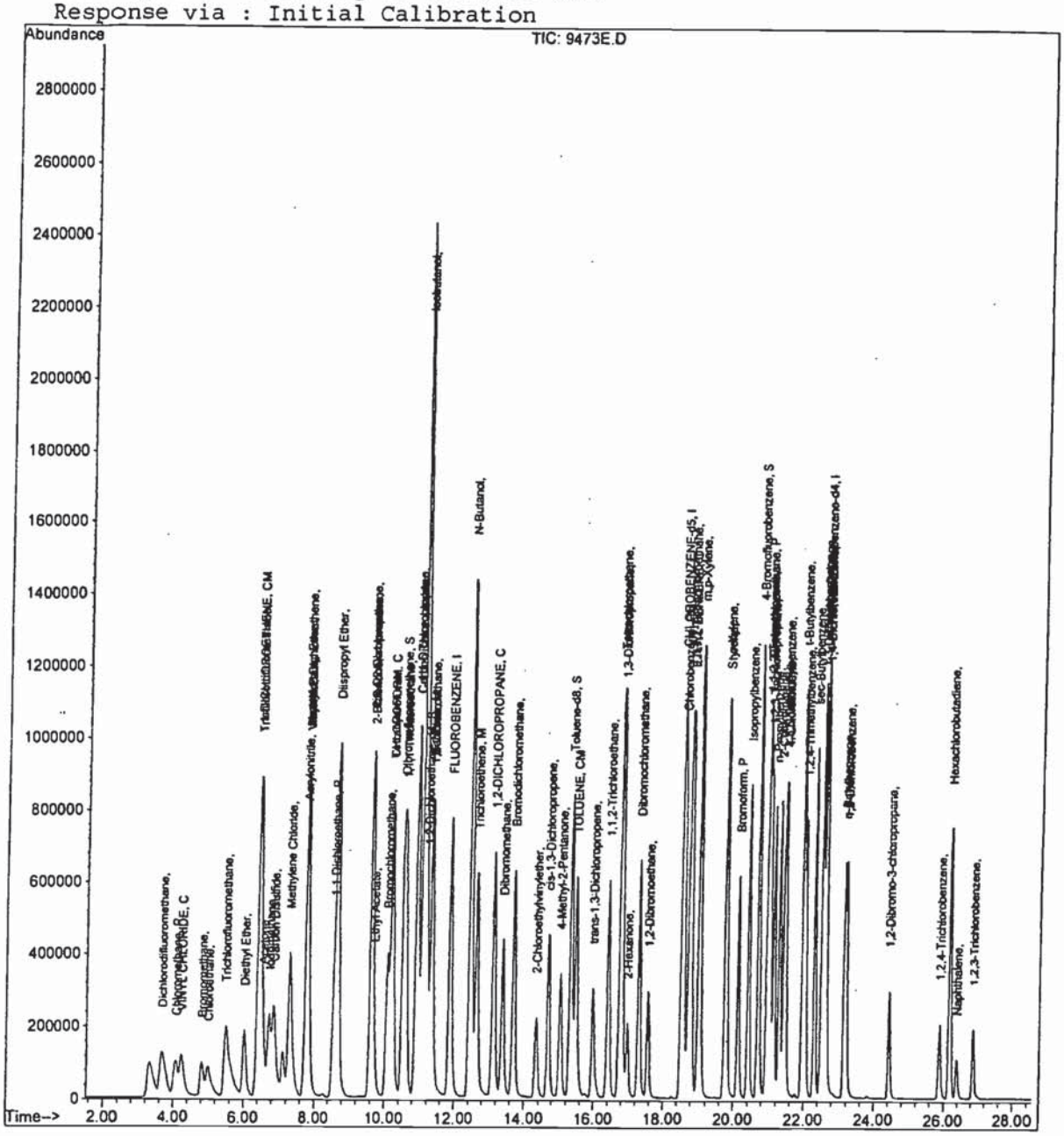
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9473E.D
Acq On : 3 Oct 06 14:04
Sample : A747569 MSD LQ3829
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 4 3:01 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

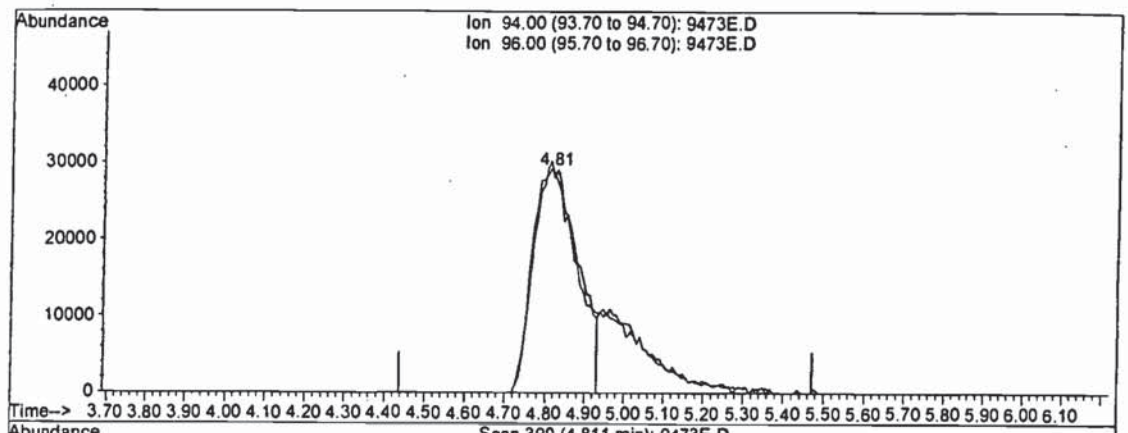


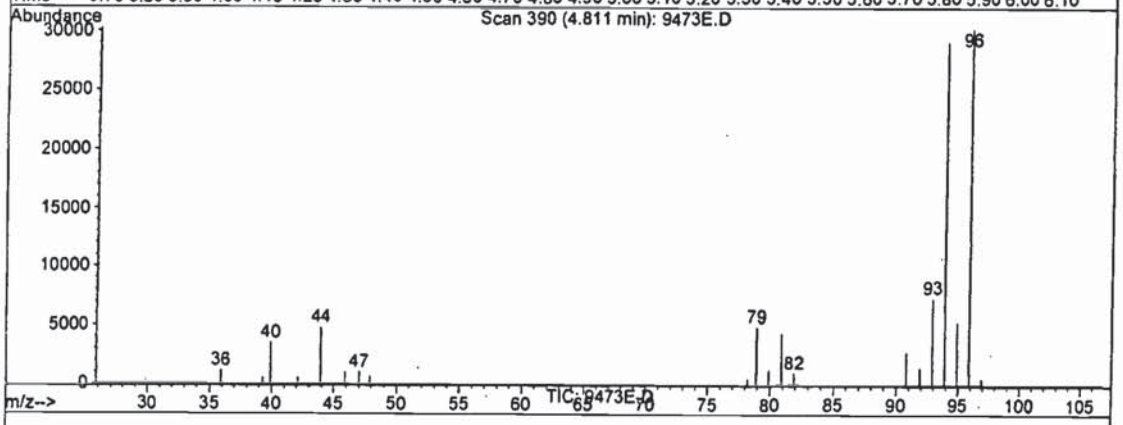
Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9473E.D
Acq On : 3 Oct 06 14:04
Sample : A747569 MSD LQ3829
Misc :
Quant Time: Oct 3 14:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.81min 21.98UG/L

response 231044

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	134.33#
0.00	0.00	0.00
0.00	0.00	0.00

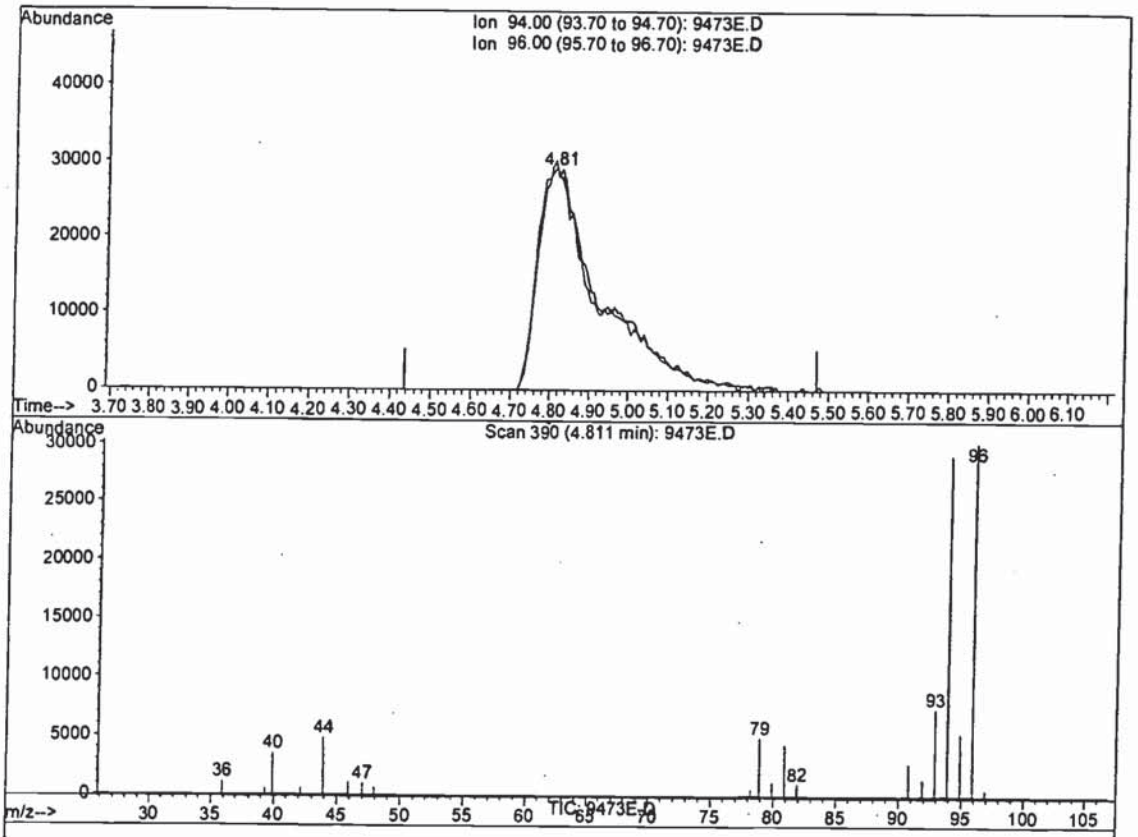
9473E.D 8260E1.M Wed Oct 04 03:01:15 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100306\9473E.D
Acq On : 3 Oct 06 14:04
Sample : A747569 MSD LQ3829
Misc :
Quant Time: Oct 4 3:01 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.81min 33.91UG/L m

response 328238

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	94.56
0.00	0.00	0.00
0.00	0.00	0.00

9473E.D 8260E1.M Wed Oct 04 03:01:21 2006

R509893 Heritage Environmental Services, LLC Q1888987

QC Report

QCType SPI01 Duplicate SampleID A747909 DataFile 9495E.D
Date Entered 05Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 14:52:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	33.9		67.8	
217	CARBON TETRACHLORIDE	0	50	33.8		67.6	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	22.7		45.4	
21	1,2-DICHLOROETHANE	0	50	37.4		74.8	
8	1,1-DICHLOROETHENE	0	50	38.3		76.6	
2	1,1,1-TRICHLOROETHANE	0	50	35.4		70.8	
750	TRICHLOROETHENE	360	50		NQR		
768	VINYL CHLORIDE	0	50	35.3		70.6	
193	BROMOBENZENE	0	50	26.3		52.6	
195	BROMODICHLOROMETHANE	0	50	31.9		63.8	
197	BROMOFORM	0	50	27.5		55	
198	BROMOMETHANE	0	50	36.2		72.4	
231	CHLOROBENZENE	0	50	27.1		54.2	
295	DIBROMOCHLOROMETHANE	0	50	30		60	
234	CHLOROETHANE	0	50	39.5		79	
235	CHLOROFORM	0	50	36		72	
236	CHLOROMETHANE	0	50	35.2		70.4	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	29.4		58.8	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	26.2		52.4	
296	DIBROMOMETHANE	0	50	35		70	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	24.5		49	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	23.1		46.2	
746	TRANS-1,2-DICHLOROETHENE	0	50	36.8		73.6	
246	CIS-1,2-DICHLOROETHENE	0	50	38.3		76.6	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	7.6	50	44.2		73.2	
7	1,1-DICHLOROETHANE	0	50	34.7		69.4	
10	1,1-DICHLOROPROPENE	0	50	31.4		62.8	
23	1,2-DICHLOROPROPANE	0	50	29.3		58.6	
27	1,3-DICHLOROPROPANE	0	50	30.2		60.4	
247	CIS-1,3-DICHLOROPROPENE	0	50	28		56	
747	TRANS-1,3-DICHLOROPROPENE	0	50	25.2		50.4	
349	ETHYL BENZENE	0	50	28.7		57.4	
680	STYRENE	0	50	25		50	
4	1,1,2-TRICHLOROETHANE	0	50	31		62	
1	1,1,1,2-TETRACHLOROETHANE	0	50	33.8		67.6	
3	1,1,2,2-TETRACHLOROETHANE	0	50	29.9		59.8	
703	TETRACHLOROETHENE	0	50	33.1		66.2	
14	1,2,3-TRICHLOROPROPANE	0	50	34.4		68.8	
724	TOLUENE	0	50	28.9		57.8	
492	M/P-XYLENE	0	100	56.5		56.5	
549	O-XYLENE	0	50	29.4		58.8	
194	BROMOCHLOROMETHANE	0	50	41.5		83	
519	N-BUTYLBENZENE	0	50	24.7		49.4	
300	DICHLORODIFLUOROMETHANE	0	50	30.3		60.6	

10/5/06

R509893 Heritage Environmental Services, LLC Q1888987

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	37.6		75.2	
398	HEXACHLOROBUTADIENE	0	50	25.4		50.8	
432	ISOPROPYLBENZENE (CUMENE)	0	50	32.4		64.8	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	31.3		62.6	
493	NAPHTHALENE	0	50	14.2		28.4	
532	N-PROPYLBENZENE	0	50	29.2		58.4	
644	SEC-BUTYLBENZENE	0	50	30.9		61.8	
702	TERT-BUTYLBENZENE	0	50	35.5		71	
13	1,2,3-TRICHLOROBENZENE	0	50	15		30	
16	1,2,4-TRICHLOROBENZENE	0	50	14.8		29.6	
17	1,2,4-TRIMETHYLBENZENE	0	50	29.4		58.8	
25	1,3,5-TRIMETHYLBENZENE	0	50	31.6		63.2	
105	ACROLEIN	0	250	246		98.4	
99	ACETONE (2-PROPANONE)	0	50	47.9		95.8	
106	ACRYLONITRILE	0	250	104		41.6	
216	CARBON DISULFIDE	0	50	34.3		68.6	
767	VINYL ACETATE	0	50	46.5		93	
52	2-BUTANONE	0	50	38		76	
91	4-METHYL-2-PENTANONE	0	50	31.5		63	
60	2-HEXANONE	0	50	28.1		56.2	
54	2-CHLOROETHYLVINYLETHER	0	50	29.5		59	
18	1,2-DIBROMOETHANE (EDB)	0	50	27.8		55.6	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	25		50	
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	47.7		95.4	
422	IODOMETHANE	0	50	32.9		65.8	
709	TETRAHYDROFURAN	0	250	196		78.4	
803	XYLENES (O/M/P-XYLENE)	0	150	85.9		57.3	

Qualifiers

NQR No QC Result. High Sample Concentration.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9495E.D Vial: 1
Acq On : 4 Oct 06 14:52 Operator: HAROLD
Sample : A747909 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:12 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1750914	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1160357	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.58	152	562355	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	733998	51.67 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 103.34%#		
44) Toluene-d8	15.31	98	1484053	47.66 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 95.32%#		
47) Dibromofluoromethane	10.51	113	1140384	50.99 UG/L	0.05
Spiked Amount 50.000			Recovery = 101.98%		
50) 4-Bromofluorobenzene	20.69	95	1117653	43.70 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 87.40%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.66	85	539739m	30.32 UG/L	100
3) Chloromethane	4.07	50	511468m	35.22 UG/L	100
4) VINYL CHLORIDE	4.24	62	476955	35.28 UG/L	98
5) Bromomethane	4.82	94	338673	36.24 UG/L	97
6) Chloroethane	5.02	64	277196	39.51 UG/L	98
7) Trichlorofluoromethane	5.51	101	736773	37.63 UG/L #	42
8) Acrolein	7.79	56	92534	246.10 UG/L	100
9) Diethyl Ether	6.03	59	355243	42.34 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	824413	37.71 UG/L #	100
11) Acetone	6.56	43	219878	47.88 UG/L #	60
12) 1,1-DICHLOROETHENE	6.43	96	432347	38.26 UG/L	100
13) Methylene Chloride	7.30	84	653892	44.16 UG/L	88
14) Acrylonitrile	7.74	53	335554	103.51 UG/L	100
15) Carbon Disulfide	6.85	76	1366722	34.32 UG/L	98
16) Vinyl Acetate	7.78	43	499973	46.46 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	463960	36.82 UG/L #	68
18) 1,1-Dichloroethane	8.55	63	1003145	34.74 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1194418	47.65 UG/L	100
20) Diispropyl Ether	8.65	45	2426620	34.92 UG/L	100
21) 2-Butanone	9.72	43	1127116m	37.95 UG/L	59
22) Ethyl Acetate	9.73	88	23788	49.19 UG/L #	100
23) cis-1,2-Dichloroethene	9.62	96	526067	38.30 UG/L #	48

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9495E.D Vial: 1
Acq On : 4 Oct 06 14:52 Operator: HAROLD
Sample : A747909 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:12 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.20	83	984978	36.00 UG/L	97
25) Bromochloromethane	10.08	128	389649	41.45 UG/L	96
26) 2,2-Dichloropropane	9.63	77	648608	35.17 UG/L #	100
27) Tetrahydrofuran	10.19	42	538938	195.58 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	714400	35.44 UG/L #	100
29) Iodomethane	6.73	142	1015132	32.90 UG/L	100
30) 1,1-Dichloropropene	10.91	75	641156	31.44 UG/L #	100
32) Carbon Tetrachloride	10.93	117	624521	33.84 UG/L	93
33) 1,2-Dichloroethane	11.36	62	708093	37.44 UG/L #	100
34) Isobutanol	11.10	43	4068139	7470.41 UG/L	100
35) Benzene	11.33	78	1079002	33.92 UG/L	100
36) N-Butanol	12.45	43	1407992	5207.40 UG/L	100
37) Trichloroethene	12.64	130	3166500	217.00 UG/L	99
38) 1,2-DICHLOROPROPANE	13.12	63	565544	29.27 UG/L	100
39) Bromodichloromethane	13.69	83	928929	31.87 UG/L	100
40) Dibromomethane	13.37	93	557056	34.96 UG/L	100
41) 2-Chloroethylvinylether	14.33	63	285037	29.49 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	758796	31.48 UG/L	93
43) cis-1,3-Dichloropropene	14.69	75	657963	27.99 UG/L	100
45) TOLUENE	15.47	91	995391	28.87 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	462348	25.18 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	412891	30.97 UG/L	100
49) 1,2-Dibromoethane	17.56	107	562241	27.76 UG/L #	100
52) 2-Hexanone	16.97	43	444417	28.05 UG/L #	91
53) 1,3-Dichloropropane	16.80	76	620098	30.15 UG/L	100
54) Tetrachloroethene	16.75	166	543927	33.08 UG/L	96
55) Dibromochloromethane	17.31	129	631038	30.02 UG/L	100
56) Chlorobenzene	18.58	112	632920	27.07 UG/L	94
57) 1,1,1,2-Tetrachloroethane	18.72	131	446474	33.82 UG/L	100
58) ETHYL BENZENE	18.78	106	285476	28.74 UG/L	96
59) m,p-Xylene	19.01	106	644266	56.52 UG/L	77
60) o-Xylene	19.76	106	339095	29.37 UG/L	81
61) Styrene	19.78	104	474694	25.02 UG/L #	38
62) Bromoform	20.13	173	505071	27.45 UG/L	100
64) Isopropylbenzene	20.41	105	845166	32.37 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	575691	29.94 UG/L #	100
66) Bromobenzene	20.96	77	819138	26.33 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9495E.D
Acq On : 4 Oct 06 14:52
Sample : A747909 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:12 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	130653	34.35 UG/L	100
68) n-Propylbenzene	21.12	92	119686	29.22 UG/L	75
69) 1,3,5-Trimethylbenzene	21.42	105	602567	31.62 UG/L	100
70) 2-Chlorotoluene	21.28	126	225840	29.44 UG/L	100
71) 4-Chlorotoluene	21.46	126	187420	26.23 UG/L	100
72) t-Butylbenzene	21.95	119	762269	35.45 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	541249	29.39 UG/L	100
74) sec-Butylbenzene	22.30	105	947459	30.87 UG/L	100
75) p-Isopropyltoluene	22.51	119	578780	31.34 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	360489	24.51 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	348486	22.72 UG/L	100
78) n-Butylbenzene	23.13	92	304396	24.67 UG/L	95
79) 1,2-Dichlorobenzene	23.20	146	349648	23.12 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	118617	24.98 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	123163	14.82 UG/L	100
82) Naphthalene	26.37	128	180553	14.17 UG/L	100
83) Hexachlorobutadiene	26.16	225	238376	25.42 UG/L	100
84) 1,2,3-Trichlorobenzene	26.85	180	114593	14.95 UG/L	100

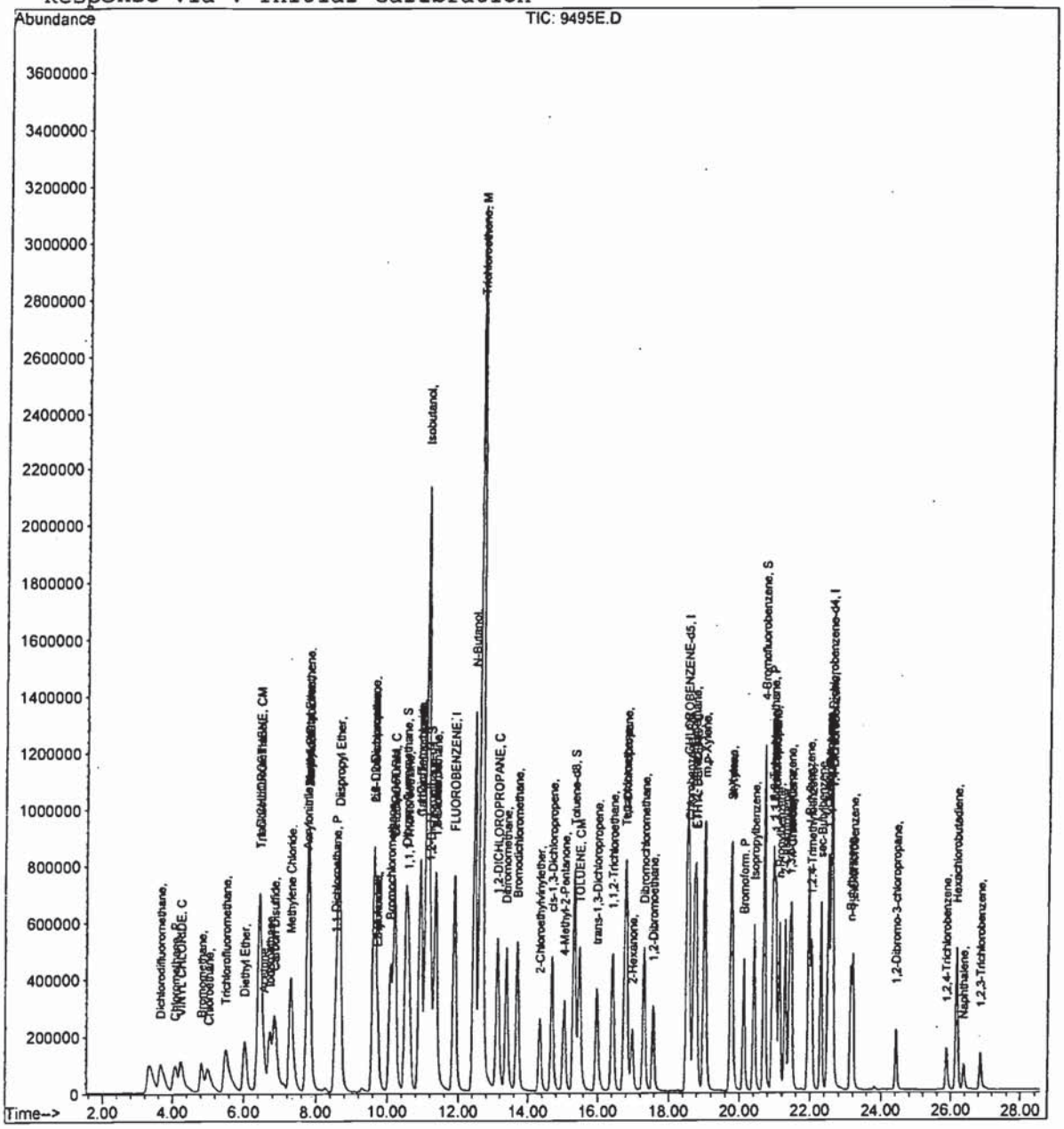
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9495E.D
Acq On : 4 Oct 06 14:52
Sample : A747909 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:12 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

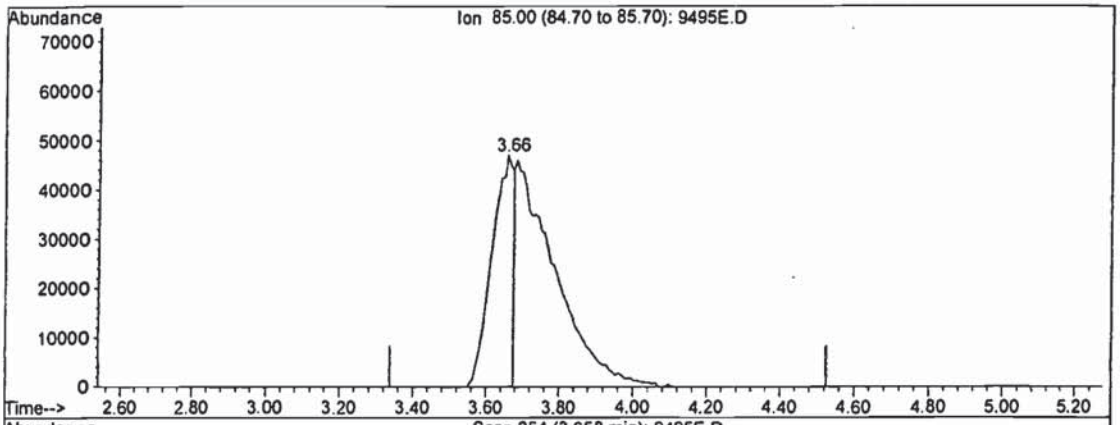
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

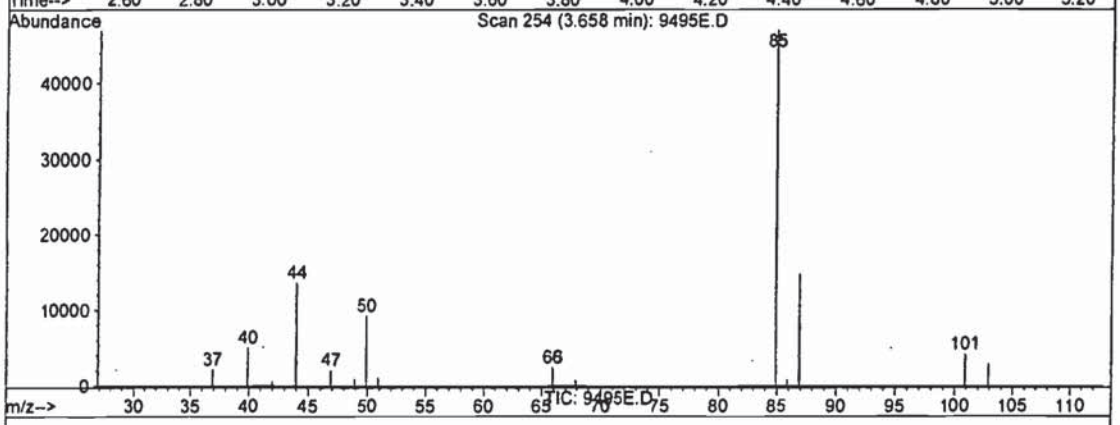


Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9495E.D Vial: 1
Acq On : 4 Oct 06 14:52 Operator: HAROLD
Sample : A747909 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 4 15:20 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.66min 11.10UG/L

response 197690

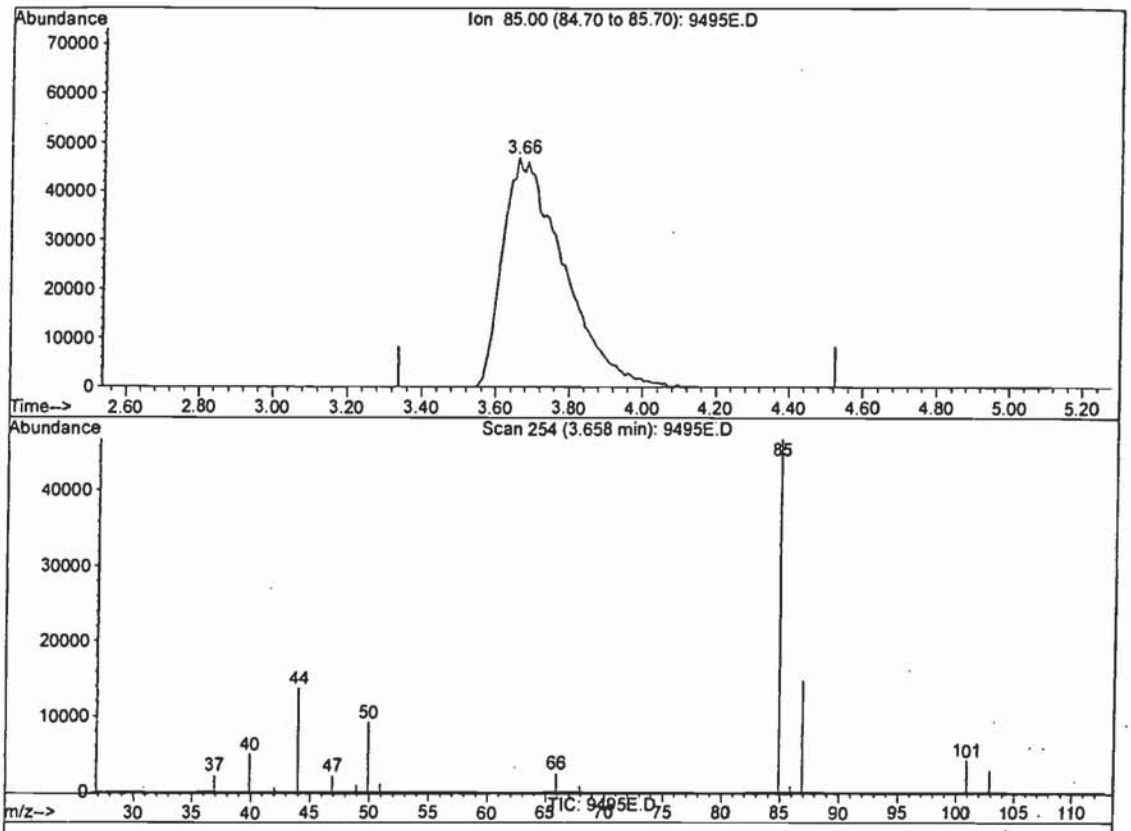
Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9495E.D 8260E1.M Thu Oct 05 06:11:58 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9495E.D Vial: 1
Acq On : 4 Oct 06 14:52 Operator: HAROLD
Sample : A747909 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 5 6:12 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.66min 30.32UG/L m

response 539739

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

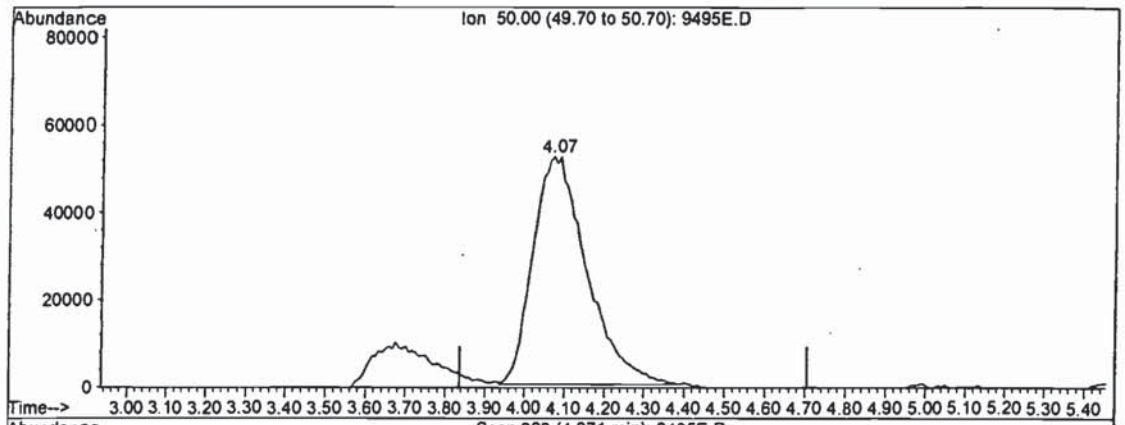
9495E.D 8260E1.M Thu Oct 05 06:12:03 2006

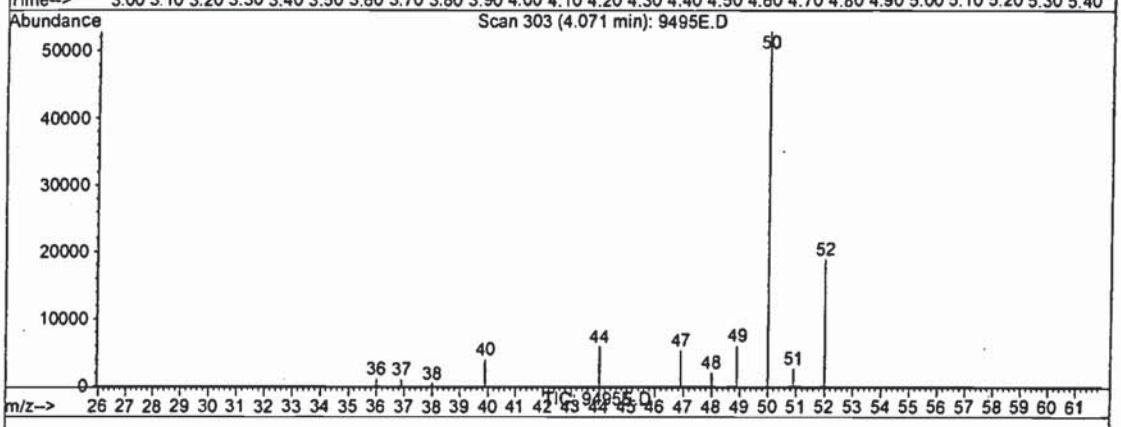
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9495E.D
Acq On : 4 Oct 06 14:52
Sample : A747909 MS
Misc :
Quant Time: Oct 5 6:12 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(3) Chloromethane (P)

4.07min 33.53UG/L

response 486886

Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

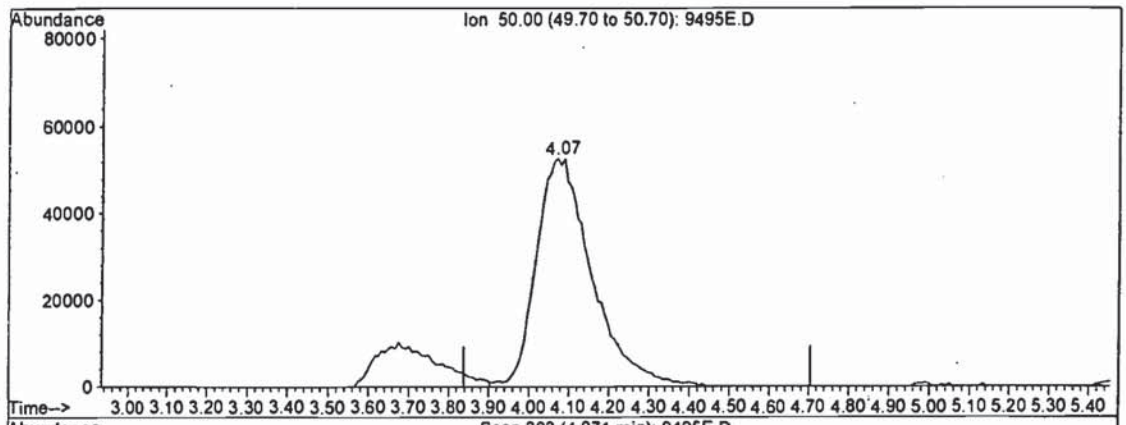
9495E.D 8260E1.M Thu Oct 05 06:12:09 2006

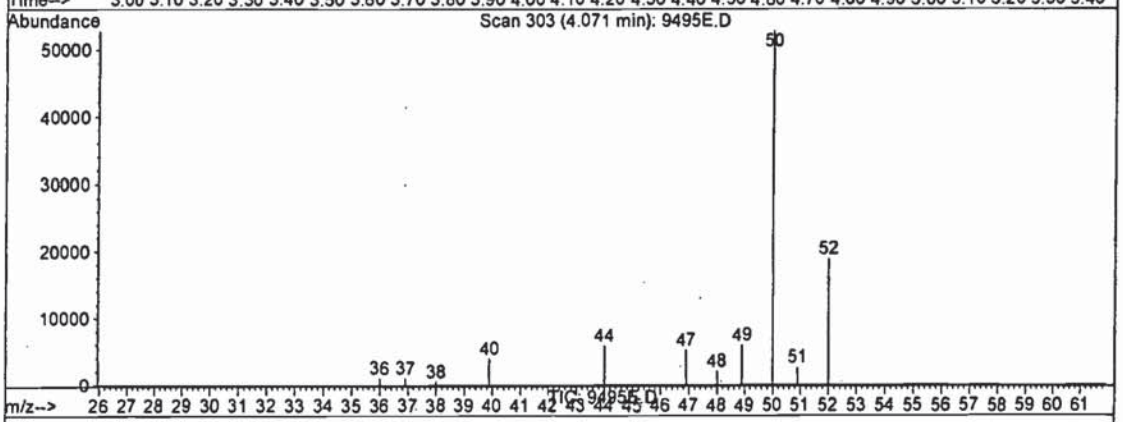
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9495E.D
Acq On : 4 Oct 06 14:52
Sample : A747909 MS
Misc :
Quant Time: Oct 5 6:12 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(3) Chloromethane (P)

4.07min 35.22UG/L m

response 511468

Ion	Exp%	Act%
50.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9495E.D 8260E1.M Thu Oct 05 06:12:14 2006

R509893 Heritage Environmental Services, LLC Q1888988

QC Report

QCType DPS01 Duplicate SampleID A747909 DataFile 9496E.D
Date Entered 05Oct06 Duplicate QCSampleID Q1888987 Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 15:30:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	39		78	14
217	CARBON TETRACHLORIDE	0	50	41.5		83	20.3
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	25.1		50.2	10
21	1,2-DICHLOROETHANE	0	50	41.7		83.3	10.6
8	1,1-DICHLOROETHENE	0	50	44.3		88.7	14.8
2	1,1,1-TRICHLOROETHANE	0	50	42.7		85.3	18.4
750	TRICHLOROETHENE	360	50		NQR		
768	VINYL CHLORIDE	0	50	41.1		82.2	15.2
193	BROMOBENZENE	0	50	29.7		59.3	11.8
195	BROMODICHLOROMETHANE	0	50	36.8		73.7	14.6
197	BROMOFORM	0	50	30.5		61	10.5
198	BROMOMETHANE	0	50	41.3		82.5	12.9
231	CHLOROBENZENE	0	50	31.4		62.7	14.7
295	DIBROMOCHLOROMETHANE	0	50	33.6		67.2	11.3
234	CHLOROETHANE	0	50	43.5		87	9.6
235	CHLOROFORM	0	50	41.9		83.7	15
236	CHLOROMETHANE	0	50	40.7		81.5	14.6
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	33.2		66.4	12
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	31.1		62.1	16.8
296	DIBROMOMETHANE	0	50	39.4		78.7	11.8
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	27.1		54.1	9.9
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	25.4		50.8	9.5
746	TRANS-1,2-DICHLOROETHENE	0	50	43.5		86.9	16.6
246	CIS-1,2-DICHLOROETHENE	0	50	42.9		85.7	11.2
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	7.6	50	48.1		81	10.1
7	1,1-DICHLOROETHANE	0	50	40.2		80.3	14.4
10	1,1-DICHLOROPROPENE	0	50	37.4		74.8	17.3
23	1,2-DICHLOROPROPANE	0	50	34.4		68.9	16.3
27	1,3-DICHLOROPROPANE	0	50	33.6		67.2	10.8
247	CIS-1,3-DICHLOROPROPENE	0	50	32.4		64.8	14.6
747	TRANS-1,3-DICHLOROPROPENE	0	50	29.8		59.6	16.7
349	ETHYL BENZENE	0	50	33.8		67.5	16
680	STYRENE	0	50	29.1		58.3	15.3
4	1,1,2-TRICHLOROETHANE	0	50	34.8		69.6	11.7
1	1,1,1,2-TETRACHLOROETHANE	0	50	37.6		75.1	10.5
3	1,1,2,2-TETRACHLOROETHANE	0	50	31.4		62.8	4.7
703	TETRACHLOROETHENE	0	50	39.6		79.1	17.8
14	1,2,3-TRICHLOROPROPANE	0	50	35.4		70.7	2.9
724	TOLUENE	0	50	34.3		68.7	17.4
492	M/P-XYLENE	0	100	66.8		66.8	16.7
549	O-XYLENE	0	50	33.7		67.3	13.7
194	BROMOCHLOROMETHANE	0	50	45.1		90.2	8.4
519	N-BUTYLBENZENE	0	50	29.4		58.7	17.4
300	DICHLORODIFLUOROMETHANE	0	50	36.5		73	18.6

R509893 Heritage Environmental Services, LLC Q1888988

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	46		92	20
398	HEXACHLOROBUTADIENE	0	50	31.1		62.1	20
432	ISOPROPYLBENZENE (CUMENE)	0	50	36.8		73.6	12.9
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	35.5		71	12.4
493	NAPHTHALENE	0	50	16.5		32.9	15
532	N-PROPYLBENZENE	0	50	33.8		67.5	14.5
644	SEC-BUTYLBENZENE	0	50	36.4		72.8	16.5
702	TERT-BUTYLBENZENE	0	50	39.5		78.9	10.7
13	1,2,3-TRICHLOROBENZENE	0	50	15.6		31.2	4.3
16	1,2,4-TRICHLOROBENZENE	0	50	16		31.9	7.5
17	1,2,4-TRIMETHYLBENZENE	0	50	33		65.9	11.4
25	1,3,5-TRIMETHYLBENZENE	0	50	35.3		70.5	10.9
105	ACROLEIN	0	250	264		105.5	7
99	ACETONE (2-PROPANONE)	0	50	45.5		91	5.1
106	ACRYLONITRILE	0	250	95		38	8.6
216	CARBON DISULFIDE	0	50	41.3		82.6	18.5
767	VINYL ACETATE	0	50	51.3		102.6	9.9
52	2-BUTANONE	0	50	40.4		80.7	6.1
91	4-METHYL-2-PENTANONE	0	50	34.5		69	9.1
60	2-HEXANONE	0	50	30.6		61.2	8.7
54	2-CHLOROETHYLVINYLETHER	0	50	33		66.1	11.4
18	1,2-DIBROMOETHANE (EDB)	0	50	31.1		62.1	11.2
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	26		51.9	3.7
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	51.6		103.3	8.1
422	IODOMETHANE	0	50	40.1		80.3	19.8
709	TETRAHYDROFURAN	0	250	206		82.4	5.2
803	XYLENES (O/M/P-XYLENE)	0	150	100.5		67	15.6

Qualifiers

NQR No QC Result. High Sample Concentration.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9496E.D
Acq On : 4 Oct 06 15:30
Sample : A747909 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1823752	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1228704	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.59	152	615880	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.21	65	758484	51.26 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 102.52%#		
44) Toluene-d8	15.32	98	1574149	48.53 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 97.06%#		
47) Dibromofluoromethane	10.52	113	1204596	51.71 UG/L	0.05
Spiked Amount 50.000			Recovery = 103.42%		
50) 4-Bromofluorobenzene	20.69	95	1213545	45.55 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 91.10%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	676601	36.49 UG/L	100
3) Chloromethane	4.06	50	616100m	40.74 UG/L	100
4) VINYL CHLORIDE	4.23	62	578921	41.12 UG/L	97
5) Bromomethane	4.81	94	388219	41.27 UG/L	99
6) Chloroethane	5.00	64	318030	43.52 UG/L #	76
7) Trichlorofluoromethane	5.50	101	938403	46.02 UG/L	99
8) Acrolein	7.78	56	103299	263.76 UG/L	100
9) Diethyl Ether	6.02	59	405527	46.40 UG/L	100
10) Trichlorotrifluoroethane	6.41	101	1025387	45.03 UG/L #	100
11) Acetone	6.54	43	217730	45.52 UG/L	91
12) 1,1-DICHLOROETHENE	6.43	96	521721	44.33 UG/L	100
13) Methylene Chloride	7.29	84	733568	48.12 UG/L	87
14) Acrylonitrile	7.76	53	320645	94.96 UG/L	100
15) Carbon Disulfide	6.85	76	1689336	41.33 UG/L	98
16) Vinyl Acetate	7.78	43	575105	51.31 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	570170	43.45 UG/L #	69
18) 1,1-Dichloroethane	8.54	63	1207756	40.15 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1348229	51.63 UG/L	100
20) Diispropyl Ether	8.63	45	2896934	40.02 UG/L	100
21) 2-Butanone	9.72	43	1248813m	40.37 UG/L	59
22) Ethyl Acetate	9.74	88	25242	50.13 UG/L #	100
23) cis-1,2-Dichloroethene	9.61	96	613080	42.85 UG/L #	46

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9496E.D
Acq On : 4 Oct 06 15:30
Sample : A747909 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.21	83	1193268	41.87 UG/L	96
25) Bromochloromethane	10.08	128	441641	45.11 UG/L	91
26) 2,2-Dichloropropane	9.63	77	805480	41.93 UG/L #	100
27) Tetrahydrofuran	10.18	42	591306	206.01 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	895446	42.65 UG/L #	100
29) Iodomethane	6.73	142	1289696	40.13 UG/L	100
30) 1,1-Dichloropropene	10.90	75	794616	37.41 UG/L #	100
32) Carbon Tetrachloride	10.93	117	797605	41.50 UG/L	92
33) 1,2-Dichloroethane	11.36	62	820942	41.67 UG/L #	100
34) Isobutanol	11.11	43	4519297	7967.43 UG/L	100
35) Benzene	11.33	78	1291674	38.99 UG/L	100
36) N-Butanol	12.45	43	1583900	5624.03 UG/L	100
37) Trichloroethene	12.63	130	3142847	206.78 UG/L	98
38) 1,2-DICHLOROPROPANE	13.12	63	693257	34.44 UG/L	100
39) Bromodichloromethane	13.69	83	1118173	36.83 UG/L	99
40) Dibromomethane	13.37	93	653418	39.37 UG/L	99
41) 2-Chloroethylvinylether	14.34	63	332577	33.04 UG/L #	100
42) 4-Methyl-2-Pentanone	15.04	43	866073	34.50 UG/L	93
43) cis-1,3-Dichloropropene	14.69	75	793725	32.42 UG/L	100
45) TOLUENE	15.47	91	1233031	34.34 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	570015	29.81 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	483327	34.80 UG/L	100
49) 1,2-Dibromoethane	17.57	107	655045	31.06 UG/L #	100
52) 2-Hexanone	16.97	43	512957	30.58 UG/L #	90
53) 1,3-Dichloropropane	16.80	76	731584	33.60 UG/L	100
54) Tetrachloroethene	16.76	166	689009	39.57 UG/L	97
55) Dibromochloromethane	17.30	129	747320	33.58 UG/L	100
56) Chlorobenzene	18.57	112	776745	31.37 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.72	131	525075	37.57 UG/L	100
58) ETHYL BENZENE	18.78	106	354993	33.75 UG/L	93
59) m,p-Xylene	19.02	106	806053	66.78 UG/L #	73
60) o-Xylene	19.76	106	411667	33.67 UG/L	80
61) Styrene	19.78	104	585362	29.13 UG/L #	37
62) Bromoform	20.13	173	594522	30.52 UG/L	100
64) Isopropylbenzene	20.42	105	1051639	36.78 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	661639	31.41 UG/L #	100
66) Bromobenzene	20.96	77	1010347	29.65 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9496E.D
Acq On : 4 Oct 06 15:30
Sample : A747909 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	147337	35.37 UG/L	100
68) n-Propylbenzene	21.12	92	151407	33.75 UG/L	87
69) 1,3,5-Trimethylbenzene	21.42	105	735677	35.25 UG/L	100
70) 2-Chlorotoluene	21.29	126	279114	33.22 UG/L	100
71) 4-Chlorotoluene	21.47	126	243111	31.07 UG/L	100
72) t-Butylbenzene	21.95	119	929379	39.47 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	664950	32.97 UG/L	100
74) sec-Butylbenzene	22.30	105	1223540	36.41 UG/L	100
75) p-Isopropyltoluene	22.52	119	717780	35.49 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	436084	27.07 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	421495	25.10 UG/L	100
78) n-Butylbenzene	23.14	92	396796	29.37 UG/L	95
79) 1,2-Dichlorobenzene	23.21	146	420851	25.41 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	134988	25.96 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	145345	15.97 UG/L	100
82) Naphthalene	26.38	128	229685	16.45 UG/L	100
83) Hexachlorobutadiene	26.16	225	318922	31.06 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	130980	15.61 UG/L	100

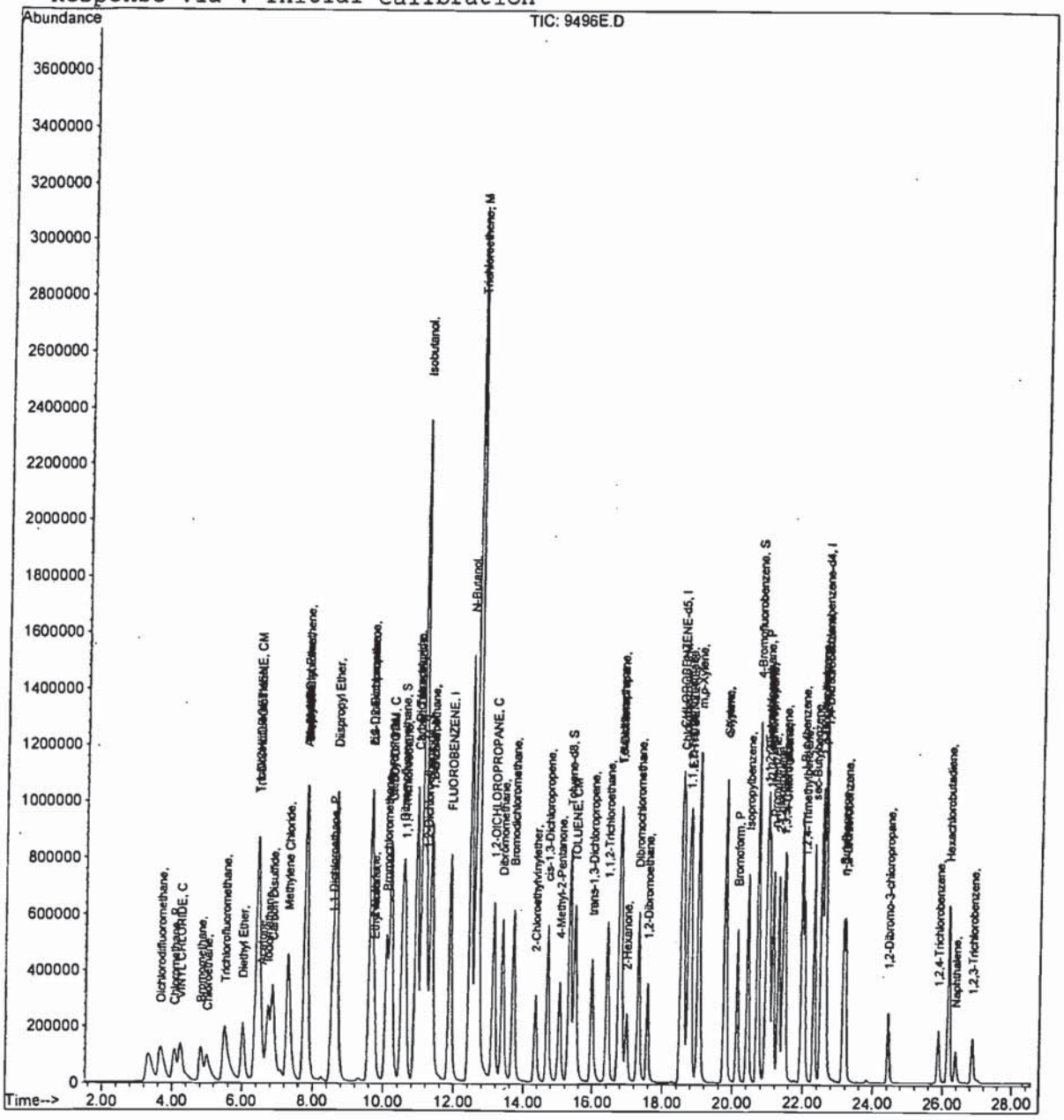
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9496E.D
Acq On : 4 Oct 06 15:30
Sample : A747909 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



R509893

Heritage Environmental Services, LLC

Q1888515

QC Report

QCType SPI02
Date Entered 04Oct06
Analysis Date/Time 04Oct06 16:08:00

Duplicate SampleID A747905
Duplicate QCSampleID
Method 309 Matrix 5

DataFile 9497E.D
Analyst 1365 H. WILLIAMS
Units mg/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	6.25	5.58		89.3	
217	CARBON TETRACHLORIDE	0	6.25	5.92		94.7	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	6.25	5.9		94.4	
21	1,2-DICHLOROETHANE	0	6.25	5.51		88.2	
8	1,1-DICHLOROETHENE	0	6.25	5.07		81.1	
2	1,1,1-TRICHLOROETHANE	0	6.25	5.9		94.4	
750	TRICHLOROETHENE	0	6.25	6.03		96.5	
768	VINYL CHLORIDE	0	6.25	6.31		101	
193	BROMOBENZENE	0	6.25	5.85		93.6	
195	BROMODICHLOROMETHANE	0	6.25	6.18		98.9	
197	BROMOFORM	0	6.25	6.63		106.1	
198	BROMOMETHANE	0	6.25	2.2		35.2	
231	CHLOROBENZENE	0	6.25	6.22		99.5	
295	DIBROMOCHLOROMETHANE	0	6.25	6.19		99	
234	CHLOROETHANE	0	6.25	1.66		26.6	
235	CHLOROFORM	0	6.25	5.78		92.5	
236	CHLOROMETHANE	0	6.25	4.85		77.6	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	6.25	5.94		95	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	6.25	6.05		96.8	
296	DIBROMOMETHANE	0	6.25	6.13		98.1	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	6.25	6.1		97.6	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	6.25	6.15		98.4	
746	TRANS-1,2-DICHLOROETHENE	0	6.25	5.75		92	
246	CIS-1,2-DICHLOROETHENE	20	6.25	24.6		73.6	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	6.25	5.45		87.2	
7	1,1-DICHLOROETHANE	0	6.25	5.56		89	
10	1,1-DICHLOROPROPENE	0	6.25	5.79		92.6	
23	1,2-DICHLOROPROPANE	0	6.25	5.75		92	
27	1,3-DICHLOROPROPANE	0	6.25	5.97		95.5	
247	CIS-1,3-DICHLOROPROPENE	0	6.25	5.91		94.6	
747	TRANS-1,3-DICHLOROPROPENE	0	6.25	6.02		96.3	
349	ETHYL BENZENE	0	6.25	5.97		95.5	
680	STYRENE	0	6.25	6.26		100.2	
4	1,1,2-TRICHLOROETHANE	0	6.25	6.39		102.2	
1	1,1,1,2-TETRACHLOROETHANE	0	6.25	6.32		101.1	
3	1,1,2,2-TETRACHLOROETHANE	0	6.25	5.64		90.2	
703	TETRACHLOROETHENE	0	6.25	6.41		102.6	
14	1,2,3-TRICHLOROPROPANE	0	6.25	5.81		93	
724	TOLUENE	0	6.25	6.27		100.3	
492	M/P-XYLENE	0	12.5	12.1		96.8	
549	O-XYLENE	0	6.25	6.31		101	
194	BROMOCHLOROMETHANE	0	6.25	6.02		96.3	
519	N-BUTYLBENZENE	0	6.25	5.71		91.4	
300	DICHLORODIFLUOROMETHANE	0	6.25	4.45		71.2	

10/5/06

R509893 Heritage Environmental Services, LLC Q1888515

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	6.25	1.7	!	27.2	
398	HEXACHLOROBUTADIENE	0	6.25	6.07		97.1	
432	ISOPROPYLBENZENE (CUMENE)	0	6.25	5.91		94.6	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25	5.92		94.7	
493	NAPHTHALENE	0	6.25	6.85		109.6	
532	N-PROPYLBENZENE	0	6.25	5.79		92.6	
644	SEC-BUTYLBENZENE	0	6.25	5.94		95	
702	TERT-BUTYLBENZENE	0	6.25	6.16		98.6	
13	1,2,3-TRICHLOROBENZENE	0	6.25	6.61		105.8	
16	1,2,4-TRICHLOROBENZENE	0	6.25	6.38		102.1	
17	1,2,4-TRIMETHYLBENZENE	0	6.25	6.2		99.2	
25	1,3,5-TRIMETHYLBENZENE	0	6.25	6.11		97.8	
105	ACROLEIN	0	31.3	28.3		90.4	
99	ACETONE (2-PROPANONE)	0	6.25	4.92		78.7	
106	ACRYLONITRILE	0	31.3	.784		2.5	
216	CARBON DISULFIDE	0	6.25	4.66		74.6	
767	VINYL ACETATE	0	6.25	5.8		92.8	
52	2-BUTANONE	0	6.25	5.12		81.9	
91	4-METHYL-2-PENTANONE	0	6.25	5.2		83.2	
60	2-HEXANONE	0	6.25	4.93		78.9	
54	2-CHLOROETHYLVINYLETHER	0	6.25	5.69		91	
18	1,2-DIBROMOETHANE (EDB)	0	6.25	6.43		102.9	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	6.25	6.02		96.3	
859	METHYL-T-BUTYL ETHER (MTBE)	0	6.25	5.91		94.6	
422	IODOMETHANE	0	6.25	4.87		77.9	
709	TETRAHYDROFURAN	0	31.3	24.7		78.9	

Qualifiers

! Outside Lab Generated Control Limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.85	96	1821573	50.00 UG/L	0.02
51) CHLOROBENZENE-d5	18.52	117	1323408	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.60	152	768132	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.17	65	722076	48.86 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 97.72%#		
44) Toluene-d8	15.30	98	1624924	50.16 UG/L	0.04
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.32%#		
47) Dibromofluoromethane	10.50	113	1104860	47.48 UG/L	0.03
Spiked Amount 50.000			Recovery = 94.96%		
50) 4-Bromofluorobenzene	20.71	95	1406294	52.85 UG/L	0.05
Spiked Amount 50.000	Range 43 - 58		Recovery = 105.70%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.72	85	658532m	35.56 UG/L	100
3) Chloromethane	4.05	50	585941	38.79 UG/L	100
4) VINYL CHLORIDE	4.26	62	710307m	50.51 UG/L	33
5) Bromomethane	4.76	94	195048	17.59 UG/L	97
6) Chloroethane	5.02	64	96644m	13.24 UG/L	76
7) Trichlorofluoromethane	5.26	101	277190m	13.61 UG/L	0
8) Acrolein	7.77	56	88675	226.69 UG/L	100
9) Diethyl Ether	5.94	59	308912	35.39 UG/L	100
10) Trichlorotrifluoroethane	6.22	101	940125	41.33 UG/L #	100
11) Acetone	6.57	43	188029m	39.36 UG/L	86
12) 1,1-DICHLOROETHENE	6.25	96	476384	40.53 UG/L	100
13) Methylene Chloride	7.23	84	673125	43.62 UG/L	85
14) Acrylonitrile	7.79	53	21139	6.27 UG/L	100
15) Carbon Disulfide	6.69	76	1533520	37.26 UG/L	98
16) Vinyl Acetate	7.78	43	519723	46.42 UG/L	100
17) trans-1,2-Dichloroethene	7.69	96	603291	46.02 UG/L #	70
18) 1,1-Dichloroethane	8.49	63	1335446	44.45 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	1233344	47.29 UG/L	100
20) Diispropyl Ether	8.64	45	3131390	43.31 UG/L	100
21) 2-Butanone	9.72	43	1265877	40.97 UG/L #	59
22) Ethyl Acetate	9.73	88	25820	51.35 UG/L #	100
23) cis-1,2-Dichloroethene	9.58	96	2811539	196.74 UG/L #	67

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D Vial: 1
Acq On : 4 Oct 06 16:08 Operator: HAROLD
Sample : A747905 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.18	83	1316153	46.24 UG/L	98
25) Bromochloromethane	10.05	128	471195	48.18 UG/L	88
26) 2,2-Dichloropropane	9.59	77	799955	41.69 UG/L #	100
27) Tetrahydrofuran	10.20	42	566797	197.71 UG/L	100
28) 1,1,1-Trichloroethane	10.55	97	988942	47.16 UG/L #	100
29) Iodomethane	6.58	142	1251217	38.98 UG/L	100
30) 1,1-Dichloropropene	10.86	75	982475	46.31 UG/L #	100
32) Carbon Tetrachloride	10.88	117	909004	47.35 UG/L	94
33) 1,2-Dichloroethane	11.33	62	866767	44.05 UG/L #	100
35) Benzene	11.29	78	1476399	44.61 UG/L	100
36) N-Butanol	12.60	43	1382664	4915.37 UG/L	100
37) Trichloroethene	12.61	130	732644	48.26 UG/L	99
38) 1,2-DICHLOROPROPANE	13.11	63	924802	46.00 UG/L	100
39) Bromodichloromethane	13.69	83	1499616	49.46 UG/L	99
40) Dibromomethane	13.36	93	813255	49.06 UG/L	98
41) 2-Chloroethylvinylether	14.33	63	457956	45.55 UG/L #	100
42) 4-Methyl-2-Pentanone	15.11	43	1042777	41.58 UG/L	91
43) cis-1,3-Dichloropropene	14.67	75	1157004	47.31 UG/L	100
45) TOLUENE	15.46	91	1797627	50.12 UG/L	100
46) trans-1,3-Dichloropropene	15.98	75	919825	48.16 UG/L	100
48) 1,1,2-Trichloroethane	16.43	97	709362	51.14 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1084028	51.45 UG/L #	100
52) 2-Hexanone	17.03	43	711926	39.40 UG/L #	90
53) 1,3-Dichloropropane	16.81	76	1119139	47.72 UG/L	100
54) Tetrachloroethene	16.75	166	961336	51.26 UG/L	95
55) Dibromochloromethane	17.32	129	1187566	49.54 UG/L	100
56) Chlorobenzene	18.58	112	1326212	49.74 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.74	131	761008	50.55 UG/L	100
58) ETHYL BENZENE	18.79	106	540642	47.73 UG/L	89
59) m,p-Xylene	19.02	106	1257414	96.72 UG/L #	73
60) o-Xylene	19.76	106	664377	50.45 UG/L	82
61) Styrene	19.79	104	1083144	50.05 UG/L #	42
62) Bromoform	20.15	173	1113293	53.06 UG/L	100
64) Isopropylbenzene	20.43	105	1686387	47.29 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.95	83	1185290	45.12 UG/L #	100
66) Bromobenzene	20.98	77	1989132	46.80 UG/L	100
67) 1,2,3-Trichloropropane	21.03	110	241563	46.50 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68) n-Propylbenzene	21.14	92	259071	46.30 UG/L	88
69) 1,3,5-Trimethylbenzene	21.42	105	1272005	48.87 UG/L	100
70) 2-Chlorotoluene	21.29	126	497945	47.52 UG/L	100
71) 4-Chlorotoluene	21.48	126	472029	48.37 UG/L	100
72) t-Butylbenzene	21.96	119	1447652	49.29 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	1247681	49.60 UG/L	100
74) sec-Butylbenzene	22.30	105	1993057	47.55 UG/L	100
75) p-Isopropyltoluene	22.52	119	1194759	47.37 UG/L	100
76) 1,3-Dichlorobenzene	22.50	146	980946	48.83 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	989234	47.23 UG/L	100
78) n-Butylbenzene	23.14	92	770089	45.70 UG/L	95
79) 1,2-Dichlorobenzene	23.21	146	1015669	49.17 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.44	157	312492	48.18 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	579073	51.01 UG/L	100
82) Naphthalene	26.38	128	954008	54.80 UG/L	100
83) Hexachlorobutadiene	26.17	225	622244	48.58 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	553657	52.89 UG/L	100

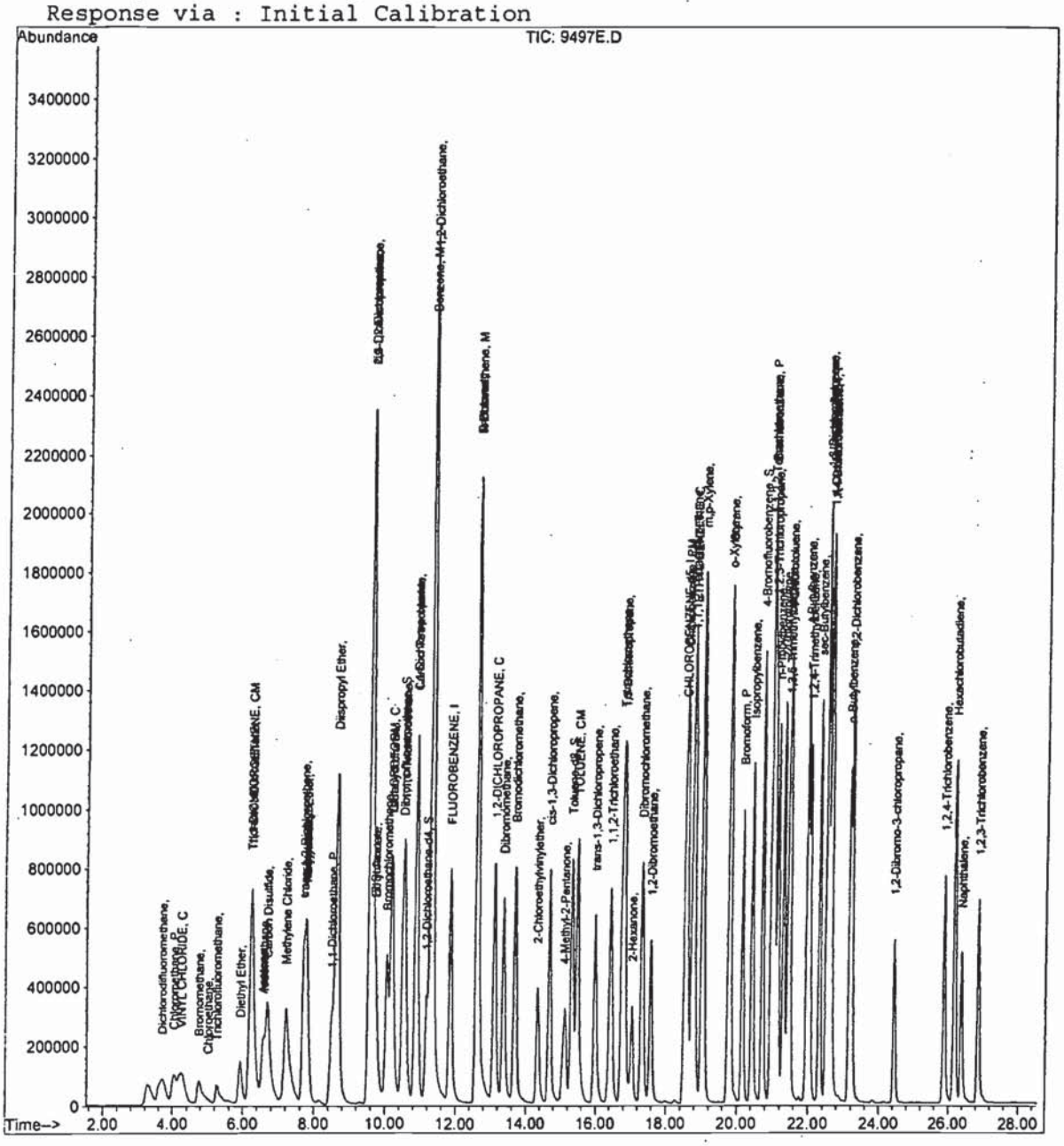
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

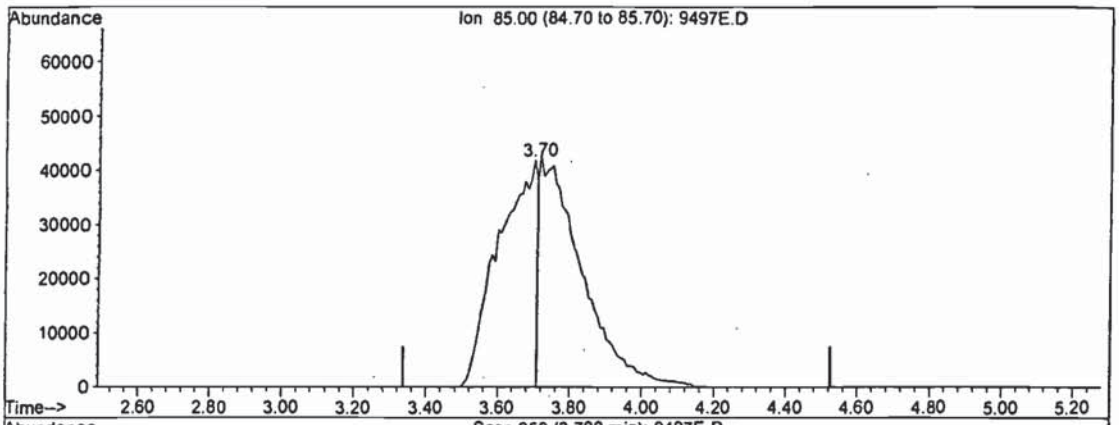


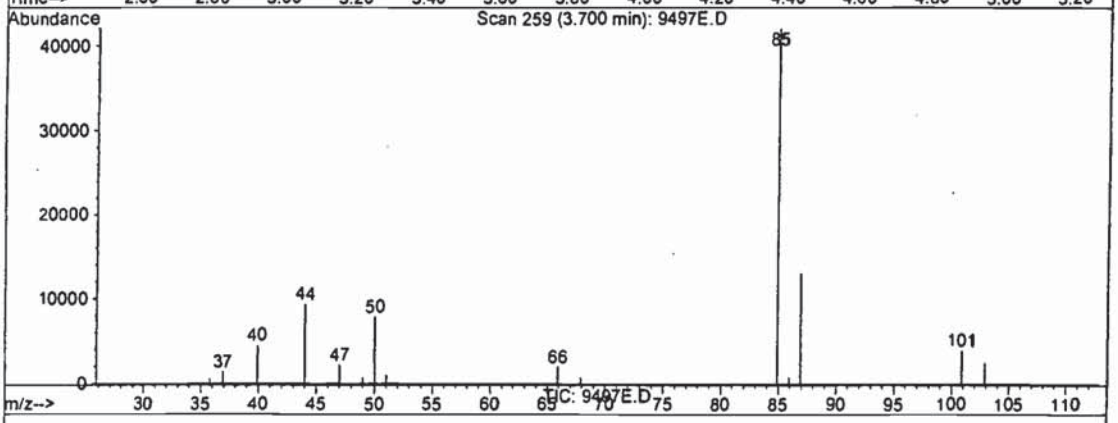
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 4 16:36 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.70min 16.87UG/L

response 312475

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

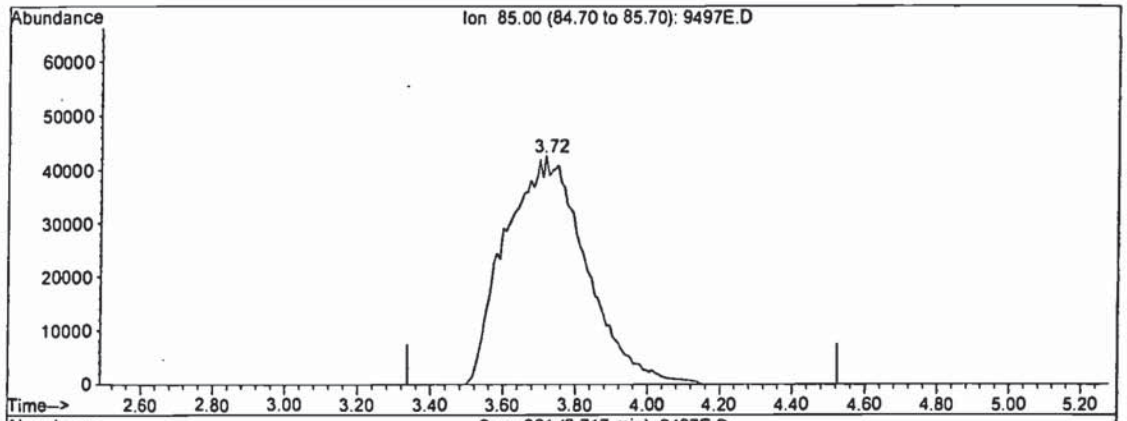
9497E.D 8260E1.M Thu Oct 05 06:13:38 2006

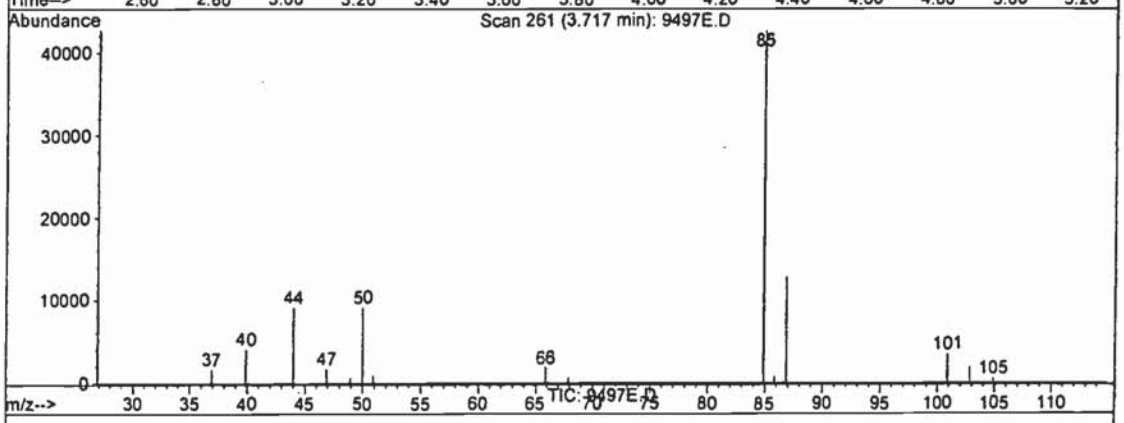
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.72min 35.56UG/L m

response 658532

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

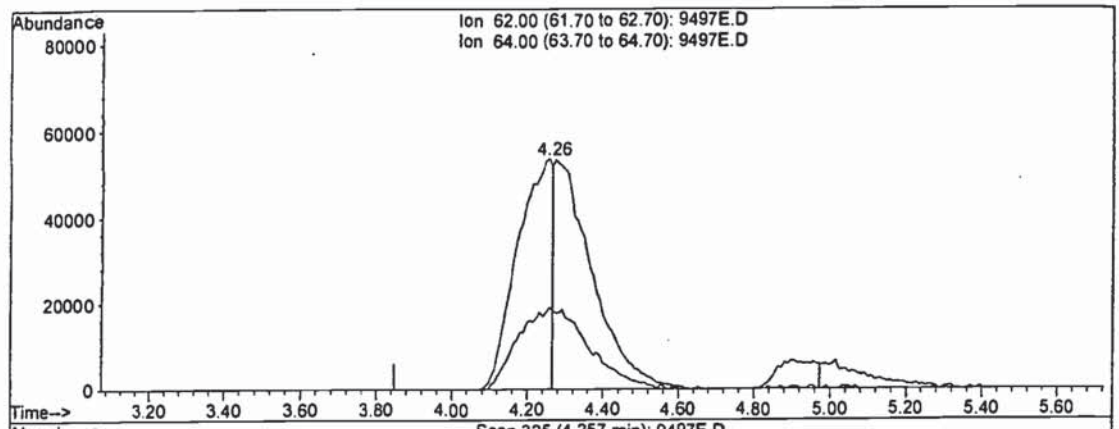
9497E.D 8260E1.M Thu Oct 05 06:13:43 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.26min 24.32UG/L

response 342023

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	71.08#
0.00	0.00	0.00
0.00	0.00	0.00

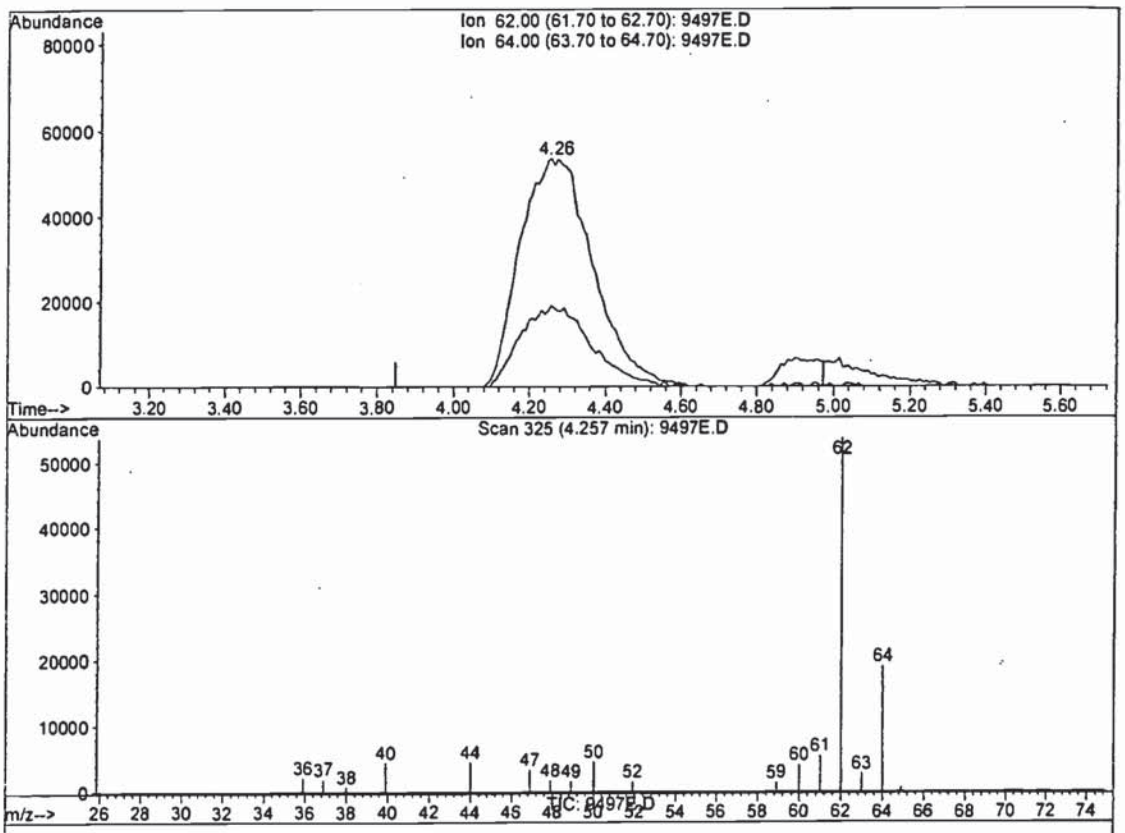
9497E.D 8260E1.M Thu Oct 05 06:13:49 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.26min 50.51UG/L m

response 710307

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	34.22
0.00	0.00	0.00
0.00	0.00	0.00

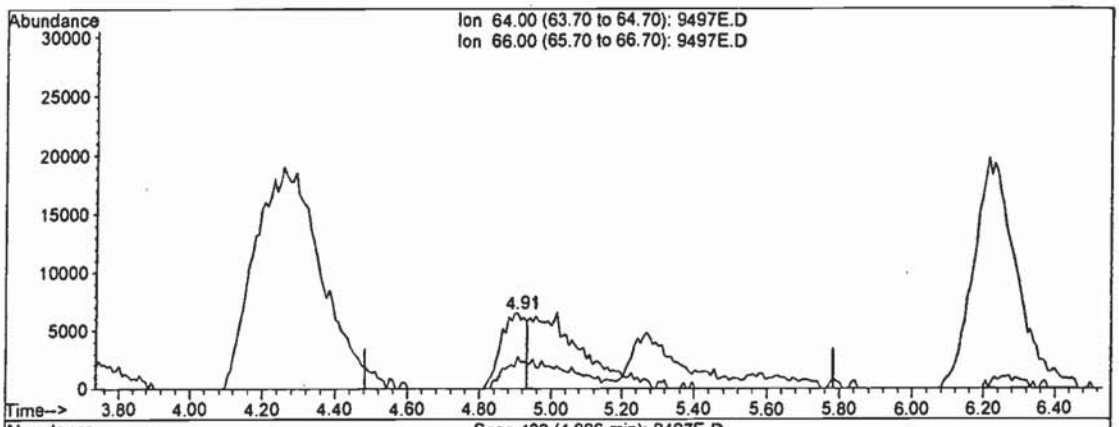
9497E.D 8260E1.M Thu Oct 05 06:13:54 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.91min 4.27UG/L

response 31184

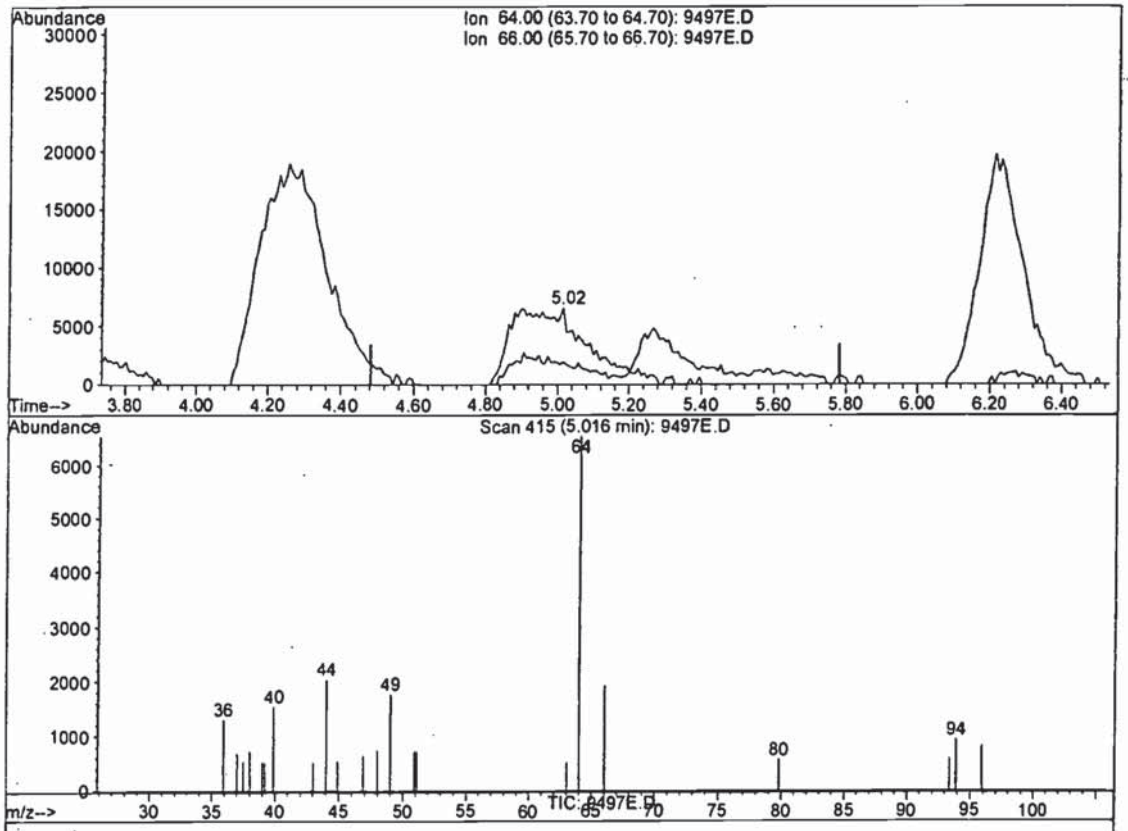
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	47.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.02min 13.24UG/L m

response 96644

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	15.42#
0.00	0.00	0.00
0.00	0.00	0.00

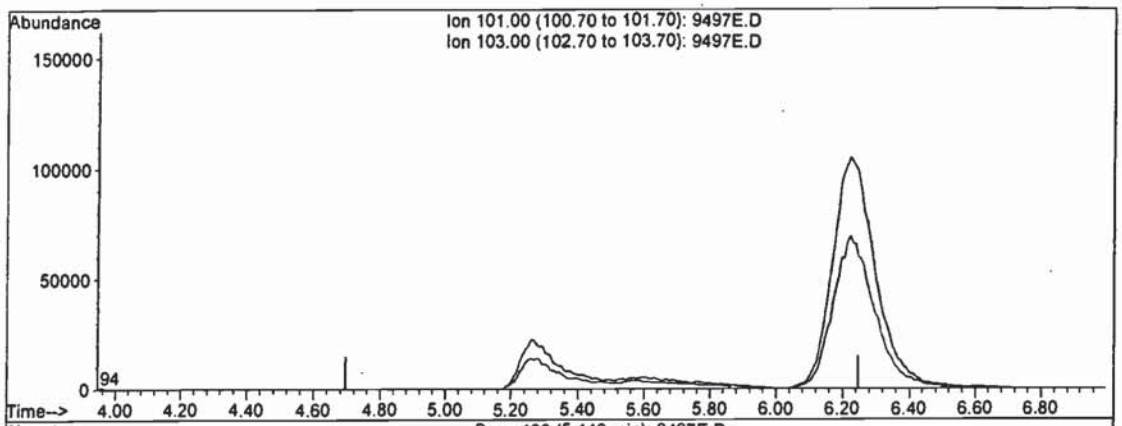
9497E.D 8260E1.M Thu Oct 05 06:14:06 2006

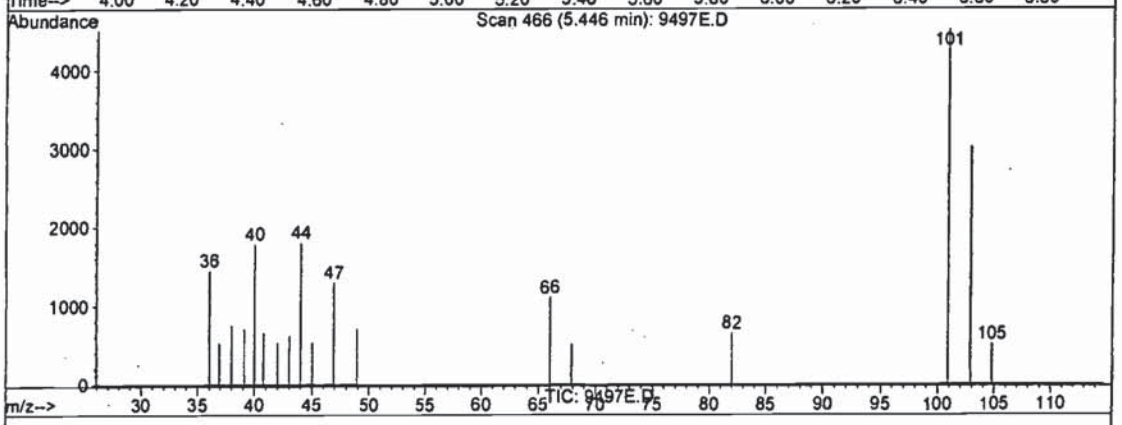
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.45min 0.00UG/L d

response 0

Ion	Exp%	Act%
101.00	100	0.00
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

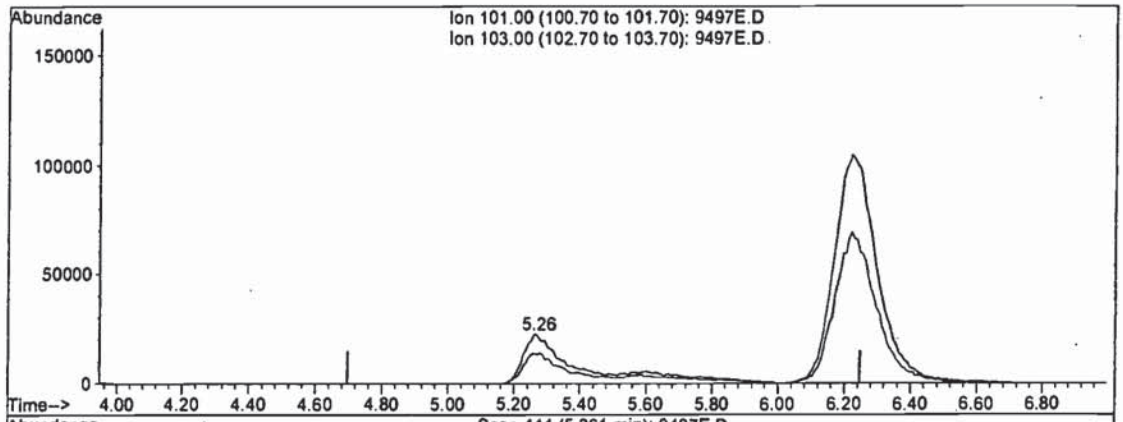
9497E.D 8260E1.M Thu Oct 05 06:14:11 2006

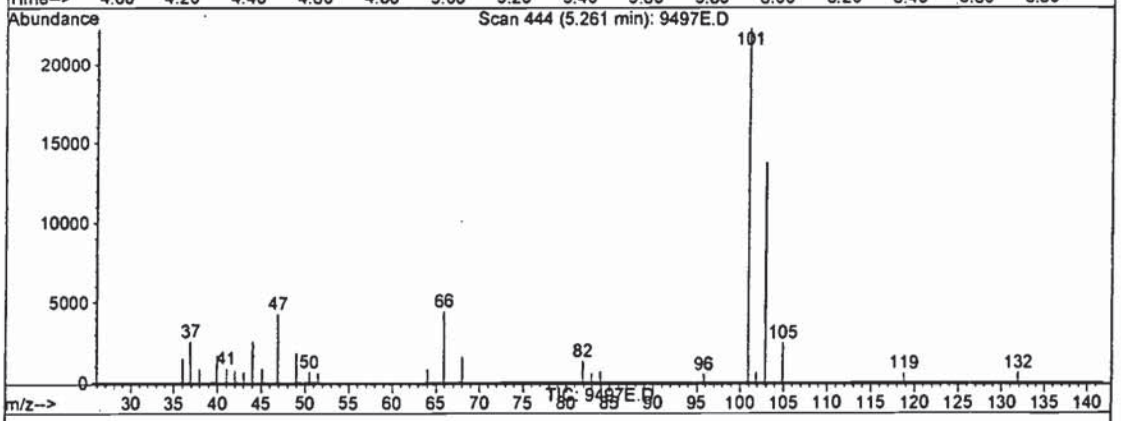
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.26min 13.61UG/L m

response 277190

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

9497E.D 8260E1.M Thu Oct 05 06:14:17 2006

R509893 Heritage Environmental Services, LLC Q1888516

QC Report

QCType DPS02 Duplicate SampleID A747905 DataFile 9498E.D
Date Entered 04Oct06 Duplicate QCSampleID Q1888515 Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 16:46:00 Method 309 Matrix 5 Units mg/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	6.25	5.93		94.8	6.1
217	CARBON TETRACHLORIDE	0	6.25	6.18		98.9	4.3
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	6.25	6.08		97.3	2.9
21	1,2-DICHLOROETHANE	0	6.25	5.95		95.2	7.7
8	1,1-DICHLOROETHENE	0	6.25	5.28		84.5	4.1
2	1,1,1-TRICHLOROETHANE	0	6.25	6.1		97.6	3.4
750	TRICHLOROETHENE	0	6.25	6.33		101.3	4.9
768	VINYL CHLORIDE	0	6.25	6.14		98.2	2.8
193	BROMOBENZENE	0	6.25	6.04		96.6	3.2
195	BROMODICHLOROMETHANE	0	6.25	6.25		100	1.1
197	BROMOFORM	0	6.25	6.64		106.3	.2
198	BROMOMETHANE	0	6.25	2.35		37.6	6.6
231	CHLOROBENZENE	0	6.25	6.2		99.2	.3
295	DIBROMOCHLOROMETHANE	0	6.25	6.22		99.5	.4
234	CHLOROETHANE	0	6.25	1.82		29.1	9.4
235	CHLOROFORM	0	6.25	6.01		96.2	3.9
236	CHLOROMETHANE	0	6.25	4.96		79.3	2.2
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	6.25	6.11		97.8	2.9
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	6.25	6.04		96.7	0
296	DIBROMOMETHANE	0	6.25	6.3		100.8	2.7
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	6.25	6.09		97.4	.3
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	6.25	6.15		98.4	.1
746	TRANS-1,2-DICHLOROETHENE	0	6.25	5.97		95.6	3.8
246	CIS-1,2-DICHLOROETHENE	20	6.25	21.3	!	20.8	111.9 RD 10/5/06
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	6.25	5.72		91.5	4.8
7	1,1-DICHLOROETHANE	0	6.25	5.72		91.5	2.9
10	1,1-DICHLOROPROPENE	0	6.25	5.97		95.6	3.2
23	1,2-DICHLOROPROPANE	0	6.25	5.94		95	3.2
27	1,3-DICHLOROPROPANE	0	6.25	6.07		97.1	1.8
247	CIS-1,3-DICHLOROPROPENE	0	6.25	5.97		95.5	.9
747	TRANS-1,3-DICHLOROPROPENE	0	6.25	6.1		97.6	1.3
349	ETHYL BENZENE	0	6.25	5.99		95.9	.4
680	STYRENE	0	6.25	6.24		99.9	.2
4	1,1,2-TRICHLOROETHANE	0	6.25	6.49		103.8	1.5
1	1,1,1,2-TETRACHLOROETHANE	0	6.25	6.41		102.6	1.5
3	1,1,2,2-TETRACHLOROETHANE	0	6.25	5.83		93.2	3.3
703	TETRACHLOROETHENE	0	6.25	6.47		103.5	1
14	1,2,3-TRICHLOROPROPANE	0	6.25	6.03		96.5	3.7
724	TOLUENE	0	6.25	6.33		101.3	1.1
492	M/P-XYLENE	0	12.5	12.2		97.4	.7
549	O-XYLENE	0	6.25	6.31		101	.1
194	BROMOCHLOROMETHANE	0	6.25	6.32		101.2	4.9
519	N-BUTYLBENZENE	0	6.25	5.68		90.8	.7
300	DICHLORODIFLUOROMETHANE	0	6.25	4.38		70.1	1.4

R509893 Heritage Environmental Services, LLC Q1888516

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	6.25	2.39		38.3	33.9
398	HEXACHLOROBUTADIENE	0	6.25	5.78		92.5	5
432	ISOPROPYLBENZENE (CUMENE)	0	6.25	6.12		97.9	3.4
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25	6.07		97.1	2.5
493	NAPHTHALENE	0	6.25	7.07		113.2	3.2
532	N-PROPYLBENZENE	0	6.25	5.91		94.6	2.1
644	SEC-BUTYLBENZENE	0	6.25	6.02		96.3	1.3
702	TERT-BUTYLBENZENE	0	6.25	6.37		102	3.4
13	1,2,3-TRICHLOROBENZENE	0	6.25	6.82		109.2	3.2
16	1,2,4-TRICHLOROBENZENE	0	6.25	6.33		101.3	.7
17	1,2,4-TRIMETHYLBENZENE	0	6.25	6.3		100.9	1.7
25	1,3,5-TRIMETHYLBENZENE	0	6.25	6.18		98.9	1.2
105	ACROLEIN	0	31.3	29.5		94.4	4
99	ACETONE (2-PROPANONE)	0	6.25	5.15		82.4	4.6
106	ACRYLONITRILE	0	31.3	.703		2.2	12.8
216	CARBON DISULFIDE	0	6.25	5.06		81	8.2
767	VINYL ACETATE	0	6.25	6.03		96.5	3.9
52	2-BUTANONE	0	6.25	5.42		86.8	5.8
91	4-METHYL-2-PENTANONE	0	6.25	5.33		85.2	2.4
60	2-HEXANONE	0	6.25	5.15		82.4	4.5
54	2-CHLOROETHYLVINYLETHER	0	6.25	5.86		93.7	2.8
18	1,2-DIBROMOETHANE (EDB)	0	6.25	6.57		105.1	2.1
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	6.25	6.36		101.7	5.4
859	METHYL-T-BUTYL ETHER (MTBE)	0	6.25	6.15		98.3	3.8
422	IODOMETHANE	0	6.25	5.26		84.1	7.5
709	TETRAHYDROFURAN	0	31.3	26.1		83.4	5.3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1788350	50.00 UG/L	0.03
51) CHLOROBENZENE-d5	18.52	117	1306971	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	738425	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.18	65	717374	49.44 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.88%#		
44) Toluene-d8	15.31	98	1596862	50.21 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.42%#		
47) Dibromofluoromethane	10.50	113	1111815	48.67 UG/L	0.03
Spiked Amount 50.000			Recovery = 97.34%		
50) 4-Bromofluorobenzene	20.70	95	1382337	52.91 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 105.82%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.72	85	637480m	35.06 UG/L	100
3) Chloromethane	4.05	50	587839m	39.64 UG/L	100
4) VINYL CHLORIDE	4.27	62	677685m	49.08 UG/L	21
5) Bromomethane	4.77	94	202667	18.79 UG/L	99
6) Chloroethane	4.90	64	104438m	14.57 UG/L	98
7) Trichlorofluoromethane	5.30	101	383018m	19.15 UG/L	0
8) Acrolein	7.77	56	90668	236.09 UG/L	100
9) Diethyl Ether	5.96	59	324063	37.82 UG/L	100
10) Trichlorotrifluoroethane	6.28	101	974004m	43.62 UG/L	100
11) Acetone	6.58	43	193289m	41.21 UG/L	88
12) 1,1-DICHLOROETHENE	6.31	96	487597	42.25 UG/L	100
13) Methylene Chloride	7.23	84	688404	45.74 UG/L	84
14) Acrylonitrile	7.78	53	18619	5.62 UG/L	100
15) Carbon Disulfide	6.74	76	1625485	40.49 UG/L	97
16) Vinyl Acetate	7.79	43	530336	48.25 UG/L	100
17) trans-1,2-Dichloroethene	7.71	96	614927	47.78 UG/L #	69
18) 1,1-Dichloroethane	8.51	63	1349905	45.76 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1259106	49.17 UG/L	100
20) Diispropyl Ether	8.63	45	3192182	44.98 UG/L	100
21) 2-Butanone	9.71	43	1315777	43.38 UG/L #	59
22) Ethyl Acetate	9.73	88	27209	55.19 UG/L #	100
23) cis-1,2-Dichloroethene	9.59	96	2394831	170.70 UG/L #	68

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.19	83	1344051	48.09 UG/L	98
25) Bromochloromethane	10.06	128	485671	50.59 UG/L	88
26) 2,2-Dichloropropane	9.59	77	821280	43.59 UG/L #	100
27) Tetrahydrofuran	10.20	42	586693	208.45 UG/L	100
28) 1,1,1-Trichloroethane	10.56	97	1005172	48.82 UG/L #	100
29) Iodomethane	6.62	142	1325317	42.05 UG/L	100
30) 1,1-Dichloropropene	10.88	75	995098	47.78 UG/L #	100
32) Carbon Tetrachloride	10.89	117	931742	49.44 UG/L	95
33) 1,2-Dichloroethane	11.33	62	919009	47.58 UG/L #	100
34) Isobutanol	11.26	43	4004086	7198.87 UG/L	100
35) Benzene	11.31	78	1539961	47.40 UG/L	100
36) N-Butanol	12.56	43	1437288	5204.48 UG/L	100
37) Trichloroethene	12.62	130	755104	50.66 UG/L	100
38) 1,2-DICHLOROPROPANE	13.11	63	937448	47.50 UG/L	100
39) Bromodichloromethane	13.69	83	1488243	49.99 UG/L	100
40) Dibromomethane	13.36	93	820377	50.41 UG/L	99
41) 2-Chloroethylvinylether	14.33	63	462463	46.85 UG/L #	100
42) 4-Methyl-2-Pentanone	15.08	43	1049145	42.62 UG/L	92
43) cis-1,3-Dichloropropene	14.68	75	1146781	47.77 UG/L	100
45) TOLUENE	15.46	91	1783814	50.66 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	915544	48.82 UG/L	100
48) 1,1,2-Trichloroethane	16.43	97	706613	51.88 UG/L	100
49) 1,2-Dibromoethane	17.56	107	1087335	52.57 UG/L #	100
52) 2-Hexanone	17.01	43	735376	41.21 UG/L #	90
53) 1,3-Dichloropropane	16.81	76	1124033	48.53 UG/L	100
54) Tetrachloroethene	16.75	166	958954	51.77 UG/L	96
55) Dibromochloromethane	17.31	129	1177556	49.74 UG/L	100
56) Chlorobenzene	18.58	112	1306477	49.61 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.73	131	762431	51.28 UG/L	100
58) ETHYL BENZENE	18.77	106	536281	47.94 UG/L	89
59) m,p-Xylene	19.01	106	1249947	97.35 UG/L #	73
60) o-Xylene	19.76	106	656810	50.50 UG/L	82
61) Styrene	19.78	104	1067157	49.93 UG/L #	40
62) Bromoform	20.14	173	1100979	53.13 UG/L	100
64) Isopropylbenzene	20.41	105	1677773	48.94 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	1176865	46.60 UG/L #	100
66) Bromobenzene	20.96	77	1972751	48.29 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.02	110	240916	48.24 UG/L	100
68) n-Propylbenzene	21.13	92	254385	47.29 UG/L	90
69) 1,3,5-Trimethylbenzene	21.42	105	1237200	49.45 UG/L	100
70) 2-Chlorotoluene	21.28	126	492364	48.88 UG/L	100
71) 4-Chlorotoluene	21.47	126	453603	48.35 UG/L	100
72) t-Butylbenzene	21.95	119	1439634	50.99 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	1219542	50.43 UG/L	100
74) sec-Butylbenzene	22.30	105	1939510	48.13 UG/L	100
75) p-Isopropyltoluene	22.51	119	1177561	48.56 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	940156	48.68 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	980089	48.67 UG/L	100
78) n-Butylbenzene	23.14	92	735419	45.40 UG/L	92
79) 1,2-Dichlorobenzene	23.21	146	977474	49.22 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	317212	50.87 UG/L	100
81) 1,2,4-Trichlorobenzene	25.86	180	552905	50.66 UG/L	100
82) Naphthalene	26.37	128	947013	56.59 UG/L	100
83) Hexachlorobutadiene	26.17	225	569169	46.23 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	549234	54.58 UG/L	100

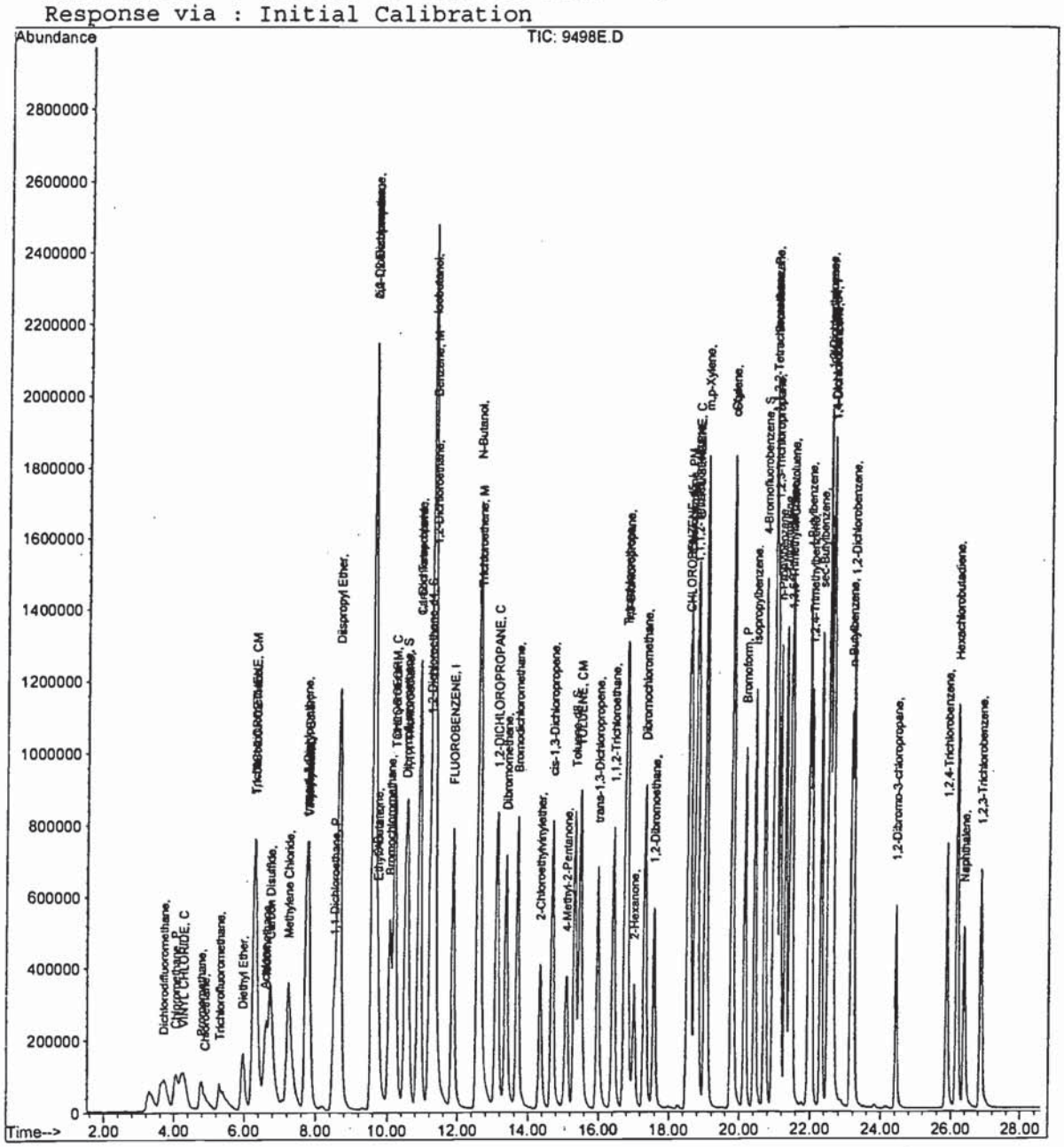
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

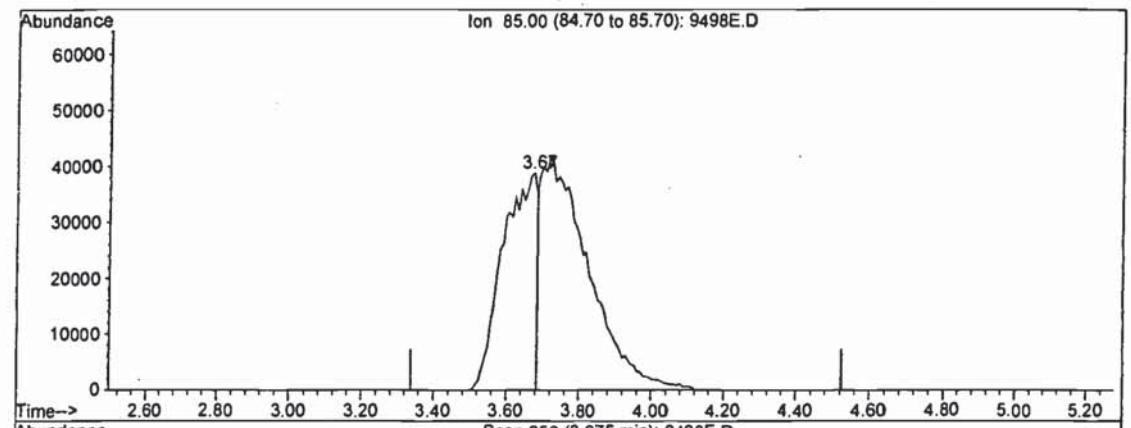


Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 4 17:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.67min 13.89UG/L

response 252549

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

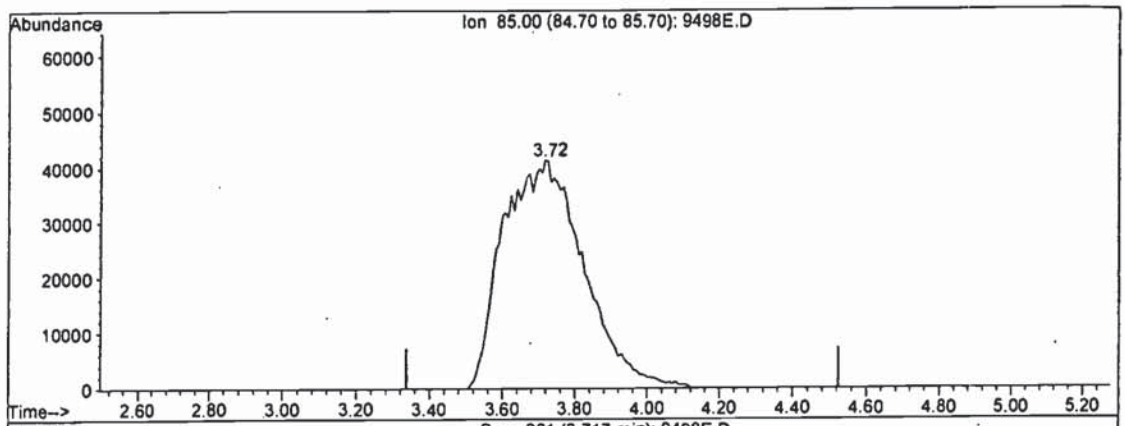
9498E.D 8260E1.M Thu Oct 05 06:08:53 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:08 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.72min 35.06UG/L m

response 637480

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

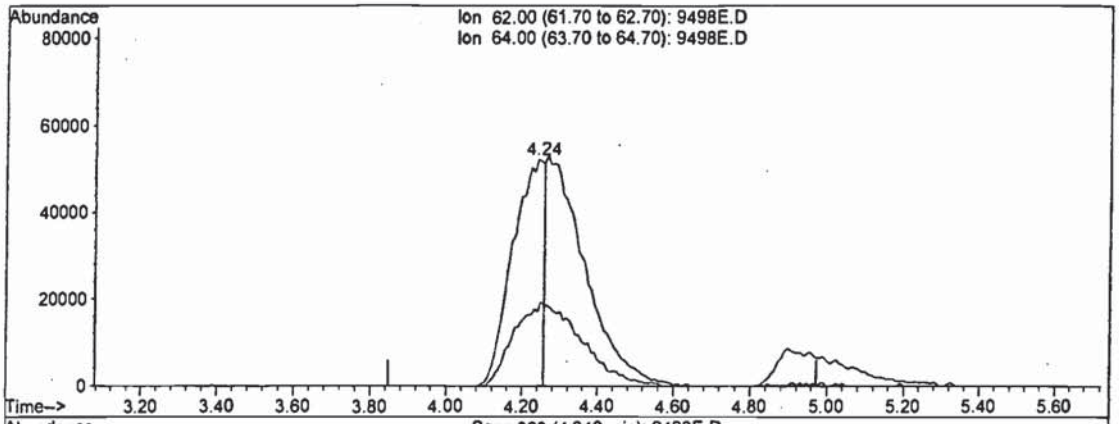
9498E.D 8260E1.M Thu Oct 05 06:08:58 2006

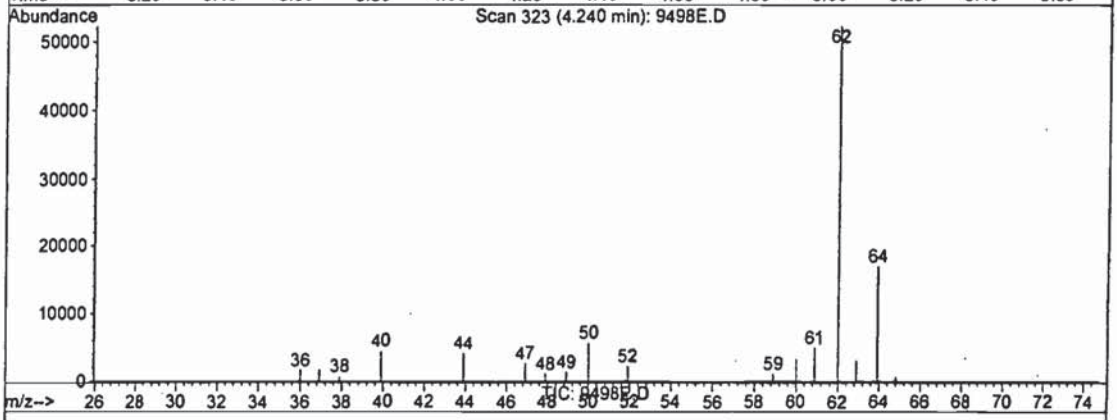
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(4) VINYL CHLORIDE (C)

4.24min 21.82UG/L

response 301229

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	77.83#
0.00	0.00	0.00
0.00	0.00	0.00

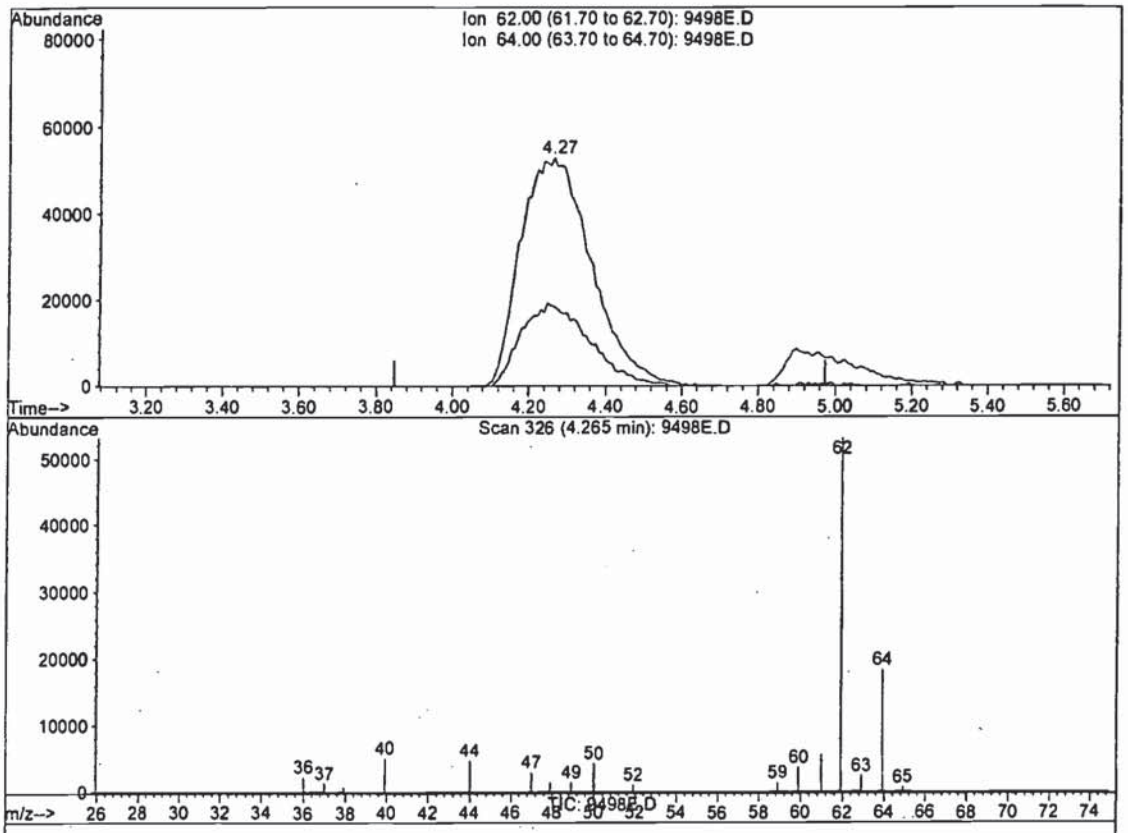
9498E.D 8260E1.M Thu Oct 05 06:09:05 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.27min 49.08UG/L m

response 677685

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	34.59
0.00	0.00	0.00
0.00	0.00	0.00

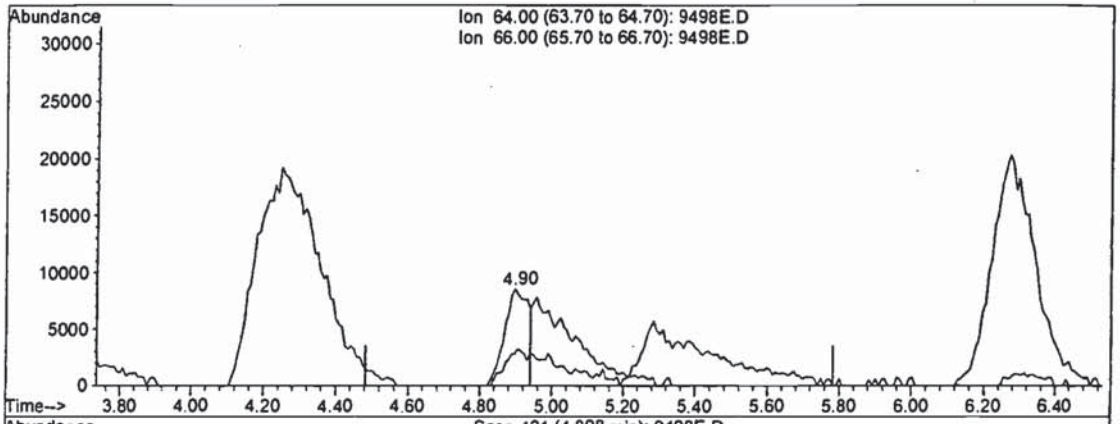
9498E.D 8260E1.M Thu Oct 05 06:09:10 2006

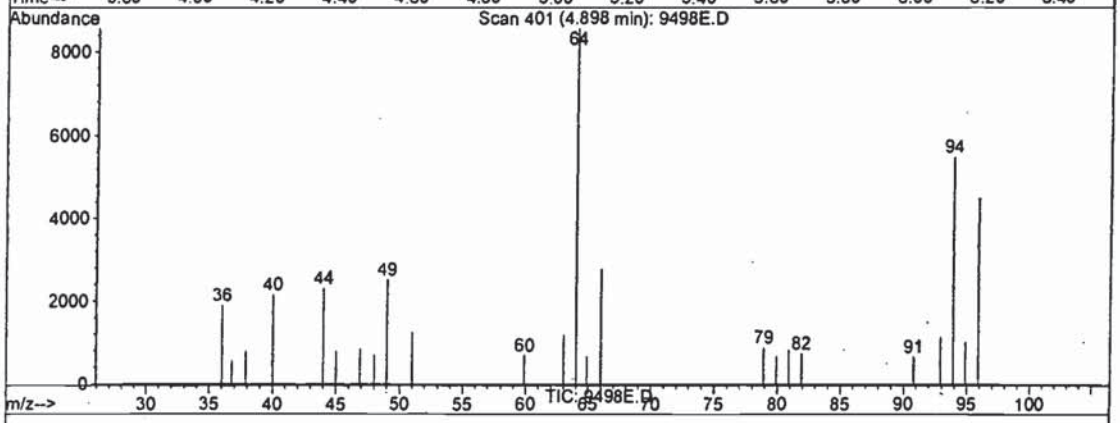
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(6) Chloroethane

4.90min 5.38UG/L

response 38580

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	33.06
0.00	0.00	0.00
0.00	0.00	0.00

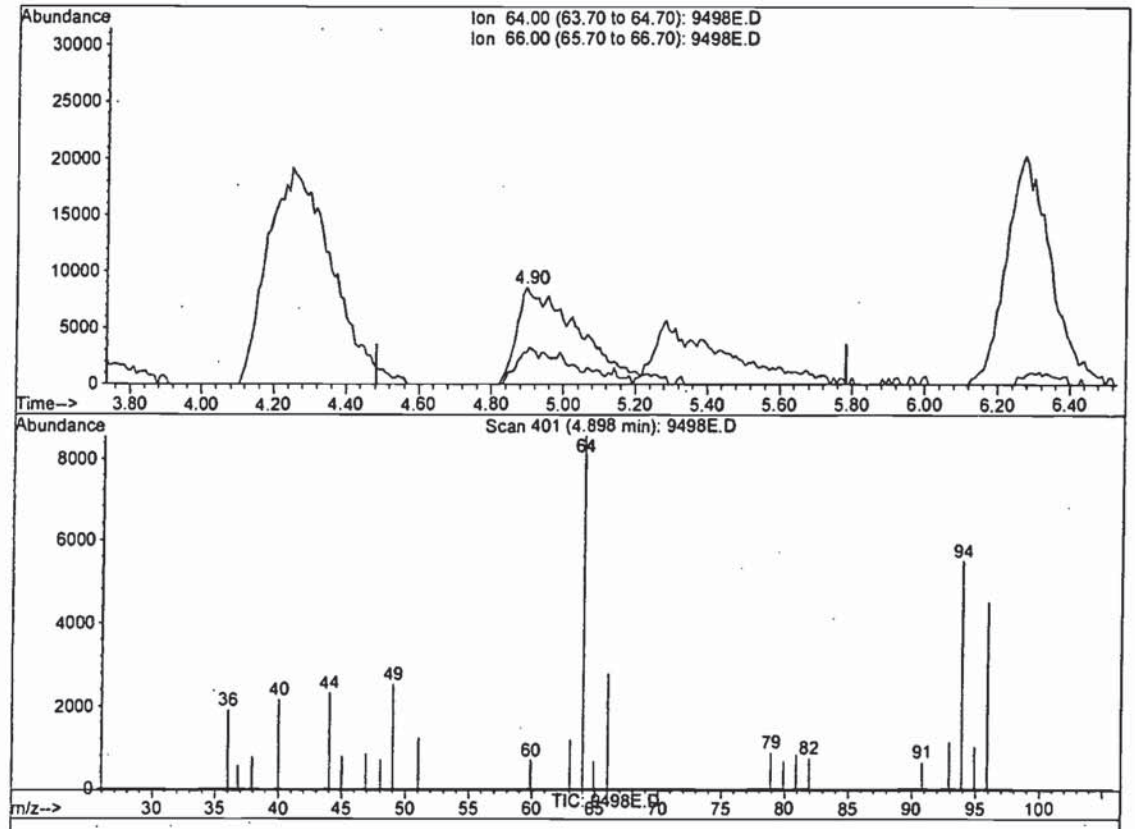
9498E.D 8260E1.M Thu Oct 05 06:09:15 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.90min 14.57UG/L m

response 104438

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	12.21#
0.00	0.00	0.00
0.00	0.00	0.00

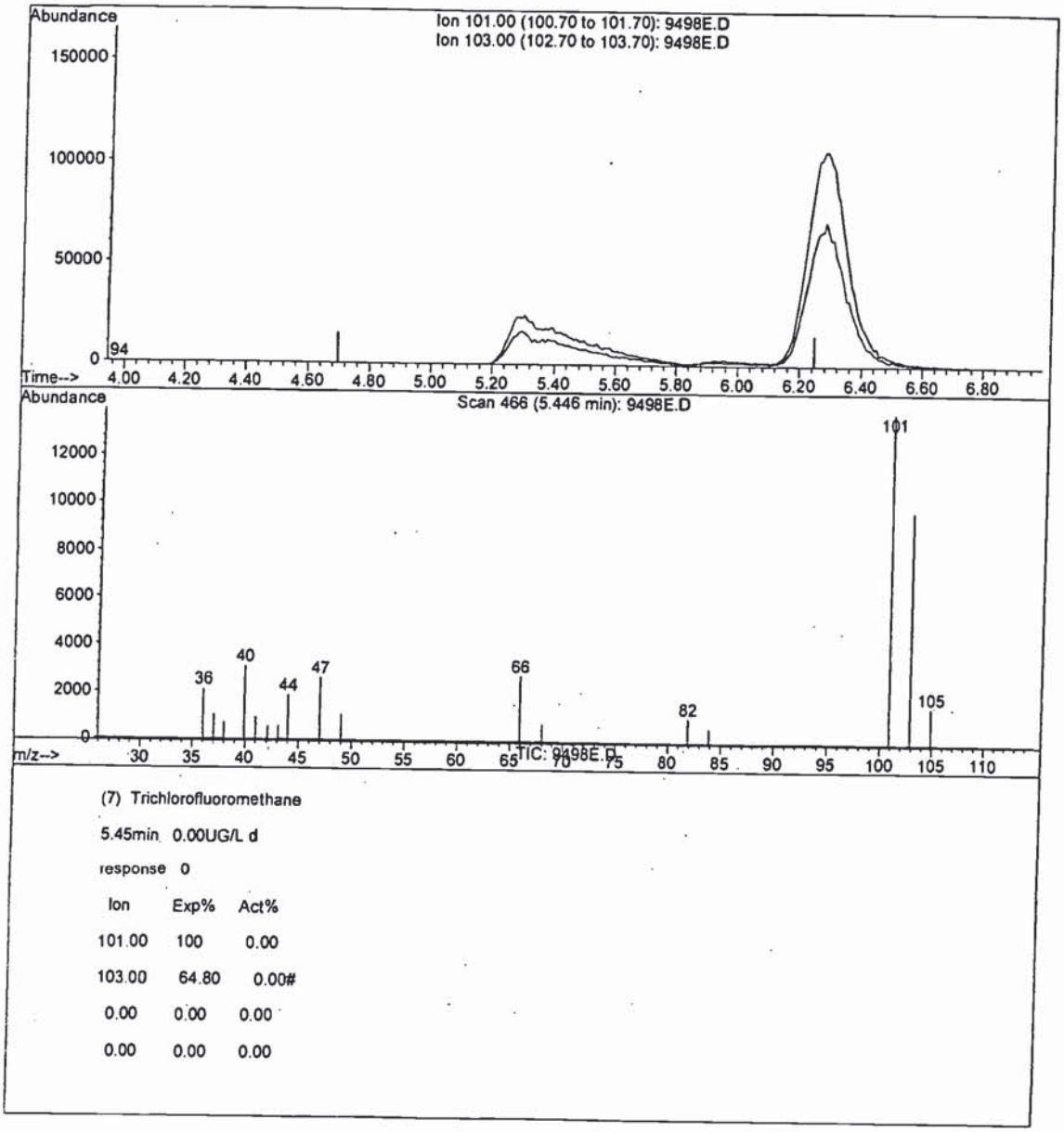
9498E.D 8260E1.M Thu Oct 05 06:09:20 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.45min 0.00UG/L d

response 0

Ion	Exp%	Act%
101.00	100	0.00
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

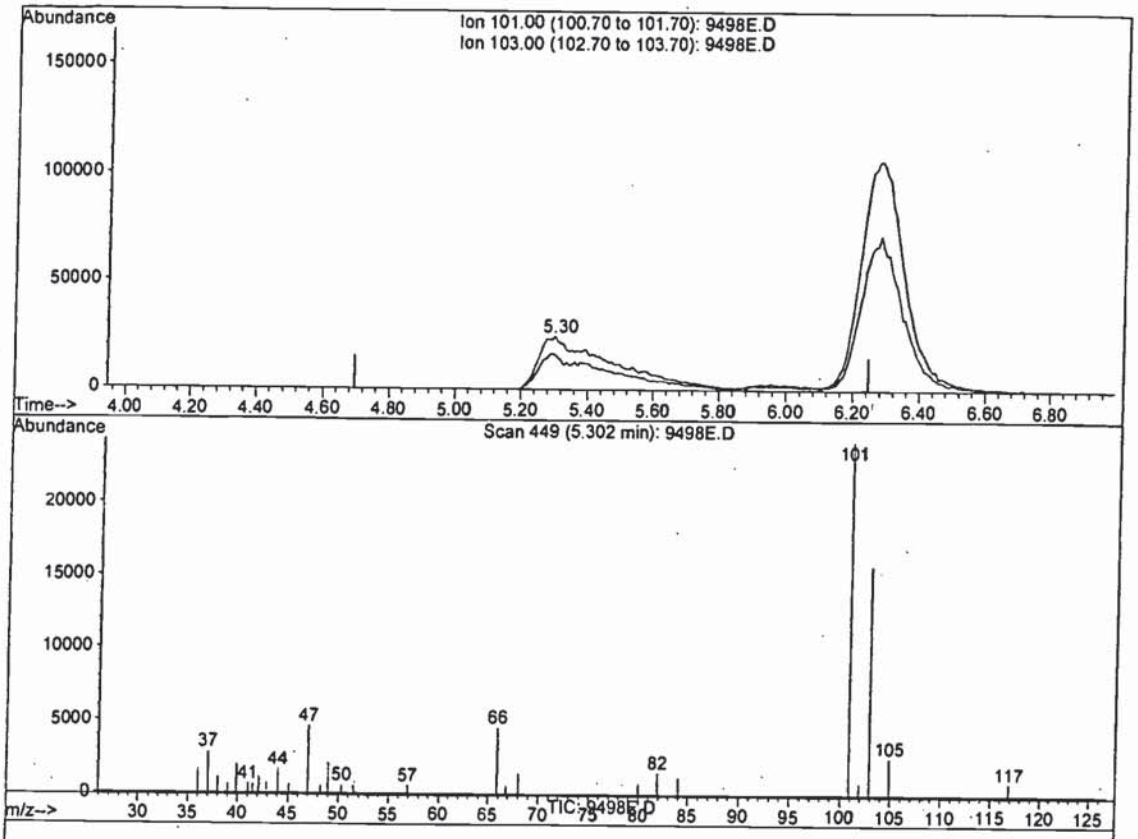
9498E.D 8260E1.M Thu Oct 05 06:09:24 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.30min 19.15UG/L m

response 383018

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

9498E.D 8260E1.M Thu Oct 05 06:09:30 2006

R510038 Heritage Environmental Services, LLC Q1889745

QC Report

QCType SPI01 Duplicate SampleID A748332 DataFile 9527E.D
Date Entered 10Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 06Oct06 14:01:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	49.5		99	
217	CARBON TETRACHLORIDE	0	50	55.8		111.6	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	44.7		89.4	
21	1,2-DICHLOROETHANE	0	50	53.9		107.8	
8	1,1-DICHLOROETHENE	0	50	53.3		106.6	
2	1,1,1-TRICHLOROETHANE	0	50	54.6		109.2	
750	TRICHLOROETHENE	0	50	57.3		114.6	
768	VINYL CHLORIDE	0	50	39.9		79.8	
193	BROMOBENZENE	0	50	41.3		82.6	
195	BROMODICHLOROMETHANE	0	50	54.8		109.6	
197	BROMOFORM	0	50	55.5		111	
198	BROMOMETHANE	0	50	52.9		105.8	
231	CHLOROBENZENE	0	50	48.5		97	
295	DIBROMOCHLOROMETHANE	0	50	52.1		104.2	
234	CHLOROETHANE	0	50	47		94	
235	CHLOROFORM	0	50	53.4		106.8	
236	CHLOROMETHANE	0	50	34.4		68.8	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	44.2		88.4	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	45		90	
296	DIBROMOMETHANE	0	50	54.6		109.2	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	45.5		91	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	45.7		91.4	
746	TRANS-1,2-DICHLOROETHENE	0	50	52.8		105.6	
246	CIS-1,2-DICHLOROETHENE	0	50	52.7		105.4	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	50.8		101.6	
7	1,1-DICHLOROETHANE	0	50	48.2		96.4	
10	1,1-DICHLOROPROPENE	0	50	49.9		99.8	
23	1,2-DICHLOROPROPANE	0	50	45.2		90.4	
27	1,3-DICHLOROPROPANE	0	50	46		92	
247	CIS-1,3-DICHLOROPROPENE	0	50	47.7		95.4	
747	TRANS-1,3-DICHLOROPROPENE	0	50	48.8		97.6	
349	ETHYL BENZENE	0	50	47.6		95.2	
680	STYRENE	0	50	47.3		94.6	
4	1,1,2-TRICHLOROETHANE	0	50	53.4		106.8	
1	1,1,1,2-TETRACHLOROETHANE	0	50	52.2		104.4	
3	1,1,2,2-TETRACHLOROETHANE	0	50	42.7		85.4	
703	TETRACHLOROETHENE	0	50	53.2		106.4	
14	1,2,3-TRICHLOROPROPANE	0	50	46		92	
724	TOLUENE	0	50	51		102	
492	M/P-XYLENE	0	100	96.7		96.7	
549	O-XYLENE	0	50	49.1		98.2	
194	BROMOCHLOROMETHANE	0	50	57		114	
519	N-BUTYLBENZENE	0	50	39.7		79.4	
300	DICHLORODIFLUOROMETHANE	0	50	36.4		72.8	

LKS 10-10-06

LKS 10-10-06

R510038 Heritage Environmental Services, LLC Q1889745

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	57.3		114.6	
398	HEXACHLOROBUTADIENE	0	50	38		76	
432	ISOPROPYLBENZENE (CUMENE)	0	50	44.2		88.4	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	44.8		89.6	
493	NAPHTHALENE	0	50	43.3		86.6	
532	N-PROPYLBENZENE	0	50	41.8		83.6	
644	SEC-BUTYLBENZENE	0	50	41.7		83.4	
702	TERT-BUTYLBENZENE	0	50	45.8		91.6	
13	1,2,3-TRICHLOROBENZENE	0	50	45		90	
16	1,2,4-TRICHLOROBENZENE	0	50	43.1		86.2	
17	1,2,4-TRIMETHYLBENZENE	0	50	46		92	
25	1,3,5-TRIMETHYLBENZENE	0	50	45.7		91.4	
105	ACROLEIN	0	250	275		110	
99	ACETONE (2-PROPANONE)	0	50	49.8		99.6	
106	ACRYLONITRILE	0	250	61.5		24.6	
216	CARBON DISULFIDE	0	50	45.7		91.4	
767	VINYL ACETATE	0	50	50		100	
52	2-BUTANONE	0	50	26		52	
91	4-METHYL-2-PENTANONE	0	50	40.5		81	
60	2-HEXANONE	0	50	35.6		71.2	
54	2-CHLOROETHYLVINYLETHER	0	50	47.7		95.4	
18	1,2-DIBROMOETHANE (EDB)	0	50	54.4		108.8	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	47		94	
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	52		104	
422	IODOMETHANE	0	50	51.3		102.6	
709	TETRAHYDROFURAN	0	250	194		77.6	
803	XYLENES (O/M/P-XYLENE)	0	150	145.8		97.2	

Comment NOTE: LCS RESULTS NOT REPORTED BECAUSE MS/MSD PASSED METHOD CRITERIA.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9527E.D
Acq On : 6 Oct 06 14:01
Sample : A748332 MS 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1804541	50.00 UG/L	0.04
51) CHLOROBENZENE-d5	18.50	117	1381508	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.58	152	839742	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.19	65	769522	52.56 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery =	105.12%#	
44) Toluene-d8	15.31	98	1649843	51.41 UG/L	0.04
Spiked Amount 50.000	Range 44 - 55		Recovery =	102.82%#	
47) Dibromofluoromethane	10.52	113	1211706	52.56 UG/L	0.05
Spiked Amount 50.000			Recovery =	105.12%	
50) 4-Bromofluorobenzene	20.69	95	1420094	53.87 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery =	107.74%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	666974	36.35 UG/L	100
3) Chloromethane	4.06	50	514258	34.36 UG/L	100
4) VINYL CHLORIDE	4.23	62	555322	39.86 UG/L	97
5) Bromomethane	4.82	94	453723	52.85 UG/L	100
6) Chloroethane	5.00	64	339476	46.95 UG/L	89
7) Trichlorofluoromethane	5.49	101	1155683	57.27 UG/L	99
8) Acrolein	7.78	56	106556	274.97 UG/L	100
9) Diethyl Ether	6.02	59	429060	49.62 UG/L	100
10) Trichlorotrifluoroethane	6.41	101	1203923	53.43 UG/L #	100
11) Acetone	6.54	43	235494m	49.76 UG/L	90
12) 1,1-DICHLOROETHENE	6.44	96	620213	53.26 UG/L	100
13) Methylene Chloride	7.29	84	761285	50.83 UG/L	93
14) Acrylonitrile	7.74	53	205291	61.45 UG/L	100
15) Carbon Disulfide	6.86	76	1832547	45.65 UG/L #	82
16) Vinyl Acetate	7.79	43	555047	50.04 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	685817	52.81 UG/L #	72
18) 1,1-Dichloroethane	8.54	63	1434593	48.20 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1343411	52.00 UG/L	100
20) Diispropyl Ether	8.64	45	2975749	41.55 UG/L	100
21) 2-Butanone	9.71	43	797146m	26.04 UG/L	59
22) Ethyl Acetate	9.72	88	14126m	28.52 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	745875	52.69 UG/L #	55

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9527E.D
Acq On : 6 Oct 06 14:01
Sample : A748332 MS 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24)	CHLOROFORM	10.20	83	1505271	53.38 UG/L		98
25)	Bromochloromethane	10.08	128	552154	57.00 UG/L		98
26)	2,2-Dichloropropane	9.62	77	871634	45.85 UG/L	#	100
27)	Tetrahydrofuran	10.18	42	552009	194.37 UG/L		100
28)	1,1,1-Trichloroethane	10.59	97	1134510	54.61 UG/L	#	100
29)	Iodomethane	6.73	142	1629737	51.25 UG/L		100
30)	1,1-Dichloropropene	10.90	75	1048116	49.87 UG/L	#	100
32)	Carbon Tetrachloride	10.91	117	1061022	55.79 UG/L		94
33)	1,2-Dichloroethane	11.34	62	1049620	53.85 UG/L	#	100
34)	Isobutanol	11.10	43	4004264	7134.59 UG/L		100
35)	Benzene	11.32	78	1622823	49.50 UG/L		100
36)	N-Butanol	12.44	43	1395976	5009.53 UG/L		100
37)	Trichloroethene	12.62	130	862335	57.34 UG/L		100
38)	1,2-DICHLOROPROPANE	13.11	63	899873	45.18 UG/L		100
39)	Bromodichloromethane	13.68	83	1645702	54.79 UG/L		100
40)	Dibromomethane	13.36	93	896031	54.57 UG/L		99
41)	2-Chloroethylvinylether	14.33	63	474719	47.66 UG/L	#	100
42)	4-Methyl-2-Pentanone	15.02	43	1006079	40.50 UG/L		95
43)	cis-1,3-Dichloropropene	14.68	75	1155536	47.70 UG/L		100
45)	TOLUENE	15.47	91	1813346	51.04 UG/L		100
46)	trans-1,3-Dichloropropene	15.96	75	922772	48.77 UG/L		100
48)	1,1,2-Trichloroethane	16.40	97	733558	53.38 UG/L		100
49)	1,2-Dibromoethane	17.56	107	1136034	54.43 UG/L	#	100
52)	2-Hexanone	16.96	43	671064	35.58 UG/L	#	93
53)	1,3-Dichloropropane	16.79	76	1127180	46.04 UG/L		100
54)	Tetrachloroethene	16.75	166	1041093	53.18 UG/L		95
55)	Dibromochloromethane	17.29	129	1304401	52.13 UG/L		100
56)	Chlorobenzene	18.57	112	1349409	48.48 UG/L		96
57)	1,1,1,2-Tetrachloroethane	18.71	131	820699	52.22 UG/L		100
58)	ETHYL BENZENE	18.77	106	562992	47.61 UG/L		92
59)	m,p-Xylene	19.00	106	1312373	96.70 UG/L		75
60)	o-Xylene	19.75	106	675308	49.12 UG/L		80
61)	Styrene	19.78	104	1069378	47.34 UG/L	#	41
62)	Bromoform	20.11	173	1215733	55.51 UG/L		100
64)	Isopropylbenzene	20.40	105	1721928	44.17 UG/L		100
65)	1,1,2,2-Tetrachloroethane	20.91	83	1224875	42.65 UG/L	#	100
66)	Bromobenzene	20.95	77	1919978	41.32 UG/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9527E.D
Acq On : 6 Oct 06 14:01
Sample : A748332 MS 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,3-Trichloropropane	21.01	110	260990	45.95 UG/L	100
68)	n-Propylbenzene	21.12	92	255434	41.76 UG/L	82
69)	1,3,5-Trimethylbenzene	21.40	105	1299439	45.67 UG/L	100
70)	2-Chlorotoluene	21.28	126	506058	44.18 UG/L	100
71)	4-Chlorotoluene	21.45	126	480174	45.01 UG/L	100
72)	t-Butylbenzene	21.93	119	1470849	45.81 UG/L	100
73)	1,2,4-Trimethylbenzene	22.01	105	1265861	46.03 UG/L	100
74)	sec-Butylbenzene	22.28	105	1911497	41.71 UG/L	100
75)	p-Isopropyltoluene	22.50	119	1235509	44.80 UG/L	100
76)	1,3-Dichlorobenzene	22.47	146	998981	45.49 UG/L	100
77)	1,4-Dichlorobenzene	22.61	146	1023407	44.69 UG/L	100
78)	n-Butylbenzene	23.12	92	731100	39.68 UG/L	94
79)	1,2-Dichlorobenzene	23.19	146	1032704	45.73 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.42	157	333399	47.02 UG/L	100
81)	1,2,4-Trichlorobenzene	25.86	180	534291	43.05 UG/L	100
82)	Naphthalene	26.36	128	823816	43.29 UG/L	100
83)	Hexachlorobutadiene	26.16	225	531894	37.99 UG/L	100
84)	1,2,3-Trichlorobenzene	26.85	180	515142	45.02 UG/L	100

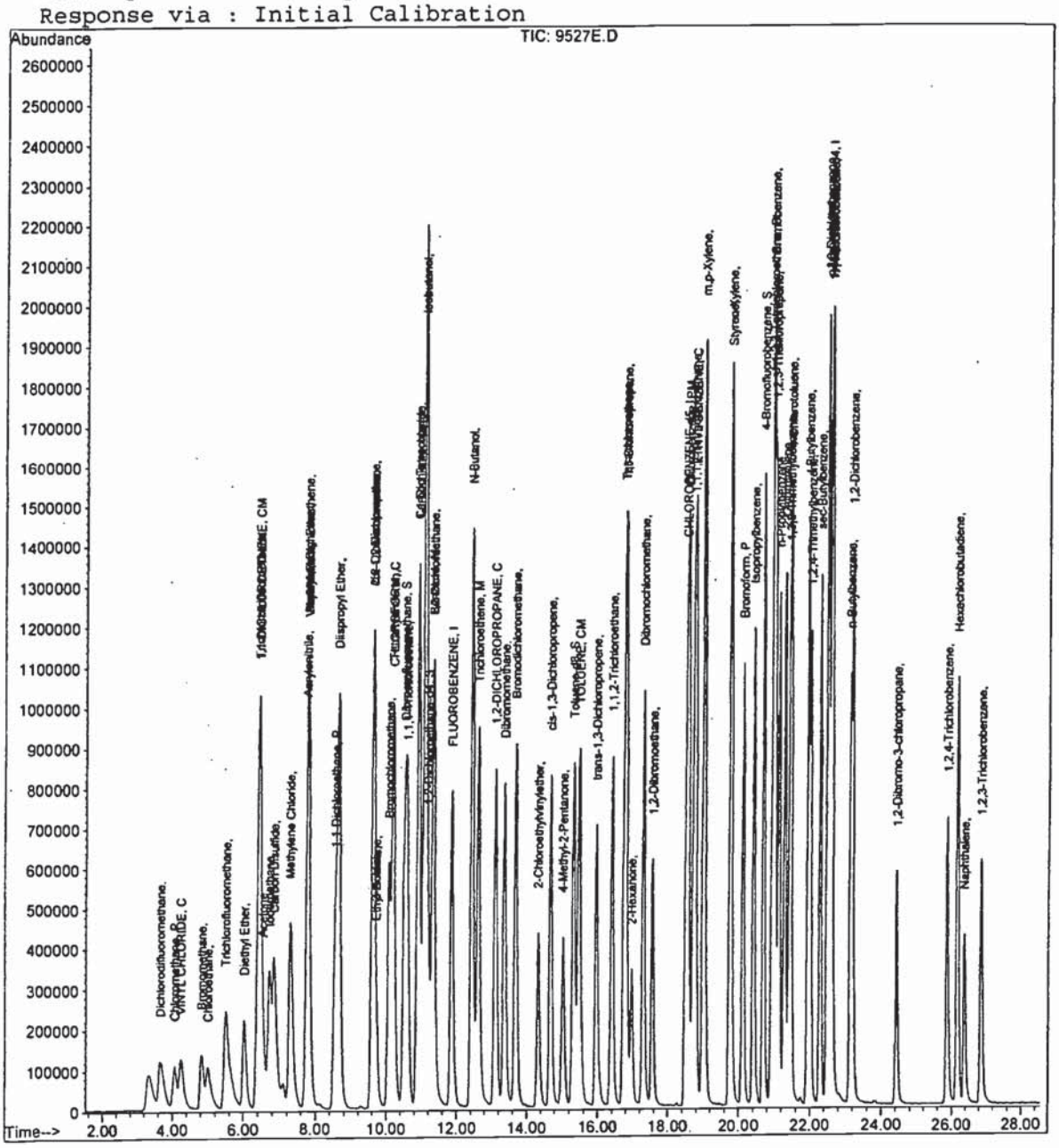
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9527E.D
Acq On : 6 Oct 06 14:01
Sample : A748332 MS 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



R510038 Heritage Environmental Services, LLC Q1889746

QC Report

QCType DPS01 Duplicate SampleID A748332 DataFile 9528E.D
Date Entered 10Oct06 Duplicate QCSampleID Q1889745 Analyst 1365 H. WILLIAMS
Analysis Date/Time 06Oct06 14:39:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	51.5		103	4
217	CARBON TETRACHLORIDE	0	50	57.5		115	3
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	45.1		90.3	1
21	1,2-DICHLOROETHANE	0	50	53.9		107.7	0
8	1,1-DICHLOROETHENE	0	50	54.9		109.7	3
2	1,1,1-TRICHLOROETHANE	0	50	57.5		115	5.2
750	TRICHLOROETHENE	0	50	59.5		118.9	3.6
768	VINYL CHLORIDE	0	50	41.9		83.8	5
193	BROMOBENZENE	0	50	42.1		84.2	1.9
195	BROMODICHLOROMETHANE	0	50	55.5		111	1.3
197	BROMOFORM	0	50	54.2		108.3	2.5
198	BROMOMETHANE	0	50	52.1		104.2	1.4
231	CHLOROBENZENE	0	50	48		95.9	1.1
295	DIBROMOCHLOROMETHANE	0	50	51.6		103.3	1
234	CHLOROETHANE	0	50	47.8		95.5	1.7
235	CHLOROFORM	0	50	54.3		108.5	1.6
236	CHLOROMETHANE	0	50	35.2		70.4	2.4
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	45.8		91.5	3.4
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	44.8		89.6	.4
296	DIBROMOMETHANE	0	50	53.3		106.5	2.4
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	46		92	1.1
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	46.3		92.5	1.1
746	TRANS-1,2-DICHLOROETHENE	0	50	53.9		107.7	2
246	CIS-1,2-DICHLOROETHENE	0	50	53.5		107	1.5
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	51.1		102.2	0.6
7	1,1-DICHLOROETHANE	0	50	49.6		99.1	2.8
10	1,1-DICHLOROPROPENE	0	50	52.1		104.2	4.4
23	1,2-DICHLOROPROPANE	0	50	46.3		92.7	2.5
27	1,3-DICHLOROPROPANE	0	50	44.9		89.9	2.4
247	CIS-1,3-DICHLOROPROPENE	0	50	48.1		96.1	.7
747	TRANS-1,3-DICHLOROPROPENE	0	50	49.1		98.2	.7
349	ETHYL BENZENE	0	50	48.5		97	1.9
680	STYRENE	0	50	47.2		94.4	.3
4	1,1,2-TRICHLOROETHANE	0	50	53.1		106.2	.6
1	1,1,1,2-TETRACHLOROETHANE	0	50	51.6		103.1	1.3
3	1,1,2,2-TETRACHLOROETHANE	0	50	41.4		82.8	3
703	TETRACHLOROETHENE	0	50	54.3		108.6	2
14	1,2,3-TRICHLOROPROPANE	0	50	45.6		91.1	.9
724	TOLUENE	0	50	52.9		105.8	3.6
492	M/P-XYLENE	0	100	98		98	1.3
549	O-XYLENE	0	50	49.6		99.2	1
194	BROMOCHLOROMETHANE	0	50	55.8		111.6	2.1
519	N-BUTYLBENZENE	0	50	42.7		85.5	7.4
300	DICHLORODIFLUOROMETHANE	0	50	37.9		75.7	4

LS 10-10-06

LS 10-10-06

R510038 Heritage Environmental Services, LLC Q1889746

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	57.7		115.4	.8
398	HEXACHLOROBUTADIENE	0	50	47.2		94.4	21.6
432	ISOPROPYLBENZENE (CUMENE)	0	50	46.7		93.3	5.5
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	47.9		95.8	6.7
493	NAPHTHALENE	0	50	46.5		93	7.1
532	N-PROPYLBENZENE	0	50	45.2		90.4	7.9
644	SEC-BUTYLBENZENE	0	50	45.6		91.2	8.9
702	TERT-BUTYLBENZENE	0	50	49		98	6.8
13	1,2,3-TRICHLOROBENZENE	0	50	46.6		93.2	3.5
16	1,2,4-TRICHLOROBENZENE	0	50	44.6		89.2	3.5
17	1,2,4-TRIMETHYLBENZENE	0	50	48.3		96.6	4.8
25	1,3,5-TRIMETHYLBENZENE	0	50	48		96.1	5.1
105	ACROLEIN	0	250	265		105.8	3.9
99	ACETONE (2-PROPANONE)	0	50	48.4		96.7	2.9
106	ACRYLONITRILE	0	250	64.2		25.7	4.4
216	CARBON DISULFIDE	0	50	49		98	7
767	VINYL ACETATE	0	50	49.6		99.2	.9
52	2-BUTANONE	0	50	28.1		56.2	7.6
91	4-METHYL-2-PENTANONE	0	50	40.1		80.3	.9
60	2-HEXANONE	0	50	36.1		72.2	1.4
54	2-CHLOROETHYLVINYLETHER	0	50	48.8		97.5	2.3
18	1,2-DIBROMOETHANE (EDB)	0	50	53.5		107	1.8
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	46.6		93.2	.9
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	51.6		103.2	.8
422	IODOMETHANE	0	50	53		106	3.4
709	TETRAHYDROFURAN	0	250	191		76.4	1.7
803	XYLENES (O/M/P-XYLENE)	0	150	147.6		98.4	1.2

Comment NOTE: LCS RESULTS NOT REPORTED BECAUSE MS/MSD PASSED METHOD CRITERIA.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1885781	50.00 UG/L	0.04
51) CHLOROBENZENE-d5	18.50	117	1459214	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.58	152	871651	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.19	65	808972	52.87 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 105.74%#		
44) Toluene-d8	15.31	98	1717757	51.22 UG/L	0.04
Spiked Amount 50.000	Range 44 - 55		Recovery = 102.44%#		
47) Dibromofluoromethane	10.51	113	1273568	52.87 UG/L	0.04
Spiked Amount 50.000			Recovery = 105.74%		
50) 4-Bromofluorobenzene	20.68	95	1502661	54.55 UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 109.10%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	726007	37.87 UG/L	100
3) Chloromethane	4.06	50	550696	35.21 UG/L	100
4) VINYL CHLORIDE	4.24	62	610230	41.91 UG/L	98
5) Bromomethane	4.81	94	469815m	52.08 UG/L	69
6) Chloroethane	5.00	64	361000	47.77 UG/L	94
7) Trichlorofluoromethane	5.50	101	1216480	57.69 UG/L	100
8) Acrolein	7.78	56	107136	264.56 UG/L	100
9) Diethyl Ether	6.02	59	436950	48.36 UG/L	100
10) Trichlorotrifluoroethane	6.41	101	1303513	55.36 UG/L #	100
11) Acetone	6.54	43	239165m	48.35 UG/L	88
12) 1,1-DICHLOROETHENE	6.43	96	667559	54.85 UG/L	100
13) Methylene Chloride	7.30	84	798772	51.07 UG/L	94
14) Acrylonitrile	7.74	53	224212	64.22 UG/L	100
15) Carbon Disulfide	6.86	76	2043954	48.99 UG/L	98
16) Vinyl Acetate	7.78	43	574830	49.60 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	730718	53.85 UG/L #	73
18) 1,1-Dichloroethane	8.54	63	1541287	49.55 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1392871	51.59 UG/L	100
20) Diispropyl Ether	8.64	45	3221908	43.05 UG/L	100
21) 2-Butanone	9.71	43	898815	28.10 UG/L #	59
22) Ethyl Acetate	9.70	88	17475m	33.61 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	791739	53.52 UG/L #	54

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.19	83	1598805	54.25 UG/L	98
25) Bromochloromethane	10.07	128	565095	55.82 UG/L	100
26) 2,2-Dichloropropane	9.61	77	965873	48.62 UG/L #	100
27) Tetrahydrofuran	10.18	42	567141	191.10 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	1248273	57.49 UG/L #	100
29) Iodomethane	6.71	142	1761276	53.00 UG/L	100
30) 1,1-Dichloropropene	10.90	75	1144744	52.12 UG/L #	100
32) Carbon Tetrachloride	10.90	117	1142595	57.49 UG/L	93
33) 1,2-Dichloroethane	11.35	62	1097000	53.86 UG/L #	100
34) Isobutanol	11.10	43	4270292	7280.81 UG/L	100
35) Benzene	11.32	78	1764499	51.50 UG/L	100
36) N-Butanol	12.44	43	1545415	5306.88 UG/L	100
37) Trichloroethene	12.62	130	934520	59.46 UG/L	100
38) 1,2-DICHLOROPROPANE	13.11	63	964161	46.33 UG/L	100
39) Bromodichloromethane	13.68	83	1741778	55.49 UG/L	99
40) Dibromomethane	13.36	93	914195	53.27 UG/L	98
41) 2-Chloroethylvinylether	14.33	63	507433	48.75 UG/L #	100
42) 4-Methyl-2-Pentanone	15.02	43	1041878	40.13 UG/L	94
43) cis-1,3-Dichloropropene	14.67	75	1216740	48.06 UG/L	100
45) TOLUENE	15.47	91	1964645	52.91 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	970502	49.08 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	762913	53.12 UG/L	100
49) 1,2-Dibromoethane	17.55	107	1166732	53.49 UG/L #	100
52) 2-Hexanone	16.97	43	719122	36.10 UG/L #	91
53) 1,3-Dichloropropane	16.79	76	1162212	44.94 UG/L	100
54) Tetrachloroethene	16.75	166	1123257	54.32 UG/L	96
55) Dibromochloromethane	17.29	129	1364939	51.64 UG/L	100
56) Chlorobenzene	18.56	112	1410450	47.97 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.71	131	855895	51.56 UG/L	100
58) ETHYL BENZENE	18.77	106	605638	48.49 UG/L	91
59) m,p-Xylene	19.00	106	1404191	97.96 UG/L #	72
60) o-Xylene	19.75	106	720078	49.59 UG/L	79
61) Styrene	19.78	104	1126596	47.21 UG/L #	40
62) Bromoform	20.12	173	1253047	54.16 UG/L	100
64) Isopropylbenzene	20.41	105	1888271	46.67 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	1233443	41.38 UG/L #	100
66) Bromobenzene	20.96	77	2029293	42.08 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100606\9528E.D Vial: 1
Acq On : 6 Oct 06 14:39 Operator: HAROLD
Sample : A748332 MSD 5G Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 7 5:29 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	268575	45.56 UG/L	100
68) n-Propylbenzene	21.12	92	287097	45.22 UG/L	76
69) 1,3,5-Trimethylbenzene	21.40	105	1418734	48.03 UG/L	100
70) 2-Chlorotoluene	21.27	126	544012	45.75 UG/L	100
71) 4-Chlorotoluene	21.45	126	496224	44.81 UG/L	100
72) t-Butylbenzene	21.94	119	1633774	49.02 UG/L	100
73) 1,2,4-Trimethylbenzene	22.01	105	1379115	48.32 UG/L	100
74) sec-Butylbenzene	22.28	105	2169987	45.62 UG/L	100
75) p-Isopropyltoluene	22.50	119	1371634	47.92 UG/L	100
76) 1,3-Dichlorobenzene	22.47	146	1048873	46.01 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	1072694	45.13 UG/L	100
78) n-Butylbenzene	23.12	92	817386	42.74 UG/L	96
79) 1,2-Dichlorobenzene	23.18	146	1084097	46.25 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	343115	46.62 UG/L	100
81) 1,2,4-Trichlorobenzene	25.86	180	574440	44.59 UG/L	100
82) Naphthalene	26.36	128	918201	46.48 UG/L	100
83) Hexachlorobutadiene	26.16	225	686268	47.22 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	553249	46.58 UG/L	100

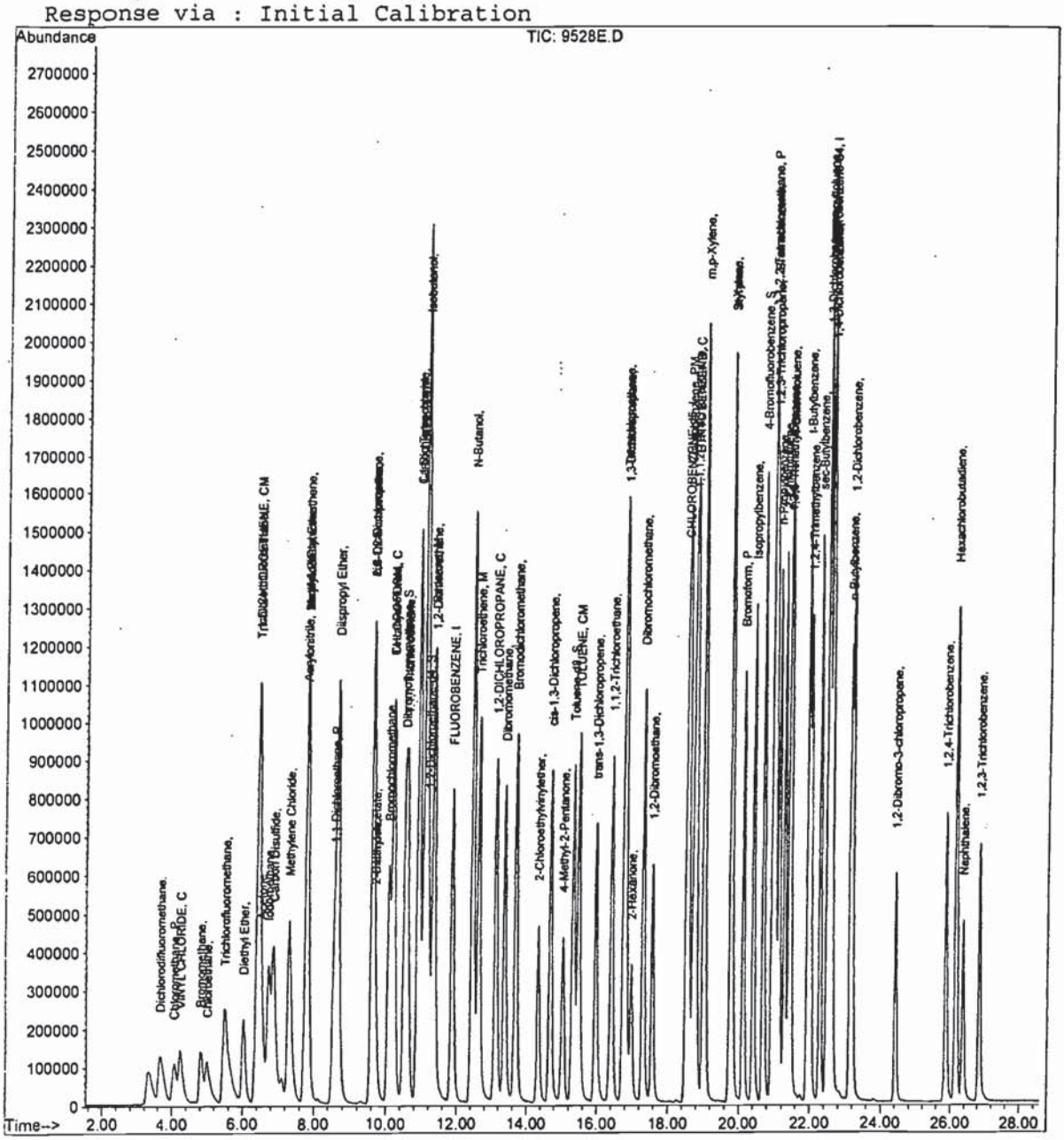
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 7 5:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

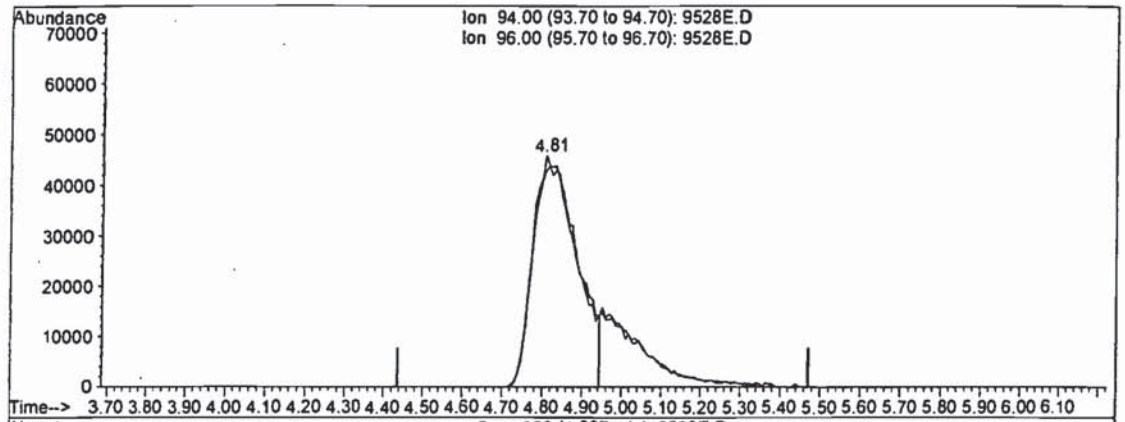
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

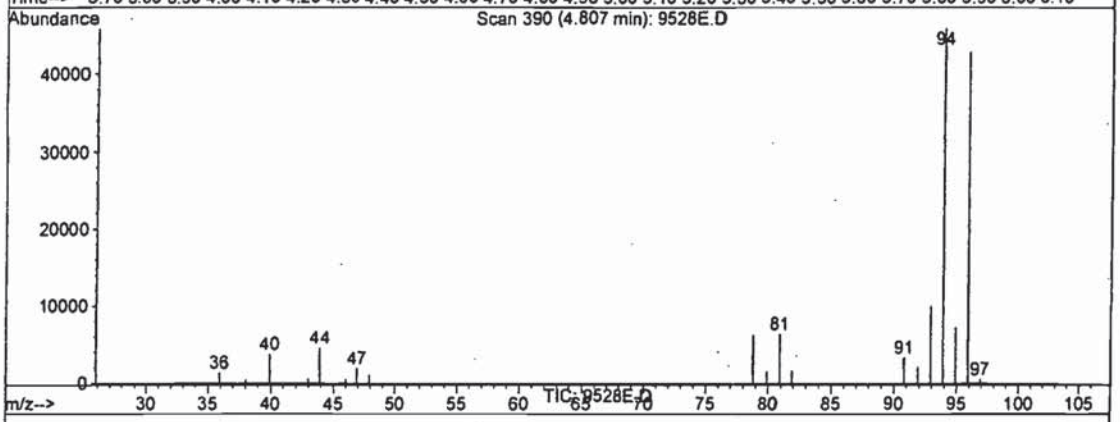


Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9528E.D Vial: 1
Acq On : 6 Oct 06 14:39 Operator: HAROLD
Sample : A748332 MSD 5G Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 6 15:08 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.81min 34.68UG/L

response 352733

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	127.57#
0.00	0.00	0.00
0.00	0.00	0.00

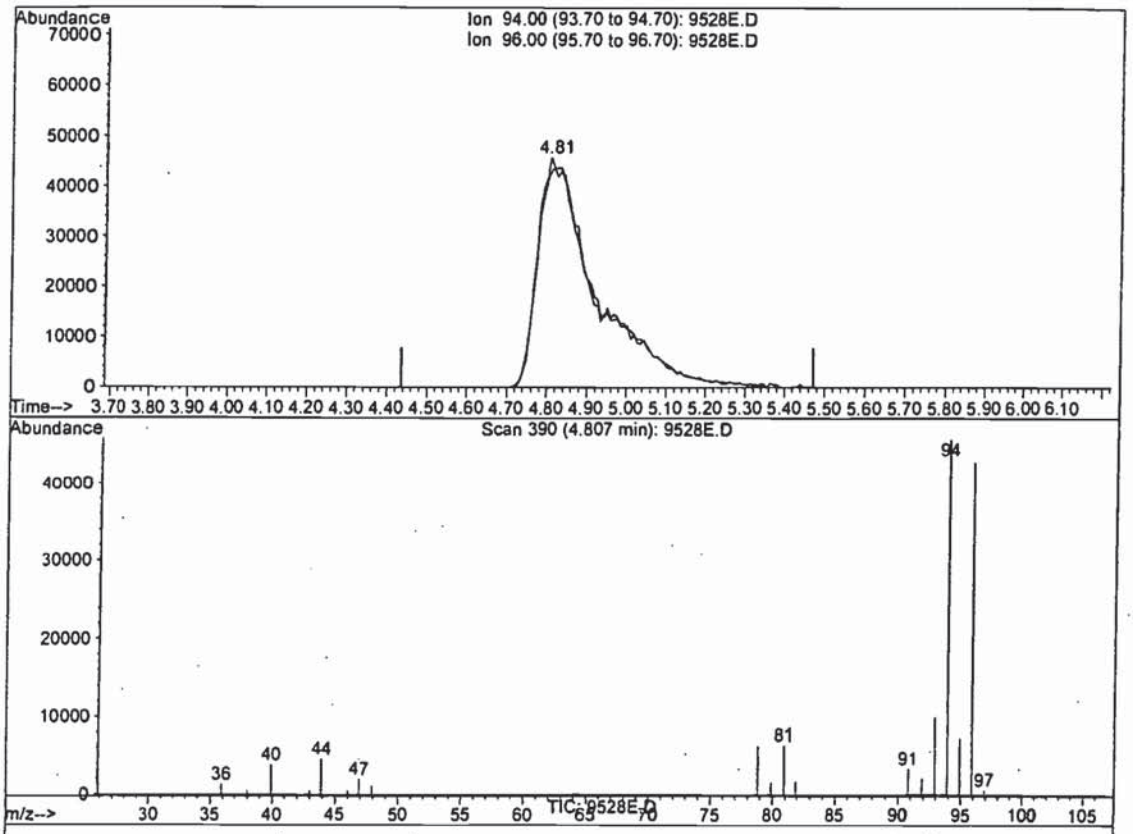
9528E.D 8260E1.M Sat Oct 07 05:28:55 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.81min 52.08UG/L m

response 469815

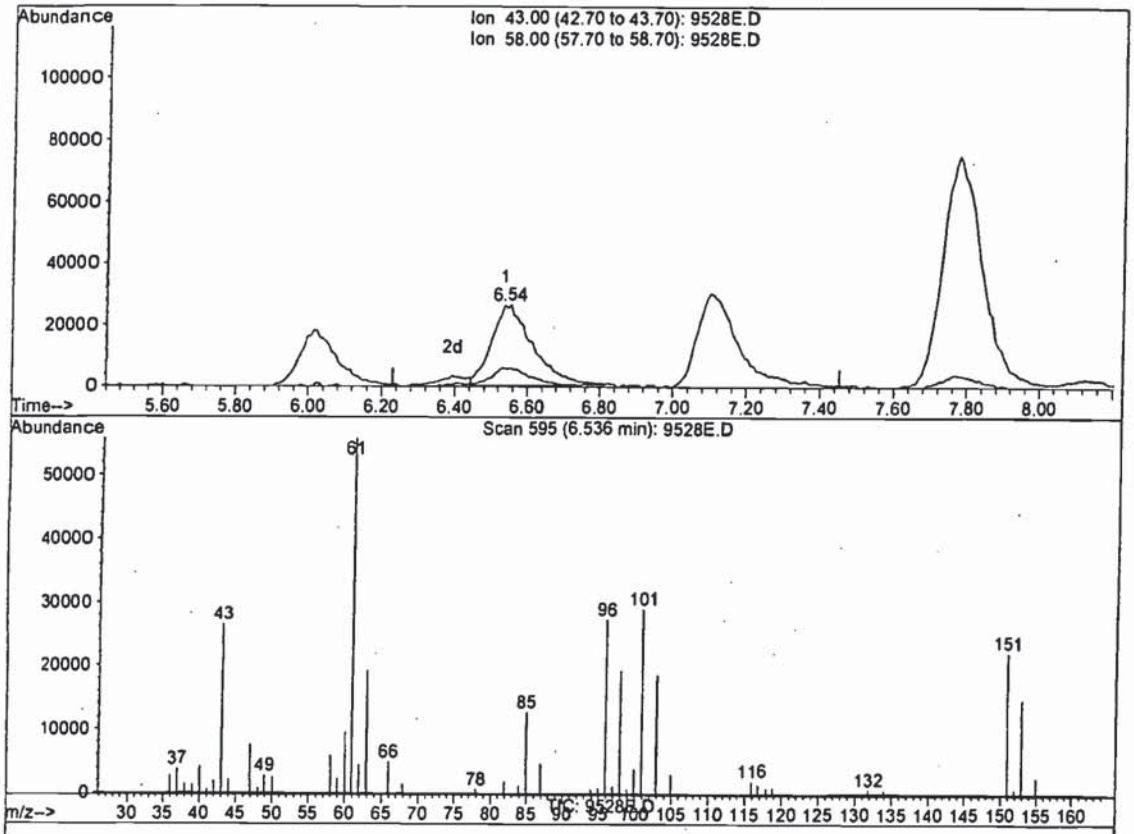
Ion	Exp%	Act%
94.00	100	100
96.00	96.80	95.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
Quant Time: Oct 7 5:28 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.54min 41.81UG/L

response 206812

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	24.10#
0.00	0.00	0.00
0.00	0.00	0.00

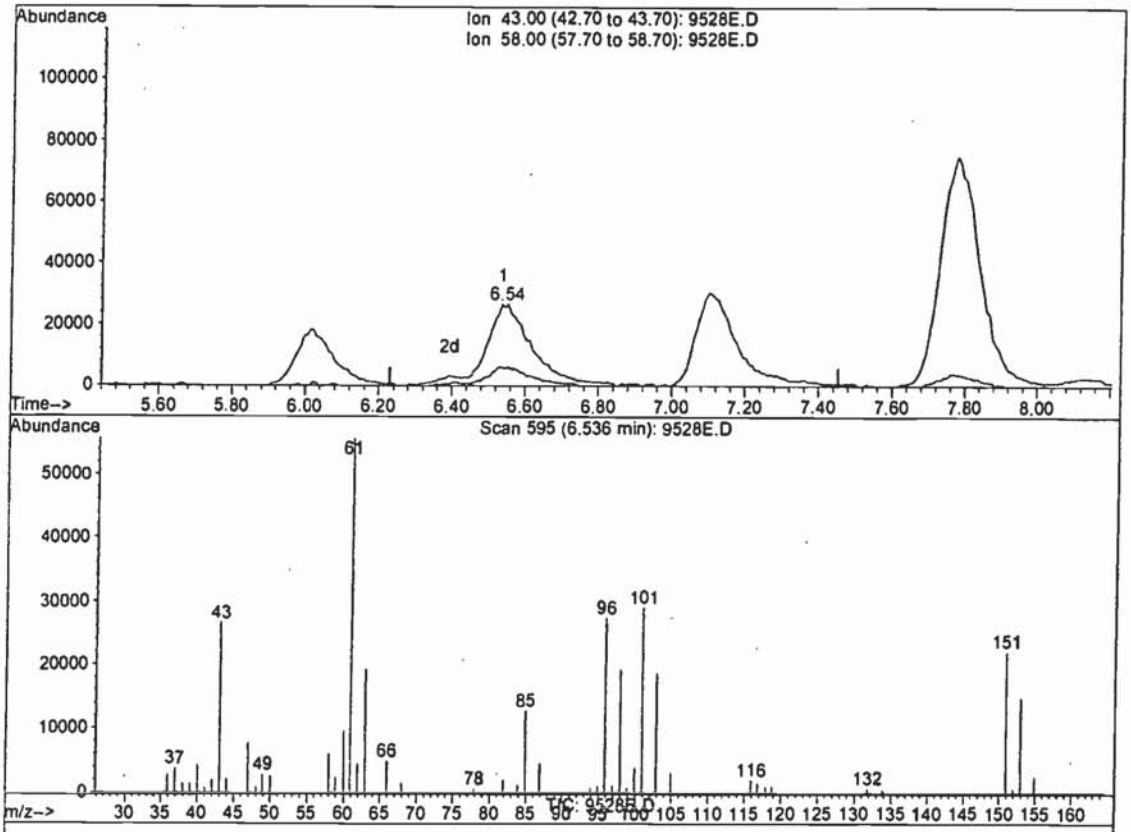
9528E.D 8260E1.M Sat Oct 07 05:29:09 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100606\9528E.D
Acq On : 6 Oct 06 14:39
Sample : A748332 MSD 5G
Misc :
Quant Time: Oct 7 5:29 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.54min 48.35UG/L m

response 239165

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	20.84#
0.00	0.00	0.00
0.00	0.00	0.00

9528E.D 8260E1.M Sat Oct 07 05:29:15 2006

QUALITY ASSURANCE REPORT PACKAGE # **4929**
FOR
KERAMIDA ENVIRONMENTAL, INC.

ROBERT FEDORCHAK
KERAMIDA ENVIRONMENTAL, INC.
401 N. COLLEGE AVENUE
INDIANAPOLIS, IN 46202

SAMPLE RANGE:

A749076 – A749079

PROJECT:

GENUINE PARTS
FORMER ALLISON PLANT #10
PROJECT NO.: 2829E-005

HERITAGE ENVIRONMENTAL SERVICES, LLC
COMMERCIAL LABORATORY OPERATIONS
7901 WEST MORRIS STREET
INDIANAPOLIS, INDIANA 46231
PHONE: (317) 243-8304
FAX: (317) 486-5095

Karen L. Tillmer

APPROVED BY:_____
PROJECT CHEMIST

KERAMIDA ENVIRONMENTAL, INC.
330 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600 - FAX (317) 685-6610

CHAIN OF CUSTODY RECORD

Sheet 1 of 1

COC# 2886

Project No.	Project Name	Report to:
2829E-005	GP-Fwr. Allison Plant #10	Robert Feberchak

Client: Genuine Parts

Samplers (signature): [signature]

Sampled By: KERAMIDA Environmental, Inc.

Sample ID/Description	Date	Time	Comp	Grab	HCl	NaOH	HNO_3	H_2SO_4	Other	VOCs									MATRIX (SW, GW, WW, Soil, Air, Waste Oil)	QA/QC Level	Detection Level	Comments
A2-SW-1(6')	10/5/06	1030		X					1	X									Soil	III	RISC	A749076
A2-SW-2(11')	10/5/06	1035		X					1	X											Res.	077
A2-WW-1(4')	10/5/06	1230		X					1	X												078
A2-WW-2(9')	10/5/06	1235		X					1	X												079
A2-																						

Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time
[signature] 10/13/06 1200	[signature] 10/13/06 1200		[signature] 10-13-06/1200
Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time

Lab Name:
Due Date:
Remarks:

1) No method substitution will be performed by the laboratory without KERAMIDA authorization
2) Please notify KERAMIDA immediately upon receipt, if sample integrity is in question
3) If analysis cannot be conducted within required holding times, please notify KERAMIDA immediately
4) If requested detection limits cannot be achieved, please contact KERAMIDA immediately

Sample Condition: Bottle Intact? Yes/No
Field Filtered? Yes/No
COC Seals Present & Intact? Yes/No
VOC Free of Headspace? Yes/No
VOC Preserved? Yes/No
Temperature upon Receipt: 6.0
Samples on ice? Yes/No

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	13-OCT-06	5029	A749076
	Completed	PO Number	
	24-OCT-06	GENUINE PARTS	
	Printed	Sampled	
	24-OCT-06	05-OCT-06 10:30	

Report To	Bill To
ROB FEDORCHAK KERAMIDA ENVIRONMENTAL, INC. 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 401 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample Description

CLIENT ID: A2-SW-1(6')
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 1618
PROJECT NAME: GENUINE PARTS
PROJECT NUMBER: 2829E
PROJECT DESCRIPTION: TOTAL LEAD, VOC, TOTAL SOLIDS

TOTAL SOLIDS EPA 160.3 NELAC:Y
Analyst: B. ADKINS Analysis Date: 17-OCT-06 16:10 Test: G401.7.0

Parameter	Result	Det. Limit	Units
SOLIDS	96	0.001	Percent

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y
Analyst: H. WILLIAMS Analysis Date: 17-OCT-06 10:54 Instrument: GC/MS VOA Test: O510.5.0

Parameter	Result	Det. Limit	Units
DRY WT - ACETONE (2-PROPANONE)	BDL	0.021	mg/kg
DRY WT - ACROLEIN	BDL	0.026	mg/kg
DRY WT - ACRYLONITRILE	BDL	0.026	mg/kg
DRY WT - BENZENE	BDL	0.0052	mg/kg
DRY WT - BROMOBENZENE	BDL	0.0052	mg/kg
DRY WT - BROMOCHLOROMETHANE	BDL	0.0052	mg/kg
DRY WT - BROMODICHLOROMETHANE	BDL	0.0052	mg/kg
DRY WT - BROMOFORM	BDL	0.0052	mg/kg
DRY WT - BROMOMETHANE	BDL	0.010	mg/kg
DRY WT - N-BUTYLBENZENE	BDL	0.0052	mg/kg
DRY WT - SEC-BUTYLBENZENE	BDL	0.0052	mg/kg
DRY WT - TERT-BUTYLBENZENE	BDL	0.0052	mg/kg
DRY WT - CARBON DISULFIDE	BDL	0.0052	mg/kg
DRY WT - CARBON TETRACHLORIDE	BDL	0.0052	mg/kg
DRY WT - CHLOROBENZENE	BDL	0.0052	mg/kg
DRY WT - DIBROMOCHLOROMETHANE	BDL	0.0052	mg/kg
DRY WT - CHLOROETHANE	BDL	0.010	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749076 A2-SW-1(6')

DRY WT - CHLOROFORM	BDL	0.0052	mg/kg
DRY WT - CHLOROMETHANE	BDL	0.0052	mg/kg
DRY WT - 2-CHLOROTOLUENE (O-CHLOROTOLUENE)	BDL	0.0052	mg/kg
DRY WT - 4-CHLOROTOLUENE (P-CHLOROTOLUENE)	BDL	0.0052	mg/kg
DRY WT - 2-CHLOROETHYLVINYLETHER	BDL	0.0052	mg/kg
DRY WT - 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	BDL	0.0052	mg/kg
DRY WT - 1,2-DIBROMOETHANE (EDB)	BDL	0.0052	mg/kg
DRY WT - DIBROMOMETHANE	BDL	0.0052	mg/kg
DRY WT - 1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	BDL	0.0052	mg/kg
DRY WT - 1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	BDL	0.0052	mg/kg
DRY WT - 1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	BDL	0.0052	mg/kg
DRY WT - DICHLORODIFLUOROMETHANE	BDL	0.0052	mg/kg
DRY WT - TRANS-1,4-DICHLORO-2-BUTENE	BDL	0.010	mg/kg
DRY WT - 1,1-DICHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - 1,2-DICHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - 1,1-DICHLOROETHENE	BDL	0.0052	mg/kg
DRY WT - CIS-1,2-DICHLOROETHENE	BDL	0.0052	mg/kg
DRY WT - TRANS-1,2-DICHLOROETHENE	BDL	0.0052	mg/kg
DRY WT - 1,2-DICHLOROPROPANE	BDL	0.0052	mg/kg
DRY WT - 1,3-DICHLOROPROPANE	BDL	0.0052	mg/kg
DRY WT - 2,2-DICHLOROPROPANE	BDL	0.0052	mg/kg
DRY WT - 1,1-DICHLOROPROPENE	BDL	0.0052	mg/kg
DRY WT - CIS-1,3-DICHLOROPROPENE	BDL	0.0052	mg/kg
DRY WT - TRANS-1,3-DICHLOROPROPENE	BDL	0.0052	mg/kg
DRY WT - ETHYL BENZENE	BDL	0.0052	mg/kg
DRY WT - ETHYL METHACRYLATE	BDL	0.052	mg/kg
DRY WT - 2-HEXANONE	BDL	0.0052	mg/kg
DRY WT - HEXACHLOROBUTADIENE	BDL	0.0052	mg/kg
DRY WT - IODOMETHANE	BDL	0.0052	mg/kg
DRY WT - ISOPROPYLBENZENE (CUMENE)	BDL	0.0052	mg/kg
DRY WT - 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	BDL	0.0052	mg/kg
DRY WT - DICHLOROMETHANE (METHYLENE CHLORIDE)	BDL	0.0052	mg/kg
DRY WT - METHYL ETHYL KETONE	BDL	0.010	mg/kg
DRY WT - METHYL-T-BUTYL ETHER (MTBE)	BDL	0.0052	mg/kg
DRY WT - METHYL ISOBUTYL KETONE	BDL	0.010	mg/kg
DRY WT - NAPHTHALENE	0.0082	0.0052	mg/kg
DRY WT - N-PROPYLBENZENE	BDL	0.0052	mg/kg
DRY WT - STYRENE	BDL	0.0052	mg/kg
DRY WT - 1,1,1,2-TETRACHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - 1,1,2,2-TETRACHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - TETRACHLOROETHENE	BDL	0.0052	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749076 A2-SW-1(6')

DRY WT - TOLUENE	BDL	0.0052	mg/kg
DRY WT - 1,2,3-TRICHLOROBENZENE	BDL	0.0052	mg/kg
DRY WT - 1,2,4-TRICHLOROBENZENE	BDL	0.0052	mg/kg
DRY WT - 1,1,1-TRICHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - 1,1,2-TRICHLOROETHANE	BDL	0.0052	mg/kg
DRY WT - TRICHLOROETHENE	BDL	0.0052	mg/kg
DRY WT - TRICHLOROFLUOROMETHANE	BDL	0.0052	mg/kg
DRY WT - 1,2,3-TRICHLOROPROPANE	BDL	0.0052	mg/kg
DRY WT - 1,2,4-TRIMETHYLBENZENE	0.0086	0.0052	mg/kg
DRY WT - 1,3,5-TRIMETHYLBENZENE	BDL	0.0052	mg/kg
DRY WT - VINYL ACETATE	BDL	0.0052	mg/kg
DRY WT - VINYL CHLORIDE	BDL	0.0052	mg/kg
DRY WT - XYLENES (O/M/P-XYLENE)	BDL	0.0052	mg/kg
SURROGATE RECOVERY			
DICHLOROETHANE-D4	94		% Rec
TOLUENE-D8	108		% Rec
4-BROMOFLUOROBENZENE	130		% Rec
DIBROMOFLUOROMETHANE	101		% Rec

Prep Method SW846-5030B Purge and Trap

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2886.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.
The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 24-OCT-06

HERITAGE

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	13-OCT-06	5029	A749077
	Completed	PO Number	
	24-OCT-06	GENUINE PARTS	
	Printed	Sampled	
	24-OCT-06	05-OCT-06 10:35	

Report To	Bill To
ROB FEDORCHAK KERAMIDA ENVIRONMENTAL, INC. 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 401 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample Description

CLIENT ID: A2-SW-2(11')
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 1618
PROJECT NAME: GENUINE PARTS
PROJECT NUMBER: 2829E
PROJECT DESCRIPTION: TOTAL LEAD, VOC, TOTAL SOLIDS

TOTAL SOLIDS EPA 160.3 NELAC:Y
Analyst: B. ADKINS Analysis Date: 17-OCT-06 16:10 Test: G401.7.0

Parameter	Result	Det. Limit	Units
SOLIDS	91	0.001	Percent

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y
Analyst: H. WILLIAMS Analysis Date: 17-OCT-06 12:49 Instrument: GC/MS VOA Test: O510.5.0

Parameter	Result	Det. Limit	Units
DRY WT - ACETONE (2-PROPANONE)	BDL	0.022	mg/kg
DRY WT - ACROLEIN	BDL	0.027	mg/kg
DRY WT - ACRYLONITRILE	BDL	0.027	mg/kg
DRY WT - BENZENE	BDL	0.0055	mg/kg
DRY WT - BROMOBENZENE	BDL	0.0055	mg/kg
DRY WT - BROMOCHLOROMETHANE	BDL	0.0055	mg/kg
DRY WT - BROMODICHLOROMETHANE	BDL	0.0055	mg/kg
DRY WT - BROMOFORM	BDL	0.0055	mg/kg
DRY WT - BROMOMETHANE	BDL	0.011	mg/kg
DRY WT - N-BUTYLBENZENE	0.040	0.0055	mg/kg
DRY WT - SEC-BUTYLBENZENE	0.032	0.0055	mg/kg
DRY WT - TERT-BUTYLBENZENE	BDL	0.0055	mg/kg
DRY WT - CARBON DISULFIDE	0.015	0.0055	mg/kg
DRY WT - CARBON TETRACHLORIDE	BDL	0.0055	mg/kg
DRY WT - CHLOROBENZENE	BDL	0.0055	mg/kg
DRY WT - DIBROMOCHLOROMETHANE	BDL	0.0055	mg/kg
DRY WT - CHLOROETHANE	BDL	0.011	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749077 A2-SW-2(11')

DRY WT - CHLOROFORM	BDL	0.0055	mg/kg
DRY WT - CHLOROMETHANE	BDL	0.0055	mg/kg
DRY WT - 2-CHLOROTOLUENE (O-CHLOROTOLUENE)	BDL	0.0055	mg/kg
DRY WT - 4-CHLOROTOLUENE (P-CHLOROTOLUENE)	BDL	0.0055	mg/kg
DRY WT - 2-CHLOROETHYLVINYLETHER	BDL	0.0055	mg/kg
DRY WT - 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	BDL	0.0055	mg/kg
DRY WT - 1,2-DIBROMOETHANE (EDB)	BDL	0.0055	mg/kg
DRY WT - DIBROMOMETHANE	BDL	0.0055	mg/kg
DRY WT - 1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	BDL	0.0055	mg/kg
DRY WT - 1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	BDL	0.0055	mg/kg
DRY WT - 1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	BDL	0.0055	mg/kg
DRY WT - DICHLORODIFLUOROMETHANE	BDL	0.0055	mg/kg
DRY WT - TRANS-1,4-DICHLORO-2-BUTENE	BDL	0.011	mg/kg
DRY WT - 1,1-DICHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - 1,2-DICHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - 1,1-DICHLOROETHENE	0.082	0.0055	mg/kg
DRY WT - CIS-1,2-DICHLOROETHENE	EX	0.0055	mg/kg
DRY WT - TRANS-1,2-DICHLOROETHENE	0.11	0.0055	mg/kg
DRY WT - 1,2-DICHLOROPROPANE	BDL	0.0055	mg/kg
DRY WT - 1,3-DICHLOROPROPANE	BDL	0.0055	mg/kg
DRY WT - 2,2-DICHLOROPROPANE	BDL	0.0055	mg/kg
DRY WT - 1,1-DICHLOROPROPENE	BDL	0.0055	mg/kg
DRY WT - CIS-1,3-DICHLOROPROPENE	BDL	0.0055	mg/kg
DRY WT - TRANS-1,3-DICHLOROPROPENE	BDL	0.0055	mg/kg
DRY WT - ETHYL BENZENE	0.018	0.0055	mg/kg
DRY WT - ETHYL METHACRYLATE	BDL	0.055	mg/kg
DRY WT - 2-HEXANONE	BDL	0.0055	mg/kg
DRY WT - HEXACHLOROBUTADIENE	BDL	0.0055	mg/kg
DRY WT - IODOMETHANE	BDL	0.0055	mg/kg
DRY WT - ISOPROPYLBENZENE (CUMENE)	0.021	0.0055	mg/kg
DRY WT - 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0.072	0.0055	mg/kg
DRY WT - DICHLOROMETHANE (METHYLENE CHLORIDE)	BDL	0.0055	mg/kg
DRY WT - METHYL ETHYL KETONE	BDL	0.011	mg/kg
DRY WT - METHYL-T-BUTYL ETHER (MTBE)	BDL	0.0055	mg/kg
DRY WT - METHYL ISOBUTYL KETONE	BDL	0.011	mg/kg
DRY WT - NAPHTHALENE	0.024	0.0055	mg/kg
DRY WT - N-PROPYLBENZENE	0.035	0.0055	mg/kg
DRY WT - STYRENE	BDL	0.0055	mg/kg
DRY WT - 1,1,1,2-TETRACHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - 1,1,2,2-TETRACHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - TETRACHLOROETHENE	BDL	0.0055	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749077 A2-SW-2(11')

DRY WT - TOLUENE	0.0077	0.0055	mg/kg
DRY WT - 1,2,3-TRICHLOROBENZENE	BDL	0.0055	mg/kg
DRY WT - 1,2,4-TRICHLOROBENZENE	BDL	0.0055	mg/kg
DRY WT - 1,1,1-TRICHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - 1,1,2-TRICHLOROETHANE	BDL	0.0055	mg/kg
DRY WT - TRICHLOROETHENE	EX	0.0055	mg/kg
DRY WT - TRICHLOROFLUOROMETHANE	BDL	0.0055	mg/kg
DRY WT - 1,2,3-TRICHLOROPROPANE	BDL	0.0055	mg/kg
DRY WT - 1,2,4-TRIMETHYLBENZENE	0.31	0.0055	mg/kg
DRY WT - 1,3,5-TRIMETHYLBENZENE	0.094	0.0055	mg/kg
DRY WT - VINYL ACETATE	BDL	0.0055	mg/kg
DRY WT - VINYL CHLORIDE	0.045	0.0055	mg/kg
DRY WT - XYLENES (O/M/P-XYLENE)	0.054	0.0055	mg/kg
SURROGATE RECOVERY			
DICHLOROETHANE-D4	96		% Rec
TOLUENE-D8	104		% Rec
4-BROMOFLUOROBENZENE	98		% Rec
DIBROMOFLUOROMETHANE	104		% Rec

Dilution necessary due to high concentration of target compounds.

Prep Method SW846-5030B Purge and Trap

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y

Analyst: H. WILLIAMS Analysis Date: 19-OCT-06 11:12 Instrument: GC/MS VOA Test: O510.5.1

Prep: HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B P510.3.0

Parameter	Result	Det. Limit	Units
DRY WT - CIS-1,2-DICHLOROETHENE	18.	0.69	mg/kg
DRY WT - TRICHLOROETHENE	21.	0.69	mg/kg
SURROGATE RECOVERY			
DICHLOROETHANE-D4	96		% Rec
TOLUENE-D8	105		% Rec
4-BROMOFLUOROBENZENE	111		% Rec
DIBROMOFLUOROMETHANE	100		% Rec

DILUTION 1:100

HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B

Analyst: R. SHAMP Analysis Date: 18-OCT-06 Instrument: PREP Test: P510.3.0

Parameter	Result	Det. Limit	Units

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749077 A2-SW-2(11')

INITIAL SAMPLE WEIGHT	4.03		Grams
FINAL VOLUME	5		mL

Sample Comments

BDL Below Detection Limit

EX Exceeds calibration range. See Replicate

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2886.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.
The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 24-OCT-06

HERITAGE

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	13-OCT-06	5029	A749078
	Completed	PO Number	
	24-OCT-06	GENUINE PARTS	
	Printed	Sampled	
	24-OCT-06	05-OCT-06 12:30	

Report To	Bill To
ROB FEDORCHAK KERAMIDA ENVIRONMENTAL, INC. 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 401 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample Description

CLIENT ID: A2-WW-1(4')
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 1618
PROJECT NAME: GENUINE PARTS
PROJECT NUMBER: 2829E
PROJECT DESCRIPTION: TOTAL LEAD, VOC, TOTAL SOLIDS

TOTAL SOLIDS EPA 160.3 NELAC:Y
Analyst: B. ADKINS Analysis Date: 17-OCT-06 16:10 Test: G401.7.0

Parameter	Result	Det. Limit	Units
SOLIDS	91	0.001	Percent

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y
Analyst: H. WILLIAMS Analysis Date: 17-OCT-06 10:16 Instrument: GC/MS VOA Test: O510.5.0

Parameter	Result	Det. Limit	Units
DRY WT - ACETONE (2-PROPANONE)	BDL	0.11	mg/kg
DRY WT - ACROLEIN	BDL	0.13	mg/kg
DRY WT - ACRYLONITRILE	BDL	0.13	mg/kg
DRY WT - BENZENE	BDL	0.027	mg/kg
DRY WT - BROMOBENZENE	BDL	0.027	mg/kg
DRY WT - BROMOCHLOROMETHANE	BDL	0.027	mg/kg
DRY WT - BROMODICHLOROMETHANE	BDL	0.027	mg/kg
DRY WT - BROMOFORM	BDL	0.027	mg/kg
DRY WT - BROMOMETHANE	BDL	0.055	mg/kg
DRY WT - N-BUTYLBENZENE	0.77	0.027	mg/kg
DRY WT - SEC-BUTYLBENZENE	1.6	0.027	mg/kg
DRY WT - TERT-BUTYLBENZENE	BDL	0.027	mg/kg
DRY WT - CARBON DISULFIDE	BDL	0.027	mg/kg
DRY WT - CARBON TETRACHLORIDE	BDL	0.027	mg/kg
DRY WT - CHLOROBENZENE	BDL	0.027	mg/kg
DRY WT - DIBROMOCHLOROMETHANE	BDL	0.027	mg/kg
DRY WT - CHLOROETHANE	BDL	0.055	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749078 A2-WW-1(4')

DRY WT - CHLOROFORM	BDL	0.027	mg/kg
DRY WT - CHLOROMETHANE	BDL	0.027	mg/kg
DRY WT - 2-CHLOROTOLUENE (O-CHLOROTOLUENE)	BDL	0.027	mg/kg
DRY WT - 4-CHLOROTOLUENE (P-CHLOROTOLUENE)	BDL	0.027	mg/kg
DRY WT - 2-CHLOROETHYLVINYLETHER	BDL	0.027	mg/kg
DRY WT - 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	BDL	0.027	mg/kg
DRY WT - 1,2-DIBROMOETHANE (EDB)	BDL	0.027	mg/kg
DRY WT - DIBROMOMETHANE	BDL	0.027	mg/kg
DRY WT - 1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	BDL	0.027	mg/kg
DRY WT - 1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	BDL	0.027	mg/kg
DRY WT - 1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	BDL	0.027	mg/kg
DRY WT - DICHLORODIFLUOROMETHANE	BDL	0.027	mg/kg
DRY WT - TRANS-1,4-DICHLORO-2-BUTENE	BDL	0.055	mg/kg
DRY WT - 1,1-DICHLOROETHANE	BDL	0.027	mg/kg
DRY WT - 1,2-DICHLOROETHANE	BDL	0.027	mg/kg
DRY WT - 1,1-DICHLOROETHENE	BDL	0.027	mg/kg
DRY WT - CIS-1,2-DICHLOROETHENE	1.0	0.027	mg/kg
DRY WT - TRANS-1,2-DICHLOROETHENE	BDL	0.027	mg/kg
DRY WT - 1,2-DICHLOROPROPANE	BDL	0.027	mg/kg
DRY WT - 1,3-DICHLOROPROPANE	BDL	0.027	mg/kg
DRY WT - 2,2-DICHLOROPROPANE	BDL	0.027	mg/kg
DRY WT - 1,1-DICHLOROPROPENE	BDL	0.027	mg/kg
DRY WT - CIS-1,3-DICHLOROPROPENE	BDL	0.027	mg/kg
DRY WT - TRANS-1,3-DICHLOROPROPENE	BDL	0.027	mg/kg
DRY WT - ETHYL BENZENE	0.49	0.027	mg/kg
DRY WT - ETHYL METHACRYLATE	BDL	0.27	mg/kg
DRY WT - 2-HEXANONE	BDL	0.027	mg/kg
DRY WT - HEXACHLOROBUTADIENE	BDL	0.027	mg/kg
DRY WT - IODOMETHANE	BDL	0.027	mg/kg
DRY WT - ISOPROPYLBENZENE (CUMENE)	2.0	0.027	mg/kg
DRY WT - 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	EX	0.027	mg/kg
DRY WT - DICHLOROMETHANE (METHYLENE CHLORIDE)	BDL	0.027	mg/kg
DRY WT - METHYL ETHYL KETONE	BDL	0.055	mg/kg
DRY WT - METHYL-T-BUTYL ETHER (MTBE)	BDL	0.027	mg/kg
DRY WT - METHYL ISOBUTYL KETONE	BDL	0.055	mg/kg
DRY WT - NAPHTHALENE	0.64	0.027	mg/kg
DRY WT - N-PROPYLBENZENE	EX	0.027	mg/kg
DRY WT - STYRENE	BDL	0.027	mg/kg
DRY WT - 1,1,1,2-TETRACHLOROETHANE	BDL	0.027	mg/kg
DRY WT - 1,1,2,2-TETRACHLOROETHANE	BDL	0.027	mg/kg
DRY WT - TETRACHLOROETHENE	0.030	0.027	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749078 A2-WW-1(4')

DRY WT - TOLUENE	0.031	0.027	mg/kg
DRY WT - 1,2,3-TRICHLOROBENZENE	BDL	0.027	mg/kg
DRY WT - 1,2,4-TRICHLOROBENZENE	BDL	0.027	mg/kg
DRY WT - 1,1,1-TRICHLOROETHANE	BDL	0.027	mg/kg
DRY WT - 1,1,2-TRICHLOROETHANE	BDL	0.027	mg/kg
DRY WT - TRICHLOROETHENE	BDL	0.027	mg/kg
DRY WT - TRICHLOROFLUOROMETHANE	BDL	0.027	mg/kg
DRY WT - 1,2,3-TRICHLOROPROPANE	BDL	0.027	mg/kg
DRY WT - 1,2,4-TRIMETHYLBENZENE	EX	0.027	mg/kg
DRY WT - 1,3,5-TRIMETHYLBENZENE	EX	0.027	mg/kg
DRY WT - VINYL ACETATE	BDL	0.027	mg/kg
DRY WT - VINYL CHLORIDE	BDL	0.027	mg/kg
DRY WT - XYLENES (O/M/P-XYLENE)	1.6	0.027	mg/kg
SURROGATE RECOVERY			

DICHLOROETHANE-D4	97		% Rec
TOLUENE-D8	104		% Rec
4-BROMOFLUOROBENZENE	* 58		% Rec
DIBROMOFLUOROMETHANE	106		% Rec

Dilution necessary due to high concentration of target compounds.

* ISTD AREAS AND SURROGATE RECOVERY FAILS QC CRITERIA

1G

Prep Method SW846-5030B Purge and Trap

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y

Analyst: H. WILLIAMS Analysis Date: 17-OCT-06 14:06 Instrument: GC/MS VOA Test: O510.5.1

Prep: HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B P510.3.0

Parameter	Result	Det. Limit	Units
DRY WT - 1,3,5-TRIMETHYLBENZENE	5.0	0.69	mg/kg
DRY WT - N-PROPYLBENZENE	4.0	0.69	mg/kg
DRY WT - 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	6.5	0.69	mg/kg
DRY WT - 1,2,4-TRIMETHYLBENZENE	24.	0.69	mg/kg
...			
SURROGATE RECOVERY			

DICHLOROETHANE-D4	91		% Rec
TOLUENE-D8	109		% Rec
4-BROMOFLUOROBENZENE	113		% Rec
DIBROMOFLUOROMETHANE	101		% Rec

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749078 A2-WW-1(4')

DILUTION 1:100

HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B

Analyst: R. SHAMP | Analysis Date: 16-OCT-06 | Instrument: PREP | Test: P510.3.0

Parameter	Result	Det. Limit	Units
INITIAL SAMPLE WEIGHT	4.05		Grams
FINAL VOLUME	5		mL

Sample Comments

* See Note for Parameter

BDL Below Detection Limit

EX Exceeds calibration range. See Replicate

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2886.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.
The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 24-OCT-06

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	13-OCT-06	5029	A749079
	Completed	PO Number	
	24-OCT-06	GENUINE PARTS	
	Printed	Sampled	
	24-OCT-06	05-OCT-06 12:35	

Report To	Bill To
ROB FEDORCHAK KERAMIDA ENVIRONMENTAL, INC. 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	ACCOUNTS PAYABLE KERAMIDA ENVIRONMENTAL, INC. 401 N. COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample Description

CLIENT ID: A2-WW-2(9')
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 1618
PROJECT NAME: GENUINE PARTS
PROJECT NUMBER: 2829E
PROJECT DESCRIPTION: TOTAL LEAD, VOC, TOTAL SOLIDS

TOTAL SOLIDS EPA 160.3 NELAC:Y
Analyst: B. ADKINS Analysis Date: 17-OCT-06 16:10 Test: G401.7.0

Parameter	Result	Det. Limit	Units
SOLIDS	95	0.001	Percent

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B NELAC:Y
Analyst: H. WILLIAMS Analysis Date: 17-OCT-06 13:28 Instrument: GC/MS VOA Test: O510.5.0

Parameter	Result	Det. Limit	Units
DRY WT - ACETONE (2-PROPANONE)	BDL	0.021	mg/kg
DRY WT - ACROLEIN	BDL	0.026	mg/kg
DRY WT - ACRYLONITRILE	BDL	0.026	mg/kg
DRY WT - BENZENE	BDL	0.0053	mg/kg
DRY WT - BROMOBENZENE	BDL	0.0053	mg/kg
DRY WT - BROMOCHLOROMETHANE	BDL	0.0053	mg/kg
DRY WT - BROMODICHLOROMETHANE	BDL	0.0053	mg/kg
DRY WT - BROMOFORM	BDL	0.0053	mg/kg
DRY WT - BROMOMETHANE	BDL	0.010	mg/kg
DRY WT - N-BUTYLBENZENE	BDL	0.0053	mg/kg
DRY WT - SEC-BUTYLBENZENE	BDL	0.0053	mg/kg
DRY WT - TERT-BUTYLBENZENE	BDL	0.0053	mg/kg
DRY WT - CARBON DISULFIDE	BDL	0.0053	mg/kg
DRY WT - CARBON TETRACHLORIDE	BDL	0.0053	mg/kg
DRY WT - CHLOROBENZENE	BDL	0.0053	mg/kg
DRY WT - DIBROMOCHLOROMETHANE	BDL	0.0053	mg/kg
DRY WT - CHLOROETHANE	BDL	0.010	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749079 A2-WW-2(9')

DRY WT - CHLOROFORM	BDL	0.0053	mg/kg
DRY WT - CHLOROMETHANE	BDL	0.0053	mg/kg
DRY WT - 2-CHLOROTOLUENE (O-CHLOROTOLUENE)	BDL	0.0053	mg/kg
DRY WT - 4-CHLOROTOLUENE (P-CHLOROTOLUENE)	BDL	0.0053	mg/kg
DRY WT - 2-CHLOROETHYLVINYLETHER	BDL	0.0053	mg/kg
DRY WT - 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	BDL	0.0053	mg/kg
DRY WT - 1,2-DIBROMOETHANE (EDB)	BDL	0.0053	mg/kg
DRY WT - DIBROMOMETHANE	BDL	0.0053	mg/kg
DRY WT - 1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	BDL	0.0053	mg/kg
DRY WT - 1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	BDL	0.0053	mg/kg
DRY WT - 1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	BDL	0.0053	mg/kg
DRY WT - DICHLORODIFLUOROMETHANE	BDL	0.0053	mg/kg
DRY WT - TRANS-1,4-DICHLORO-2-BUTENE	BDL	0.010	mg/kg
DRY WT - 1,1-DICHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - 1,2-DICHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - 1,1-DICHLOROETHENE	BDL	0.0053	mg/kg
DRY WT - CIS-1,2-DICHLOROETHENE	0.13	0.0053	mg/kg
DRY WT - TRANS-1,2-DICHLOROETHENE	BDL	0.0053	mg/kg
DRY WT - 1,2-DICHLOROPROPANE	BDL	0.0053	mg/kg
DRY WT - 1,3-DICHLOROPROPANE	BDL	0.0053	mg/kg
DRY WT - 2,2-DICHLOROPROPANE	BDL	0.0053	mg/kg
DRY WT - 1,1-DICHLOROPROPENE	BDL	0.0053	mg/kg
DRY WT - CIS-1,3-DICHLOROPROPENE	BDL	0.0053	mg/kg
DRY WT - TRANS-1,3-DICHLOROPROPENE	BDL	0.0053	mg/kg
DRY WT - ETHYL BENZENE	BDL	0.0053	mg/kg
DRY WT - ETHYL METHACRYLATE	BDL	0.053	mg/kg
DRY WT - 2-HEXANONE	BDL	0.0053	mg/kg
DRY WT - HEXACHLOROBUTADIENE	BDL	0.0053	mg/kg
DRY WT - IODOMETHANE	BDL	0.0053	mg/kg
DRY WT - ISOPROPYLBENZENE (CUMENE)	BDL	0.0053	mg/kg
DRY WT - 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	BDL	0.0053	mg/kg
DRY WT - DICHLOROMETHANE (METHYLENE CHLORIDE)	BDL	0.0053	mg/kg
DRY WT - METHYL ETHYL KETONE	BDL	0.010	mg/kg
DRY WT - METHYL-T-BUTYL ETHER (MTBE)	BDL	0.0053	mg/kg
DRY WT - METHYL ISOBUTYL KETONE	BDL	0.010	mg/kg
DRY WT - NAPHTHALENE	BDL	0.0053	mg/kg
DRY WT - N-PROPYLBENZENE	BDL	0.0053	mg/kg
DRY WT - STYRENE	BDL	0.0053	mg/kg
DRY WT - 1,1,1,2-TETRACHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - 1,1,2,2-TETRACHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - TETRACHLOROETHENE	BDL	0.0053	mg/kg

HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A749079 A2-WW-2(9')

DRY WT - TOLUENE	BDL	0.0053	mg/kg
DRY WT - 1,2,3-TRICHLOROBENZENE	BDL	0.0053	mg/kg
DRY WT - 1,2,4-TRICHLOROBENZENE	BDL	0.0053	mg/kg
DRY WT - 1,1,1-TRICHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - 1,1,2-TRICHLOROETHANE	BDL	0.0053	mg/kg
DRY WT - TRICHLOROETHENE	0.040	0.0053	mg/kg
DRY WT - TRICHLOROFLUOROMETHANE	BDL	0.0053	mg/kg
DRY WT - 1,2,3-TRICHLOROPROPANE	BDL	0.0053	mg/kg
DRY WT - 1,2,4-TRIMETHYLBENZENE	0.0083	0.0053	mg/kg
DRY WT - 1,3,5-TRIMETHYLBENZENE	BDL	0.0053	mg/kg
DRY WT - VINYL ACETATE	BDL	0.0053	mg/kg
DRY WT - VINYL CHLORIDE	BDL	0.0053	mg/kg
DRY WT - XYLENES (O/M/P-XYLENE)	BDL	0.0053	mg/kg
SURROGATE RECOVERY			
DICHLOROETHANE-D4	95		% Rec
TOLUENE-D8	106		% Rec
4-BROMOFLUOROBENZENE	118		% Rec
DIBROMOFLUOROMETHANE	104		% Rec

Prep Method SW846-5030B Purge and Trap

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2886.

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The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
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Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 24-OCT-06

Quality Assurance Report

NJC4929

24-OCT-06

Service Location	Submitter
Heritage Environmental Services, LLC Commercial Laboratory Operations 7901 West Morris Street Indianapolis, IN 46231 (317) 243-8304	ROB FEDORCHAK KERAMIDA ENVIRONMENTAL, INC. 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample ID	Client ID	Date/Time Sampled	Date Received	Date Complete
A749076	A2-SW-1(6')	05-Oct-06 10:30	13-Oct-06	24-Oct-06
	PROJECT NAME :	GENUINE PARTS		
	PROJECT NUMBER :	2829E		
	PROJECT DESCRIPTION :	TOTAL LEAD, VOC, TOTAL SOLIDS		
A749077	A2-SW-2(11')	05-Oct-06 10:35	13-Oct-06	24-Oct-06
	PROJECT NAME :	GENUINE PARTS		
	PROJECT NUMBER :	2829E		
	PROJECT DESCRIPTION :	TOTAL LEAD, VOC, TOTAL SOLIDS		
A749078	A2-WW-1(4')	05-Oct-06 12:30	13-Oct-06	24-Oct-06
	PROJECT NAME :	GENUINE PARTS		
	PROJECT NUMBER :	2829E		
	PROJECT DESCRIPTION :	TOTAL LEAD, VOC, TOTAL SOLIDS		
A749079	A2-WW-2(9')	05-Oct-06 12:35	13-Oct-06	24-Oct-06
	PROJECT NAME :	GENUINE PARTS		
	PROJECT NUMBER :	2829E		
	PROJECT DESCRIPTION :	TOTAL LEAD, VOC, TOTAL SOLIDS		

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5
Prep : HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B

R509623 Analyst: H WILLIAMS Run Date: 28-Sep-06 Instrument: PREP
Prep Reviewer: R SHAMP Review Date: 18-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI02	Q1888515	A747905	Analytical Run: R509893							
DPS02	Q1888516	A747905	Analytical Run: R509893							
LCS	Q1888826	METHOD 826	Analytical Run: R510038							
SAMPLE	A749078	Rep: 1	Analytical Run: R510458							
LCS	Q1891679	METHOD 826	Analytical Run: R510493							
SAMPLE	A749077	Rep: 1	Analytical Run: R510493							

R509893 Analyst: H WILLIAMS Run Date: 04-Oct-06 Instrument: GC/MS VOA
Analytical Reviewer: R SHAMP Review Date: 05-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI02	Q1888515	A747905	Analysis Date/Time: 04-Oct-06 16:08							
SPI02	Q1888515	A747905	1,3,5-TRIMETHYLBENZENE	0	6.25		6.11	mg/kg	97.8	
SPI02	Q1888515	A747905	N-PROPYLBENZENE	0	6.25		5.79	mg/kg	92.6	
SPI02	Q1888515	A747905	CIS-1,2-DICHLOROETHENE	20	6.25		24.6	mg/kg	73.6	
SPI02	Q1888515	A747905	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25		5.92	mg/kg	94.7	
SPI02	Q1888515	A747905	TRICHLOROETHENE	0	6.25		6.03	mg/kg	96.5	
SPI02	Q1888515	A747905	1,2,4-TRIMETHYLBENZENE	0	6.25		6.2	mg/kg	99.2	
DPS02	Q1888516	A747905	Analysis Date/Time: 04-Oct-06 16:46							
DPS02	Q1888516	A747905	1,3,5-TRIMETHYLBENZENE	0	6.25		6.18	mg/kg	98.9	1.2
DPS02	Q1888516	A747905	N-PROPYLBENZENE	0	6.25		5.91	mg/kg	94.6	2.1
DPS02	Q1888516	A747905	CIS-1,2-DICHLOROETHENE	20	6.25	I	21.3	mg/kg	20.8	111.9
DPS02	Q1888516	A747905	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25		6.07	mg/kg	97.1	2.5
DPS02	Q1888516	A747905	TRICHLOROETHENE	0	6.25		6.33	mg/kg	101.3	4.9
DPS02	Q1888516	A747905	1,2,4-TRIMETHYLBENZENE	0	6.25		6.3	mg/kg	100.9	1.7

Q1873168 Value reported for analytes calibrated by linear (LIN) or
Q1873168 quadratic (QDR) equations is r2 (Coef. of Determination).

R510038 Analyst: H WILLIAMS Run Date: 06-Oct-06 Instrument: GC/MS VOA
Analytical Reviewer: L SMITH Review Date: 10-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
LCS	Q1888826	METHOD 826	Analysis Date/Time: 06-Oct-06 05:52							
LCS	Q1888826	METHOD 826	1,3,5-TRIMETHYLBENZENE	2.5			2.8	mg/kg	112	
LCS	Q1888826	METHOD 826	N-PROPYLBENZENE	2.5			2.59	mg/kg	103.6	
LCS	Q1888826	METHOD 826	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	2.5			2.87	mg/kg	114.8	
LCS	Q1888826	METHOD 826	1,2,4-TRIMETHYLBENZENE	2.5			2.81	mg/kg	112.4	

Q1873168 Value reported for analytes calibrated by linear (LIN) or
Q1873168 quadratic (QDR) equations is r2 (Coef. of Determination).

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06 Instrument: GC/MS VOA
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B **O510.5**
Prep : HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		Analysis Date/Time: 16-Aug-06 10:26							
CAL01	Q1873168		1,3,5-TRIMETHYLBENZENE	1.6943						8
CAL01	Q1873168		N-PROPYLBENZENE	0.3642						6.8
CAL01	Q1873168		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419						14
CAL01	Q1873168		1,2,4-TRIMETHYLBENZENE	1.6373						6.8
CAL01	Q1873168		DICHLOROETHANE-D4	0.4057						1.8
CAL01	Q1873168		TOLUENE-D8	0.8893						1.7
CAL01	Q1873168		4-BROMOFLUOROBENZENE	0.7304						0.7
CAL01	Q1873168		DIBROMOFLUOROMETHANE	0.6387						1.8
CCVD	Q1892356		Analysis Date/Time: 17-Oct-06 07:02							
CCVD	Q1892356		1,3,5-TRIMETHYLBENZENE	1.6943			1.7244			1.8
CCVD	Q1892356		N-PROPYLBENZENE	0.3642			0.3621			0.6
CCVD	Q1892356		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419			1.7095			4.1
CCVD	Q1892356		1,2,4-TRIMETHYLBENZENE	1.6373			1.7086			4.4
CCVD	Q1892356		DICHLOROETHANE-D4	0.4057			0.3873			4.5
CCVD	Q1892356		TOLUENE-D8	0.8893			0.9254			4.1
CCVD	Q1892356		4-BROMOFLUOROBENZENE	0.7304			0.8411			15.2
CCVD	Q1892356		DIBROMOFLUOROMETHANE	0.6387			0.6508			1.9
BLA01	Q1892357		Analysis Date/Time: 17-Oct-06 08:43							
BLA01	Q1892357		1,3,5-TRIMETHYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		N-PROPYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2,4-TRIMETHYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		DICHLOROETHANE-D4						95	
BLA01	Q1892357		TOLUENE-D8						108	
BLA01	Q1892357		4-BROMOFLUOROBENZENE						122	
BLA01	Q1892357		DIBROMOFLUOROMETHANE						103	
LCS01	Q1892358		Analysis Date/Time: 17-Oct-06 09:37							
LCS01	Q1892358		1,2,4-TRIMETHYLBENZENE	20			20.5	ug/kg	102.5	
SAMPLE	A749078		Analysis Date/Time: 17-Oct-06 10:16							
SAMPLE	A749078		Analysis Date/Time: 17-Oct-06 14:06							
SAMPLE	A749078		See Certificate of Analysis, Rep: 1							

Q1873168 Value reported for analytes calibrated by linear (LIN) or
Q1873168 quadratic (QDR) equations is r2 (Coef. of Determination).
Q1892356 Value reported for analytes calibrated by linear (LIN) or quadratic (QDR)
Q1892356 equations is concentration (UG/KG MG/KG).
Q1892357 Blank is acceptable for medium level soils with a detection limit
Q1892357 multiplier of 0.125 and units of mg/kg.

R510493 Analyst: H WILLIAMS Run Date: 19-Oct-06 Instrument: GC/MS VOA
Analytical Reviewer: R SHAMP Review Date: 20-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		Analysis Date/Time: 16-Aug-06 10:26							
CAL01	Q1873168		CIS-1,2-DICHLOROETHENE	0.3923						7.9
CAL01	Q1873168		TRICHLOROETHENE	0.4167						14.3

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B **O510.5**
Prep : HIGH CONC. SOIL PURGE AND TRAP METHOD FOR ORGANIC ANALYTES SW846-5030B

R510493 Analyst: H WILLIAMS Run Date: 19-Oct-06
Analytical Reviewer: R SHAMP Review Date: 20-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		DICHLOROETHANE-D4	0.4057						1.8
CAL01	Q1873168		TOLUENE-D8	0.8893						1.7
CAL01	Q1873168		4-BROMOFLUOROBENZENE	0.7304						0.7
CAL01	Q1873168		DIBROMOFLUOROMETHANE	0.6387						1.8
CCVD	Q1892559		Analysis Date/Time: 19-Oct-06 07:11							
CCVD	Q1892559		CIS-1,2-DICHLOROETHENE	0.3923			0.4504			14.8
CCVD	Q1892559		TRICHLOROETHENE	0.4167			0.5013			20.3
CCVD	Q1892559		DICHLOROETHANE-D4	0.4057			0.3959			2.4
CCVD	Q1892559		TOLUENE-D8	0.8893			0.9145			2.8
CCVD	Q1892559		4-BROMOFLUOROBENZENE	0.7304			0.8012			9.7
CCVD	Q1892559		DIBROMOFLUOROMETHANE	0.6387			0.6549			2.5
BLA01	Q1892560		Analysis Date/Time: 19-Oct-06 07:55							
BLA01	Q1892560		CIS-1,2-DICHLOROETHENE			BDL	5.0	ug/L		
BLA01	Q1892560		TRICHLOROETHENE			BDL	5.0	ug/L		
BLA01	Q1892560		DICHLOROETHANE-D4						97	
BLA01	Q1892560		TOLUENE-D8						103	
BLA01	Q1892560		4-BROMOFLUOROBENZENE						108	
BLA01	Q1892560		DIBROMOFLUOROMETHANE						102	
LCS	Q1891679	METHOD 826	Analysis Date/Time: 19-Oct-06 09:20							
LCS	Q1891679	METHOD 826	1,3,5-TRIMETHYLBENZENE	2.5			3.01	mg/kg	120.4	
LCS	Q1891679	METHOD 826	N-PROPYLBENZENE	2.5			2.87	mg/kg	114.8	
LCS	Q1891679	METHOD 826	CIS-1,2-DICHLOROETHENE	2.5			2.98	mg/kg	119.2	
LCS	Q1891679	METHOD 826	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	2.5			3.27	mg/kg	130.8	
LCS	Q1891679	METHOD 826	TRICHLOROETHENE	2.5			3.19	mg/kg	127.6	
LCS	Q1891679	METHOD 826	1,2,4-TRIMETHYLBENZENE	2.5			3.09	mg/kg	123.6	
SAMPLE	A749077		Analysis Date/Time: 19-Oct-06 11:12							
SAMPLE	A749077		See Certificate of Analysis, Rep: 1							

Q1873168 Value reported for analytes calibrated by linear (LIN) or
Q1873168 quadratic (QDR) equations is r2 (Coef. of Determination).
Q1892559 Value reported for analytes calibrated by linear (LIN) or quadratic (QDR)
Q1892559 equations is concentration (UG/KG MG/KG UG/L).
Q1892560 Blank is acceptable for medium level soils with a detection limit
Q1892560 multiplier of 0.125 and units of mg/kg.
Q1892560 Blank is acceptable for low level soils. Units are ug/kg.

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B **O510.5**

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06 Instrument: GC/MS VOA
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		Analysis Date/Time: 16-Aug-06 10:26							
CAL01	Q1873168		ACETONE (2-PROPANONE)	0.1311						12.5
CAL01	Q1873168		ACROLEIN	0.0107						10.5

HERITAGE

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VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		ACRYLONITRILE	0.0926						6.3
CAL01	Q1873168		BENZENE	0.9084						13.1
CAL01	Q1873168		BROMOBENZENE	2.7665						8.2
CAL01	Q1873168		BROMOCHLOROMETHANE	0.2684						5.4
CAL01	Q1873168		BROMODICHLOROMETHANE	0.8323						7.3
CAL01	Q1873168		BROMOFORM	0.7927						8.7
CAL01	Q1873168		BROMOMETHANE			QDR				0.999
CAL01	Q1873168		N-BUTYLBENZENE	1.0969						10.4
CAL01	Q1873168		SEC-BUTYLBENZENE	2.7285						7.6
CAL01	Q1873168		TERT-BUTYLBENZENE	1.9118						7
CAL01	Q1873168		CARBON DISULFIDE			QDR				1.000
CAL01	Q1873168		CARBON TETRACHLORIDE	0.5269						8
CAL01	Q1873168		CHLOROBENZENE	1.0074						6.9
CAL01	Q1873168		DIBROMOCHLOROMETHANE	0.9057						6.6
CAL01	Q1873168		CHLOROETHANE	0.2004						12.9
CAL01	Q1873168		CHLOROFORM	0.7814						6.7
CAL01	Q1873168		CHLOROMETHANE	0.4146						2.6
CAL01	Q1873168		2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820						6.5
CAL01	Q1873168		4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353						10.5
CAL01	Q1873168		2-CHLOROETHYLVINYLETHER	0.2760						6.1
CAL01	Q1873168		1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222						3.7
CAL01	Q1873168		1,2-DIBROMOETHANE (EDB)	0.5783						8
CAL01	Q1873168		DIBROMOMETHANE	0.4550						7.6
CAL01	Q1873168		1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446						10.2
CAL01	Q1873168		1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076						14.6
CAL01	Q1873168		1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635						9.5
CAL01	Q1873168		DICHLORODIFLUOROMETHANE	0.5083						3.8
CAL01	Q1873168		TRANS-1,4-DICHLORO-2-BUTENE	1.8783						17.2
CAL01	Q1873168		1,1-DICHLOROETHANE	0.8247						5.1
CAL01	Q1873168		1,2-DICHLOROETHANE	0.5401						8.7
CAL01	Q1873168		1,1-DICHLOROETHENE	0.3227						9.7
CAL01	Q1873168		CIS-1,2-DICHLOROETHENE	0.3923						7.9
CAL01	Q1873168		TRANS-1,2-DICHLOROETHENE	0.3598						8.9
CAL01	Q1873168		1,2-DICHLOROPROPANE	0.5518						5.1
CAL01	Q1873168		1,3-DICHLOROPROPANE	0.8861						7.8
CAL01	Q1873168		1,1-DICHLOROPROPENE	0.5823						11.2
CAL01	Q1873168		CIS-1,3-DICHLOROPROPENE	0.6712						3.8
CAL01	Q1873168		TRANS-1,3-DICHLOROPROPENE	0.5243						2.9
CAL01	Q1873168		ETHYL BENZENE	0.4280						13.5
CAL01	Q1873168		ETHYL METHACRYLATE	7.3023						19.5
CAL01	Q1873168		2-HEXANONE	0.6826						2.8
CAL01	Q1873168		HEXACHLOROBUTADIENE	0.8337						8.2
CAL01	Q1873168		IODOMETHANE	0.8811						7.1
CAL01	Q1873168		ISOPROPYLBENZENE (CUMENE)	2.3211						2.6

HERITAGE

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VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CAL01	Q1873168		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419						14
CAL01	Q1873168		DICHLOROMETHANE (METHYLENE CHLORIDE)			QDR				1.000
CAL01	Q1873168		METHYL ETHYL KETONE	0.8481						2.2
CAL01	Q1873168		METHYL-T-BUTYL ETHER (MTBE)	0.7159						6.8
CAL01	Q1873168		METHYL ISOBUTYL KETONE	0.6883						2.8
CAL01	Q1873168		NAPHTHALENE	1.1332						3.6
CAL01	Q1873168		N-PROPYLBENZENE	0.3642						6.8
CAL01	Q1873168		STYRENE	0.8176						13.1
CAL01	Q1873168		1,1,1,2-TETRACHLOROETHANE	0.5688						10.3
CAL01	Q1873168		1,1,2,2-TETRACHLOROETHANE	1.7099						9.4
CAL01	Q1873168		TETRACHLOROETHENE	0.7086						11.9
CAL01	Q1873168		TOLUENE	0.9845						7.7
CAL01	Q1873168		1,2,3-TRICHLOROBENZENE	0.6814						5.4
CAL01	Q1873168		1,2,4-TRICHLOROBENZENE	0.7389						5.4
CAL01	Q1873168		1,1,1-TRICHLOROETHANE	0.5757						6.3
CAL01	Q1873168		1,1,2-TRICHLOROETHANE	0.3808						7.1
CAL01	Q1873168		TRICHLOROETHENE	0.4167						14.3
CAL01	Q1873168		TRICHLOROFLUOROMETHANE	0.5591						12.1
CAL01	Q1873168		1,2,3-TRICHLOROPROPANE	0.3382						7.3
CAL01	Q1873168		1,2,4-TRIMETHYLBENZENE	1.6373						6.8
CAL01	Q1873168		1,3,5-TRIMETHYLBENZENE	1.6943						8
CAL01	Q1873168		VINYL ACETATE	0.3073						4.9
CAL01	Q1873168		VINYL CHLORIDE	0.3860						1.8
CAL01	Q1873168		DICHLOROETHANE-D4	0.4057						1.8
CAL01	Q1873168		TOLUENE-D8	0.8893						1.7
CAL01	Q1873168		4-BROMOFLUOROBENZENE	0.7304						0.7
CAL01	Q1873168		DIBROMOFLUOROMETHANE	0.6387						1.8
CCVD	Q1892356		Analysis Date/Time: 17-Oct-06 07:02							
CCVD	Q1892356		ACETONE (2-PROPANONE)	0.1311			0.1517			15.7
CCVD	Q1892356		ACROLEIN	0.0107			0.0105			1.9
CCVD	Q1892356		ACRYLONITRILE	0.0926			0.2122			129.2
CCVD	Q1892356		BENZENE	0.9084			0.9437			3.9
CCVD	Q1892356		BROMOBENZENE	2.7665			2.5718			7
CCVD	Q1892356		BROMOCHLOROMETHANE	0.2684			0.2842			5.9
CCVD	Q1892356		BROMODICHLOROMETHANE	0.8323			0.8549			2.7
CCVD	Q1892356		BROMOFORM	0.7927			0.7966			0.5
CCVD	Q1892356		BROMOMETHANE	50.0		QDR	36.5			27
CCVD	Q1892356		N-BUTYLBENZENE	1.0969			1.1558			5.4
CCVD	Q1892356		SEC-BUTYLBENZENE	2.7285			2.7283			0
CCVD	Q1892356		TERT-BUTYLBENZENE	1.9118			1.9170			0.3
CCVD	Q1892356		CARBON DISULFIDE	50.0		QDR	52.8			5.6
CCVD	Q1892356		CARBON TETRACHLORIDE	0.5269			0.5265			0.1
CCVD	Q1892356		CHLOROBENZENE	1.0074			0.9624			4.5
CCVD	Q1892356		DIBROMOCHLOROMETHANE	0.9057			0.8677			4.2
CCVD	Q1892356		CHLOROETHANE	0.2004			0.1337			33.3
CCVD	Q1892356		CHLOROFORM	0.7814			0.7919			1.3

HERITAGE

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VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCVD	Q1892356		CHLOROMETHANE	0.4146			0.3032			26.9
CCVD	Q1892356		2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820			0.6567			3.7
CCVD	Q1892356		4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353			0.6533			2.8
CCVD	Q1892356		2-CHLOROETHYLVINYLETHER	0.2760			0.3122			13.1
CCVD	Q1892356		1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222			0.4586			8.6
CCVD	Q1892356		1,2-DIBROMOETHANE (EDB)	0.5783			0.6438			11.3
CCVD	Q1892356		DIBROMOMETHANE	0.4550			0.4773			4.9
CCVD	Q1892356		1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446			1.3555			0.8
CCVD	Q1892356		1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076			1.3458			2.9
CCVD	Q1892356		1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635			1.4122			3.6
CCVD	Q1892356		DICHLORODIFLUOROMETHANE	0.5083			0.2229			56.1
CCVD	Q1892356		1,1-DICHLOROETHANE	0.8247			0.8553			3.7
CCVD	Q1892356		1,2-DICHLOROETHANE	0.5401			0.5214			3.5
CCVD	Q1892356		1,1-DICHLOROETHENE	0.3227			0.3486			8
CCVD	Q1892356		CIS-1,2-DICHLOROETHENE	0.3923			0.4143			5.6
CCVD	Q1892356		TRANS-1,2-DICHLOROETHENE	0.3598			0.3940			9.5
CCVD	Q1892356		1,2-DICHLOROPROPANE	0.5518			0.5442			1.4
CCVD	Q1892356		1,3-DICHLOROPROPANE	0.8861			0.8216			7.3
CCVD	Q1892356		1,1-DICHLOROPROPENE	0.5823			0.6037			3.7
CCVD	Q1892356		CIS-1,3-DICHLOROPROPENE	0.6712			0.7071			5.3
CCVD	Q1892356		TRANS-1,3-DICHLOROPROPENE	0.5243			0.5711			8.9
CCVD	Q1892356		ETHYL BENZENE	0.4280			0.4102			4.2
CCVD	Q1892356		2-HEXANONE	0.6826			0.6974			2.2
CCVD	Q1892356		HEXACHLOROBUTADIENE	0.8337			0.9396			12.7
CCVD	Q1892356		IODOMETHANE	0.8811			0.9129			3.6
CCVD	Q1892356		ISOPROPYLBENZENE (CUMENE)	2.3211			2.2628			2.5
CCVD	Q1892356		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419			1.7095			4.1
CCVD	Q1892356		DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		QDR	55.9			11.8
CCVD	Q1892356		METHYL ETHYL KETONE	0.8481			0.9468			11.6
CCVD	Q1892356		METHYL-T-BUTYL ETHER (MTBE)	0.7159			0.8358			16.7
CCVD	Q1892356		METHYL ISOBUTYL KETONE	0.6883			0.7551			9.7
CCVD	Q1892356		NAPHTHALENE	1.1332			1.4402			27.1
CCVD	Q1892356		N-PROPYLBENZENE	0.3642			0.3621			0.6
CCVD	Q1892356		STYRENE	0.8176			0.8239			0.8
CCVD	Q1892356		1,1,1,2-TETRACHLOROETHANE	0.5688			0.5388			5.3
CCVD	Q1892356		1,1,2,2-TETRACHLOROETHANE	1.7099			1.6917			1.1
CCVD	Q1892356		TETRACHLOROETHENE	0.7086			0.7132			0.6
CCVD	Q1892356		TOLUENE	0.9845			1.0441			6.1
CCVD	Q1892356		1,2,3-TRICHLOROBENZENE	0.6814			0.8985			31.9
CCVD	Q1892356		1,2,4-TRICHLOROBENZENE	0.7389			0.9620			30.2
CCVD	Q1892356		1,1,1-TRICHLOROETHANE	0.5757			0.5849			1.6
CCVD	Q1892356		1,1,2-TRICHLOROETHANE	0.3808			0.4232			11.1
CCVD	Q1892356		TRICHLOROETHENE	0.4167			0.4535			8.8

HERITAGE

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VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCVD	Q1892356		TRICHLOROFLUOROMETHANE	0.5591			0.5419			3.1
CCVD	Q1892356		1,2,3-TRICHLOROPROPANE	0.3382			0.3391			0.3
CCVD	Q1892356		1,2,4-TRIMETHYLBENZENE	1.6373			1.7086			4.4
CCVD	Q1892356		1,3,5-TRIMETHYLBENZENE	1.6943			1.7244			1.8
CCVD	Q1892356		VINYL ACETATE	0.3073			0.3453			12.4
CCVD	Q1892356		VINYL CHLORIDE	0.3860			0.3222			16.5
CCVD	Q1892356		DICHLOROETHANE-D4	0.4057			0.3873			4.5
CCVD	Q1892356		TOLUENE-D8	0.8893			0.9254			4.1
CCVD	Q1892356		4-BROMOFLUOROBENZENE	0.7304			0.8411			15.2
CCVD	Q1892356		DIBROMOFLUOROMETHANE	0.6387			0.6508			1.9
BLA01	Q1892357		Analysis Date/Time: 17-Oct-06 08:43							
BLA01	Q1892357		ACETONE (2-PROPANONE)			BDL	10.	ug/kg		
BLA01	Q1892357		ACROLEIN			BDL	50.	ug/kg		
BLA01	Q1892357		ACRYLONITRILE			BDL	70.	ug/kg		
BLA01	Q1892357		BENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		BROMOBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		BROMOCHLOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		BROMODICHLOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		BROMOFORM			BDL	5.0	ug/kg		
BLA01	Q1892357		BROMOMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		N-BUTYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		SEC-BUTYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		TERT-BUTYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		CARBON DISULFIDE			BDL	5.0	ug/kg		
BLA01	Q1892357		CARBON TETRACHLORIDE			BDL	5.0	ug/kg		
BLA01	Q1892357		CHLOROBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		DIBROMOCHLOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		CHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		CHLOROFORM			BDL	5.0	ug/kg		
BLA01	Q1892357		CHLOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		2-CHLOROTOLUENE (O-CHLOROTOLUENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		4-CHLOROTOLUENE (P-CHLOROTOLUENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		2-CHLOROETHYLVINYLETHER			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2-DIBROMOETHANE (EDB)			BDL	5.0	ug/kg		
BLA01	Q1892357		DIBROMOMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		DICHLORODIFLUOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1-DICHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2-DICHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1-DICHLOROETHENE			BDL	5.0	ug/kg		
BLA01	Q1892357		CIS-1,2-DICHLOROETHENE			BDL	5.0	ug/kg		

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA01	Q1892357		TRANS-1,2-DICHLOROETHENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2-DICHLOROPROPANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,3-DICHLOROPROPANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1-DICHLOROPROPENE			BDL	5.0	ug/kg		
BLA01	Q1892357		CIS-1,3-DICHLOROPROPENE			BDL	5.0	ug/kg		
BLA01	Q1892357		TRANS-1,3-DICHLOROPROPENE			BDL	5.0	ug/kg		
BLA01	Q1892357		ETHYL BENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		2-HEXANONE			BDL	10.	ug/kg		
BLA01	Q1892357		HEXACHLOROBUTADIENE			BDL	5.0	ug/kg		
BLA01	Q1892357		IODOMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		ISOPROPYLBENZENE (CUMENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			BDL	5.0	ug/kg		
BLA01	Q1892357		DICHLOROMETHANE (METHYLENE CHLORIDE)			BDL	5.0	ug/kg		
BLA01	Q1892357		METHYL ETHYL KETONE			BDL	10.	ug/kg		
BLA01	Q1892357		METHYL-T-BUTYL ETHER (MTBE)			BDL	5.0	ug/kg		
BLA01	Q1892357		METHYL ISOBUTYL KETONE			BDL	10.	ug/kg		
BLA01	Q1892357		NAPHTHALENE			BDL	5.0	ug/kg		
BLA01	Q1892357		N-PROPYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		STYRENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1,1,2-TETRACHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1,2,2-TETRACHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		TETRACHLOROETHENE			BDL	5.0	ug/kg		
BLA01	Q1892357		TOLUENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2,3-TRICHLOROBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2,4-TRICHLOROBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1,1-TRICHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,1,2-TRICHLOROETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		TRICHLOROETHENE			BDL	5.0	ug/kg		
BLA01	Q1892357		TRICHLOROFLUOROMETHANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2,3-TRICHLOROPROPANE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,2,4-TRIMETHYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		1,3,5-TRIMETHYLBENZENE			BDL	5.0	ug/kg		
BLA01	Q1892357		VINYL ACETATE			BDL	5.0	ug/kg		
BLA01	Q1892357		VINYL CHLORIDE			BDL	5.0	ug/kg		
BLA01	Q1892357		DICHLOROETHANE-D4						95	
BLA01	Q1892357		TOLUENE-D8						108	
BLA01	Q1892357		4-BROMOFLUOROBENZENE						122	
BLA01	Q1892357		DIBROMOFLUOROMETHANE						103	
LCS01	Q1892358		Analysis Date/Time: 17-Oct-06 09:37							
LCS01	Q1892358		TERT-BUTYLBENZENE	20			20.7	ug/kg	103.5	
LCS01	Q1892358		DICHLORODIFLUOROMETHANE	20			10.3	ug/kg	51.5	
LCS01	Q1892358		TETRACHLOROETHENE	20			22.7	ug/kg	113.5	
LCS01	Q1892358		1,2,4-TRIMETHYLBENZENE	20			20.5	ug/kg	102.5	
SAMPLE	A749076		Analysis Date/Time: 17-Oct-06 10:54							
SAMPLE	A749076		See Certificate of Analysis, Rep: 0							
SAMPLE	A749078		Analysis Date/Time: 17-Oct-06 10:16							

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SAMPLE	A749078		Analysis Date/Time: 17-Oct-06 14:06							
SAMPLE	A749078		See Certificate of Analysis, Rep: 0							
SAMPLE	A749077		Analysis Date/Time: 17-Oct-06 12:49							
SAMPLE	A749077		See Certificate of Analysis, Rep: 0							
SAMPLE	A749079		Analysis Date/Time: 17-Oct-06 13:28							
SAMPLE	A749079		See Certificate of Analysis, Rep: 0							
SPI01	Q1892359	A749076	Analysis Date/Time: 17-Oct-06 11:33							
SPI01	Q1892359	A749076	ACETONE (2-PROPANONE)	0	50		44.3	ug/kg	88.6	
SPI01	Q1892359	A749076	ACROLEIN	0	250		233	ug/kg	93.2	
SPI01	Q1892359	A749076	ACRYLONITRILE	0	250		493	ug/kg	197.2	
SPI01	Q1892359	A749076	BENZENE	0	50		51.9	ug/kg	103.8	
SPI01	Q1892359	A749076	BROMOBENZENE	0	50		33.3	ug/kg	66.6	
SPI01	Q1892359	A749076	BROMOCHLOROMETHANE	0	50		34.7	ug/kg	69.4	
SPI01	Q1892359	A749076	BROMODICHLOROMETHANE	0	50		50.9	ug/kg	101.8	
SPI01	Q1892359	A749076	BROMOFORM	0	50		44.1	ug/kg	88.2	
SPI01	Q1892359	A749076	BROMOMETHANE	0	50		23.1	ug/kg	46.2	
SPI01	Q1892359	A749076	N-BUTYLBENZENE	0	50		36.3	ug/kg	72.6	
SPI01	Q1892359	A749076	SEC-BUTYLBENZENE	0	50		38.2	ug/kg	76.4	
SPI01	Q1892359	A749076	TERT-BUTYLBENZENE	0	50	I	108	ug/kg	216	
SPI01	Q1892359	A749076	CARBON DISULFIDE	0	50		39.2	ug/kg	78.4	
SPI01	Q1892359	A749076	CARBON TETRACHLORIDE	0	50		48.5	ug/kg	97	
SPI01	Q1892359	A749076	CHLOROBENZENE	0	50		43.5	ug/kg	87	
SPI01	Q1892359	A749076	DIBROMOCHLOROMETHANE	0	50		42.5	ug/kg	85	
SPI01	Q1892359	A749076	CHLOROETHANE	0	50		37.9	ug/kg	75.8	
SPI01	Q1892359	A749076	CHLOROFORM	0	50		46.5	ug/kg	93	
SPI01	Q1892359	A749076	CHLOROMETHANE	0	50		38.1	ug/kg	76.2	
SPI01	Q1892359	A749076	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50		41.7	ug/kg	83.4	
SPI01	Q1892359	A749076	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50		42.3	ug/kg	84.6	
SPI01	Q1892359	A749076	2-CHLOROETHYLVINYLETHER	0	50		59	ug/kg	118	
SPI01	Q1892359	A749076	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50		41.5	ug/kg	83	
SPI01	Q1892359	A749076	1,2-DIBROMOETHANE (EDB)	0	50		53.7	ug/kg	107.4	
SPI01	Q1892359	A749076	DIBROMOMETHANE	0	50		45.5	ug/kg	91	
SPI01	Q1892359	A749076	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50		42.1	ug/kg	84.2	
SPI01	Q1892359	A749076	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50		42.8	ug/kg	85.6	
SPI01	Q1892359	A749076	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50		42.4	ug/kg	84.8	
SPI01	Q1892359	A749076	DICHLORODIFLUOROMETHANE	0	50		19.5	ug/kg	39	
SPI01	Q1892359	A749076	1,1-DICHLOROETHANE	0	50		52.9	ug/kg	105.8	
SPI01	Q1892359	A749076	1,2-DICHLOROETHANE	0	50		49.1	ug/kg	98.2	
SPI01	Q1892359	A749076	1,1-DICHLOROETHENE	0	50		51.6	ug/kg	103.2	
SPI01	Q1892359	A749076	CIS-1,2-DICHLOROETHENE	0	50		56.7	ug/kg	113.4	
SPI01	Q1892359	A749076	TRANS-1,2-DICHLOROETHENE	0	50		52.4	ug/kg	104.8	
SPI01	Q1892359	A749076	1,2-DICHLOROPROPANE	0	50		52	ug/kg	104	
SPI01	Q1892359	A749076	1,3-DICHLOROPROPANE	0	50		39.8	ug/kg	79.6	
SPI01	Q1892359	A749076	1,1-DICHLOROPROPENE	0	50		47.4	ug/kg	94.8	

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI01	Q1892359	A749076	CIS-1,3-DICHLOROPROPENE	0	50		52.5	ug/kg	105	
SPI01	Q1892359	A749076	TRANS-1,3-DICHLOROPROPENE	0	50		53.8	ug/kg	107.6	
SPI01	Q1892359	A749076	ETHYL BENZENE	0	50		42.7	ug/kg	85.4	
SPI01	Q1892359	A749076	2-HEXANONE	0	50		44.1	ug/kg	88.2	
SPI01	Q1892359	A749076	HEXACHLOROBUTADIENE	0	50		23.8	ug/kg	47.6	
SPI01	Q1892359	A749076	IODOMETHANE	0	50		49.8	ug/kg	99.6	
SPI01	Q1892359	A749076	ISOPROPYLBENZENE (CUMENE)	0	50		43.6	ug/kg	87.2	
SPI01	Q1892359	A749076	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50		39.4	ug/kg	78.8	
SPI01	Q1892359	A749076	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50		54.9	ug/kg	109.8	
SPI01	Q1892359	A749076	METHYL ETHYL KETONE	0	50		38.3	ug/kg	76.6	
SPI01	Q1892359	A749076	METHYL-T-BUTYL ETHER (MTBE)	0	50		56	ug/kg	112	
SPI01	Q1892359	A749076	METHYL ISOBUTYL KETONE	0	50		49.7	ug/kg	99.4	
SPI01	Q1892359	A749076	NAPHTHALENE	0	50		38.3	ug/kg	76.6	
SPI01	Q1892359	A749076	N-PROPYLBENZENE	0	50		38.8	ug/kg	77.6	
SPI01	Q1892359	A749076	STYRENE	0	50		45.3	ug/kg	90.6	
SPI01	Q1892359	A749076	1,1,1,2-TETRACHLOROETHANE	0	50		48.1	ug/kg	96.2	
SPI01	Q1892359	A749076	1,1,2,2-TETRACHLOROETHANE	0	50		43.2	ug/kg	86.4	
SPI01	Q1892359	A749076	TETRACHLOROETHENE	0	50	I	125	ug/kg	250	
SPI01	Q1892359	A749076	TOLUENE	0	50		52.8	ug/kg	105.6	
SPI01	Q1892359	A749076	1,2,3-TRICHLOROBENZENE	0	50		35	ug/kg	70	
SPI01	Q1892359	A749076	1,2,4-TRICHLOROBENZENE	0	50		39	ug/kg	78	
SPI01	Q1892359	A749076	1,1,1-TRICHLOROETHANE	0	50		48.6	ug/kg	97.2	
SPI01	Q1892359	A749076	1,1,2-TRICHLOROETHANE	0	50		52.8	ug/kg	105.6	
SPI01	Q1892359	A749076	TRICHLOROETHENE	0	50		63.4	ug/kg	126.8	
SPI01	Q1892359	A749076	TRICHLOROFLUOROMETHANE	0	50		44.4	ug/kg	88.8	
SPI01	Q1892359	A749076	1,2,3-TRICHLOROPROPANE	0	50		36.4	ug/kg	72.8	
SPI01	Q1892359	A749076	1,2,4-TRIMETHYLBENZENE	0	50		30.6	ug/kg	61.2	
SPI01	Q1892359	A749076	1,3,5-TRIMETHYLBENZENE	0	50		42.3	ug/kg	84.6	
SPI01	Q1892359	A749076	VINYL ACETATE	0	50		55.5	ug/kg	111	
SPI01	Q1892359	A749076	VINYL CHLORIDE	0	50		39.5	ug/kg	79	
DPS01	Q1892360	A749076	Analysis Date/Time: 17-Oct-06 12:11							
DPS01	Q1892360	A749076	ACETONE (2-PROPANONE)	0	50		50.9	ug/kg	101.7	13.9
DPS01	Q1892360	A749076	ACROLEIN	0	250		225	ug/kg	90	3.3
DPS01	Q1892360	A749076	ACRYLONITRILE	0	250		459	ug/kg	183.6	7.1
DPS01	Q1892360	A749076	BENZENE	0	50		47.2	ug/kg	94.4	9.5
DPS01	Q1892360	A749076	BROMOBENZENE	0	50		25.9	ug/kg	51.9	25
DPS01	Q1892360	A749076	BROMOCHLOROMETHANE	0	50		33.4	ug/kg	66.7	4
DPS01	Q1892360	A749076	BROMODICHLOROMETHANE	0	50		47.2	ug/kg	94.4	7.4
DPS01	Q1892360	A749076	BROMOFORM	0	50		41.6	ug/kg	83.2	5.9
DPS01	Q1892360	A749076	BROMOMETHANE	0	50		21.4	ug/kg	42.8	7.4
DPS01	Q1892360	A749076	N-BUTYLBENZENE	0	50		22.4	ug/kg	44.7	47.6
DPS01	Q1892360	A749076	SEC-BUTYLBENZENE	0	50		24	ug/kg	48	45.5
DPS01	Q1892360	A749076	TERT-BUTYLBENZENE	0	50	I	86	ug/kg	172.1	22.6
DPS01	Q1892360	A749076	CARBON DISULFIDE	0	50		36.5	ug/kg	73	7.1
DPS01	Q1892360	A749076	CARBON TETRACHLORIDE	0	50		43	ug/kg	86	12
DPS01	Q1892360	A749076	CHLOROBENZENE	0	50		37.6	ug/kg	75.1	14.7

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B O510.5

R510458 Analyst: H WILLIAMS Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP Review Date: 19-Oct-06 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
DPS01	Q1892360	A749076	DIBROMOCHLOROMETHANE	0	50		39.6	ug/kg	79.2	7.2
DPS01	Q1892360	A749076	CHLOROETHANE	0	50		37.4	ug/kg	74.8	1.3
DPS01	Q1892360	A749076	CHLOROFORM	0	50		43.9	ug/kg	87.9	5.7
DPS01	Q1892360	A749076	CHLOROMETHANE	0	50		36	ug/kg	72	5.7
DPS01	Q1892360	A749076	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50		30.5	ug/kg	61.1	30.9
DPS01	Q1892360	A749076	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50		32.7	ug/kg	65.4	25.5
DPS01	Q1892360	A749076	2-CHLOROETHYLVINYLETHER	0	50		57	ug/kg	114	3.4
DPS01	Q1892360	A749076	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50		37.9	ug/kg	75.8	9.1
DPS01	Q1892360	A749076	1,2-DIBROMOETHANE (EDB)	0	50		51	ug/kg	102.1	5
DPS01	Q1892360	A749076	DIBROMOMETHANE	0	50		43.6	ug/kg	87.2	4.4
DPS01	Q1892360	A749076	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50		31.9	ug/kg	63.8	27.5
DPS01	Q1892360	A749076	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50		31.9	ug/kg	63.8	29.1
DPS01	Q1892360	A749076	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50		32	ug/kg	64.1	27.7
DPS01	Q1892360	A749076	DICHLORODIFLUOROMETHANE	0	50		17.9	ug/kg	35.9	8
DPS01	Q1892360	A749076	1,1-DICHLOROETHANE	0	50		48.8	ug/kg	97.6	8.1
DPS01	Q1892360	A749076	1,2-DICHLOROETHANE	0	50		46.6	ug/kg	93.3	5.1
DPS01	Q1892360	A749076	1,1-DICHLOROETHENE	0	50		48.2	ug/kg	96.5	6.7
DPS01	Q1892360	A749076	CIS-1,2-DICHLOROETHENE	0	50		52.1	ug/kg	104.3	8.4
DPS01	Q1892360	A749076	TRANS-1,2-DICHLOROETHENE	0	50		49.5	ug/kg	99	5.8
DPS01	Q1892360	A749076	1,2-DICHLOROPROPANE	0	50		47.7	ug/kg	95.4	8.6
DPS01	Q1892360	A749076	1,3-DICHLOROPROPANE	0	50		37.2	ug/kg	74.4	6.8
DPS01	Q1892360	A749076	1,1-DICHLOROPROPENE	0	50		42.6	ug/kg	85.2	10.6
DPS01	Q1892360	A749076	CIS-1,3-DICHLOROPROPENE	0	50		48.4	ug/kg	96.8	8.1
DPS01	Q1892360	A749076	TRANS-1,3-DICHLOROPROPENE	0	50		49.3	ug/kg	98.6	8.7
DPS01	Q1892360	A749076	ETHYL BENZENE	0	50		36.1	ug/kg	72.2	16.8
DPS01	Q1892360	A749076	2-HEXANONE	0	50		43.8	ug/kg	87.6	0.7
DPS01	Q1892360	A749076	HEXACHLOROBUTADIENE	0	50		16.9	ug/kg	33.7	34
DPS01	Q1892360	A749076	IODOMETHANE	0	50		46.8	ug/kg	93.6	6.2
DPS01	Q1892360	A749076	ISOPROPYLBENZENE (CUMENE)	0	50		30.1	ug/kg	60.1	36.7
DPS01	Q1892360	A749076	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50		25.9	ug/kg	51.8	41.5
DPS01	Q1892360	A749076	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50		51.5	ug/kg	103	6.4
DPS01	Q1892360	A749076	METHYL ETHYL KETONE	0	50		37.3	ug/kg	74.6	2.6
DPS01	Q1892360	A749076	METHYL-T-BUTYL ETHER (MTBE)	0	50		53.4	ug/kg	106.8	4.8
DPS01	Q1892360	A749076	METHYL ISOBUTYL KETONE	0	50		49.5	ug/kg	98.9	0.5
DPS01	Q1892360	A749076	NAPHTHALENE	0	50		33.7	ug/kg	67.4	12.9
DPS01	Q1892360	A749076	N-PROPYLBENZENE	0	50		27	ug/kg	54	36
DPS01	Q1892360	A749076	STYRENE	0	50		38.9	ug/kg	77.7	15.3
DPS01	Q1892360	A749076	1,1,1,2-TETRACHLOROETHANE	0	50		43.3	ug/kg	86.7	10.3
DPS01	Q1892360	A749076	1,1,2,2-TETRACHLOROETHANE	0	50		37.8	ug/kg	75.6	13.2
DPS01	Q1892360	A749076	TETRACHLOROETHENE	0	50		121	ug/kg	242.5	2.9
DPS01	Q1892360	A749076	TOLUENE	0	50		47.6	ug/kg	95.2	10.5
DPS01	Q1892360	A749076	1,2,3-TRICHLOROBENZENE	0	50		26	ug/kg	52.1	29.3
DPS01	Q1892360	A749076	1,2,4-TRICHLOROBENZENE	0	50		27	ug/kg	54	36.4

HERITAGE

NJC4929

VOLATILE ORGANICS, CAPILLARY COLUMN TECHNIQUE SW846-8260B — O510.5

R510458 Analyst: H WILLIAMS — Run Date: 17-Oct-06
Analytical Reviewer: R SHAMP — Review Date: 19-Oct-06 — Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
DPS01	Q1892360	A749076	1,1,1-TRICHLOROETHANE	0	50		44.5	ug/kg	89.1	8.8
DPS01	Q1892360	A749076	1,1,2-TRICHLOROETHANE	0	50		50.8	ug/kg	101.6	3.9
DPS01	Q1892360	A749076	TRICHLOROETHENE	0	50		55.8	ug/kg	111.7	12.6
DPS01	Q1892360	A749076	TRICHLOROFLUOROMETHANE	0	50		42.4	ug/kg	84.7	4.6
DPS01	Q1892360	A749076	1,2,3-TRICHLOROPROPANE	0	50		33.5	ug/kg	66.9	8.4
DPS01	Q1892360	A749076	1,2,4-TRIMETHYLBENZENE	0	50	I	23	ug/kg	46	28.4
DPS01	Q1892360	A749076	1,3,5-TRIMETHYLBENZENE	0	50		29.4	ug/kg	58.7	36
DPS01	Q1892360	A749076	VINYL ACETATE	0	50		53.2	ug/kg	106.5	4.1
DPS01	Q1892360	A749076	VINYL CHLORIDE	0	50		37.4	ug/kg	74.7	5.6

Q1873168 Value reported for analytes calibrated by linear (LIN) or
Q1873168 quadratic (QDR) equations is r2 (Coef. of Determination).
Q1892356 Value reported for analytes calibrated by linear (LIN) or quadratic (QDR)
Q1892356 equations is concentration (UG/KG MG/KG).
Q1892357 Blank is acceptable for medium level soils with a detection limit
Q1892357 multiplier of 0.125 and units of mg/kg.

TOTAL SOLIDS EPA 160.3 — G401.7

R510411 Analyst: B ADKINS — Run Date: 17-Oct-06
Analytical Reviewer: P SPENCE — Review Date: 18-Oct-06

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
LCS01	Q1891984		SOLIDS	5.5391			5.5384	Grams	100	
DUP01	Q1891985	A749345	SOLIDS	48			49	Percent		2.1
SAMPLE	A749076		See Certificate of Analysis, Rep: 0							
SAMPLE	A749077		See Certificate of Analysis, Rep: 0							
SAMPLE	A749078		See Certificate of Analysis, Rep: 0							
SAMPLE	A749079		See Certificate of Analysis, Rep: 0							
LCS01	Q1891986		SOLIDS	5.9218			5.9213	Grams	100	

RQL	Result Qualifier Definition
I	Outside Lab Generated Control Limits
BDL	Below Detection Limit
QDR	Quadratic Equation Used

QC Type	Definition
LCS	LABORATORY CONTROL SAMPLE PREPPED
SPI01	MATRIX SPIKE
BLA01	CALIBRATION (INSTRUMENT) BLANK
CCVD	CONTINUING CALIBRATION VERIFICATION (USING %D)
SPI02	PREPPED MATRIX SPIKE
DPS02	PREPPED DUPLICATE MATRIX SPIKE
CAL01	INITIAL CALIBRATION
DUP01	DUPLICATE SAMPLE ANALYSIS
DPS01	DUPLICATE MATRIX SPIKE
LCS01	LABORATORY CONTROL SAMPLE

HERITAGE

NJC4929

Scott A Bryan

Approved By : SCOTT BRYAN

CASE NARRATIVE
GENERAL CHEMISTRIES SECTION
SDG# 4929

SAMPLE# A749076-A749079

This sample was analyzed for Total Solids (EPA 160.3) using normal procedures with no modifications. The required hold times were met for all analyses. The Laboratory Control Sample and Duplicates were within the control limits.

Polly K. Spence
POLLY K. SPENCE
LABORATORY SUPERVISOR

ACCREDITED IN ACCORDANCE WITH nelac

QC ACCEPTANCE LIMITS

ANALYSIS	ICV	CCV	LFB	LCS	MS/MSD %	MS/MSD RPD	DUP RPD
Total Solids				90-110%			≤ 20%

Heritage Environmental Services, LLC - Commercial Laboratory

R510411

Instrument : 274 MANUAL METHOD
Analyst : 4584 B. ADKINS
Start Date : 17-Oct-06 Start Time: 16:10
End Date : 18-Oct-06 End Time: 8:45

Group RunID : 2485

Reviewer : PRS 2524 10-18-06
Recorder : RLB 10-18-06
DE Reviewer :

PRM : 584 SOLIDS

Dish ID	guppies	gram	cat	dry	7-O	time	new	help	fifth	march
Ord	1	2	3	4	5	6	7	8	9	10
Sample		A749345	A749345	A749233	A749076	A749077	A749078	A749079	A749383	A749384
QCType	LCS01	G401.7	DUP01	G401.7	G401.7	G401.7	G401.7	G401.7	G401.7	G401.7
Rep		0		0	0	0	0	0	0	0
Result	5.5384	48	49	5	96	91	91	95	77	75
RQL										
Limit		0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001
Units	G	Percent	PERCENT	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Dry Sample+Dish g (1)	47.2951	47.4183	49.8946	44.6491	49.9991	53.2728	49.6394	51.9008	48.8211	52.4845
Dry Sample+Dish g (2)	47.2947	47.4066	49.8845	44.6479	49.9982	53.2714	49.6391	51.9003	48.8145	52.4777
Dry Sample+Dish g (3)	*	*	*	*	*	*	*	*	*	*
Dish g	41.7563	44.7750	47.3556	44.2314	44.6946	47.0991	43.1870	46.8618	44.5049	47.6598
Dry Sample Weight g	5.5384	2.6316	2.5289	0.4165	5.3036	6.1723	6.4521	5.0385	4.3096	4.8179
Wet SampleWeight, g	5.5391	5.427	5.2012	7.7592	5.5204	6.8016	7.1082	5.3289	5.5771	6.3937
Smp TruVal	5.5391		48							
Spike Val										
%Rec	100.									
RPD			2.1%							
Comments										

Oven Temp Start 104 End 104

RLB 10/18/06

2485 SOLIDS.xls

Heritage Environmental Services, LLC - Commercial Laboratory

Instrument : 274
Analyst : 4584
Start Date : 17-Oct-06
End Date : 18-Oct-06

PRM : 584

Dish ID	a	red
Ord	11	12
Sample	**A749385**	
QCType	**G401.7**	**LCS01**
Rep	0	
Result	**75**	**5.9213**
RQL		
Limit	**0.001**	
Units	**Percent**	**G**
Dry Sample+Dish g (1)	52.5665	54.0508
Dry Sample+Dish g (2)	52.5612	54.0506
	*	*
Dry Sample+Dish g (3)		
Dish g	47.9056	48.1293
Dry Sample Weight g	4.6556	5.9213
Wet SampleWeight, g	6.1815	5.9218
Smp TruVal		**5.9218**
Spike Val		
%Rec		**100.**
RPD		
Comments		

2485 SOLIDS.xls

TOTAL SOLIDS

Parameter # 584

Reference No. G401.7

Analyst B44584
Start Date 10-17-06 Start Time 16:10
End Date _____ End Time _____

Reviewer _____ Date _____
Recorder _____ Date _____

Sample Number	LCS	A749345A	→	A749233C	A749076A	A749077A	A749078A	A749079A
Total Solids								
Units								
Dish Number	Guppies	Gram	Cats	Dry	7-0	Time	New	Help
Dry Samp + Dish, g (1)	47.2951	47.4183	49.8946	44.6491	49.9991	53.2728	49.6394	51.9008
Dry Samp + Dish, g (2)								
Dry Samp + Dish, g (3)								
Dish, g	41.7563	44.7750	47.3556	44.2314	44.6946	47.0991	43.1870	46.8618
Dry Sample Weight, g								
Wet Sample Weight, g	5.5391	5.4270	5.2012	7.7592	5.5204	6.8016	7.1082	5.3289
Sample Volume, mL								
QAQC Type	LCS01		Dup01					
True Value								
Detection Limit								
Client Identification		WWTP	→	Storage sludge	A2SW1	A2SW2	A2WW1	A2WW2
Comments								

Oven Temperature Start _____ °C End _____ °C

3 _____

TOTAL SOLIDS

Parameter # 584

Reference No. G401.7

Analyst _____
Start Date _____ Start Time _____
End Date _____ End Time _____

Reviewer _____ Recorder _____
Date _____ Date _____

Sample Number	A749383A	A749384A	A749385A	LCS				
Total Solids								
Units								
Dish Number	Fifth	March	A	Red				
Dry Samp + Dish, g (1)	48.8211	52.4845	52.5665	54.0508				
Dry Samp + Dish, g (2)								
Dry Samp + Dish, g (3)								
Dish, g	44.5049	47.6598	47.9056	48.1293				
Dry Sample Weight, g								
Wet Sample Weight, g	5.5771	6.3937	6.1815	5.9218				
Sample Volume, mL								
QAQC Type				LCS01				
True Value								
Detection Limit								
Client Identification	1	2	3					
Comments								

Oven Temperature Start _____ °C End _____ °C

Heritage Environmental Services, LLC
7901 West Morris Street
Indianapolis, IN 46231
Phone: (317) 243-0811
Fax: (317) 486-5095

CASE NARRATIVE
GC/MS VOLATILES
SW846-8260B
A749076 – A749079
10/27/06

Samples A749076 – A749079 were analyzed as low-level soils for volatile organic compounds by GC/MS. The samples and their associated QC were analyzed on four runs. Samples A749076 – A749079 were analyzed and reported from the first run. The MS and MSD analyzed on this run were prepared using sample A749076. The internal standard areas and surrogate recoveries for the method blank, LCS, MS, MSD and samples A749076, A749077 and A749079 were within QC acceptance limits. The surrogate recoveries for sample A749078 were within the laboratory generated control limits, however one internal standard area was outside of the method acceptance limits. Sample A749078 was not reanalyzed to confirm the failing internal standard area because of high target concentrations and non-target matrix interferences. The sample results for A749078 are qualified to indicate this QC failure. The method blank was BDL for all compounds. The recoveries of dichlorodifluoromethane in the MSD and trichloroethene and t-butylbenzene in the MS and MSD exceeded the laboratory generated control limits. The recovery of 1,2,4-trimethyl-benzene was below the laboratory generated control limit in the MS. The recoveries and RPDs for all other compounds were within the laboratory control limits in the MS and MSD. An LCS was analyzed on this run to determine system performance for the compounds outside of control limits in the MS and MSD. The recoveries of all compounds were within the laboratory generated control limits in the LCS. The compounds outside of control limits in the MS and MSD were within control limits in the LCS. Sample A749078 was analyzed using a 1 gram aliquot (effective 1:5 dilution) because of the sample matrix. Sample A749078 could not be reanalyzed using a higher sample weight because of high target concentrations and non-target matrix interferences. The detection limits for sample A749078 are raised according to the dilution analyzed. Sample A749078 reported p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene as exceeding the calibration range. Sample A749077 reported cis-1,2-dichloroethene and trichloroethene as exceeding the calibration range. Samples A749078 and A749077 were reanalyzed as medium-level soils in order to report these compounds within the calibration range.

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The medium-level analysis for the dilutions of samples A749078 and A740977 were prepared as one prep batch with two LCSs. The samples and their associated QC were analyzed and reported across all four runs. The internal standard areas and surrogate recoveries for the method blank, one LCS, MS, MSD and samples A749078 and A740977 were within QC acceptance limits. The internal standard areas for the LCS associated with sample A749077 were within the method acceptance limits, however it had one surrogate recovery exceeding the laboratory generated control limit. The method blanks on all runs were BDL for all compounds. The recoveries of cis-1,2-dichloroethene in the MSD and trichlorofluoromethane in the MS were below the laboratory generated control limits. The RPD for cis-1,2-dichloroethene exceeded the laboratory control limit. The recoveries and RPDs for all other compounds were within the laboratory control limits in the MS an MSD. An LCS was analyzed on this run to determine system performance for the compounds outside of control limits in the MS and MSD. The recovery of 1,2,3-trichlorobenzene exceeded the laboratory generated control limit in the LCS associated with sample A749078. The recoveries of all other compounds were within the laboratory control limits in this LCS. The recoveries of all compounds were within the laboratory control limits in the LCS associated with sample A749077. The compounds outside of control limits in the MS and MSD were within control limits in the LCSs. The compound outside of control limits in the LCS was within control limits in the MS and MSD and was not a target compound for the dilutions of these samples. Samples A749077 and A749078 were analyzed using a 4 gram aliquot to a final volume of 5mL with a subsequent 1:100 dilution (effective 1:125 dilution). Sample A749078 was analyzed at this dilution in order to report p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene within the calibration range. Sample A740977 was at this dilution in order to report cis-1,2-dichloroethene and trichloroethene within the calibration range. These dilutions are reported as replicate analyses (rep1). There were no other QC problems encountered with the volatile analysis of these samples.

Lisa A. Smith

Lisa A Smith
GCMS Group Supervisor

ACCREDITED IN ACCORDANCE WITH nelac

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract:

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

Level: (low/med) LOW Date Injected: 04-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	SPECIAL MIX	83	102	97	112	0
02	VBLK	95	101	100	111	0
03	DI MS	98	98	100	100	0
04	A747908 5G	99	97	101	101	0
05	A747909 5G	100	92	103	75	0
06	A747910 5G	98	95	100	89	0
07	A747911 5G	101	93	103	78	0
08	A747912 5G	101	95	102	93	0
09	A747913 5G	104	94	104	77	0
10	A747914 5G	105	95	105	89	0
11	A747915 5G	104	93	103	81	0
12	A747909 MS	103	95	102	87	0
13	A747909 MSD	103	97	103	91	0
14	A747906 5G	100	97	100	102	0

10/5/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract:

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

Level: (low/med) MED Date Injected: 04-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	LCS #333-2	98	97	99	102	0
02	A747904 1:12	97	98	97	104	0
03	A747905 1:12	92	100	94	106	0
04	A747905 MS	98	100	95	106	0
05	A747905 MSD	99	100	97	106	0

10/5/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract: _____

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

Level: (low/med) LOW Date Injected: 17-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	APPIX IX STD	84	111	100	127	0
02	VBLK	95	108	103	122	0
03	DI MS	97	107	104	122	0
04	A749078 1G	97	104	106	58 *	1
05	A749076 5G	94	108	101	130	0
06	A749076 MS	85	109	100	123	0
07	A749076 MSD	86	110	101	130	0
08	A749077 5G	96	104	104	98	0
09	A749079 5G	95	106	104	118	0
10	A749079 5G	96	107	106	119	0

PD 10/19/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract: _____

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

Level: (low/med) MED Date Injected: 17-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	A749078 1:12	91	109	101	113	0
02	LCS #333-4	94	109	103	129	0

RD 10/19/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract: _____

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

Date Injected: 19-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	VBLK	97	103	102	108	0
02	A748880 1:10	100	93	105	107	0
03	A749034 1:10	104	104	106	114	0
04	A749035 1:10	102	105	107	111	0
05	A748867 1:10	102	103	106	109	0
06	A748879 1:10	104	102	108	110	0
07	A749251 1:10	102	103	107	110	0
08	A749035 MS	105	104	106	109	0
09	A749035 MSD	104	104	105	110	0

10/20/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract: _____

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

Level: (low/med) MED Date Injected: 19-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	LCS #333-4	98	101	102	106	0
→02	LCS #333-5	100	103	103	109	0
03	A749077 1:12	96	105	100	111	0

10/20/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract: _____

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

Date Injected: 26-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	VBLK	104	114	111	134	0
02	DI MS	104	115	111	135*	D
03	A748879 1:50	103	112	113	135	0
04	A749404 1:10	103	116	79	134	0
05	A749879 MS	108	108	113	124	0
06	A749879 MSD	106	109	113	130	0

RD 10/27/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Heritage Labs Contract:

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

Level: (low/med) MED Date Injected: 26-Oct-06 Instrument: GCMS # 5

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
→ 01	LCS #333-6	106	116	113	137 *	1
02	LCS #333-7	105	115	111	130	0
03	A750182 1:12	97	114	105	129	0

RD 10/27/06

QC LIMITS

SMC1	=	1,2-Dichloroethane-d4	(67-138)
SMC2	=	Toluene-d8	(68-127)
SMC3	=	Dibromofluoromethane	(74-126)
SMC4	=	4-Bromofluorobenzene	(59-135)

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

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
MS/MSD Volatile QC Report-EPA Method 8260
Medium Level Soil

Laboratory Sample # : A747905 1:125
Data File :9494E. MS Data File : 9497E. MSD Data File : 9498E.
Date/Time : 4 Oct 06 14:13 MS Date/Time : 4 Oct 06 16:08 MSD Date/Time : 4 Oct 06 16:46
Q1888515 Spike Conc : 6.25 mG/kG Q1888516
Dilution Factor: 0

Compound	Sample Conc	Spike Conc	Spike % Rec	Spike Dup Conc	Spike Dup % Rec	RPD	Min Recovery *	Max
Benzene	0	5.58	89.3	5.93	94.9	6.1	70	140
Carbon Tetrachloride	0	5.92	94.7	6.18	98.9	4.3	45	171.9
1,4-Dichlorobenzene	0	5.9	94.4	6.08	97.3	3.0	56	136.4
1,2-Dichloroethane	0	5.51	88.2	5.95	95.2	7.6	53	153.1
1,1-DICHLOROETHENE	0	5.07	81.1	5.28	84.5	4.1	27	132.9
1,1,1-Trichloroethane	0	5.9	94.4	6.1	97.6	3.3	48	169.5
Trichloroethene	0	6.03	96.5	6.33	101.3	4.9	60	151.2
VINYL CHLORIDE	0	6.31	101.0	6.14	98.2	2.8	39	159
Bromobenzene	0	5.85	93.6	6.04	96.6	3.2	53	145
Bromodichloromethane	0	6.18	98.9	6.25	100.0	1.1	63	143.9
Bromoform	0	6.63	106.1	6.64	106.2	0.1	59	139.5
Bromomethane	0	2.2	35.2	2.35	37.6	6.6	11	159.8
Chlorobenzene	0	6.22	99.5	6.2	99.2	0.3	70	136
Dibromochloromethane	0	6.19	99.0	6.22	99.5	0.5	67	138.1
Chloroethane	0	1.66	26.6	1.82	29.1	9.0	3	183.6
CHLOROFORM	0	5.78	92.5	6.01	96.2	3.9	64	151.5
Chloromethane	0	4.85	77.6	4.96	79.4	2.3	38	150.6
2-Chlorotoluene	0	5.94	95.0	6.11	97.8	2.9	49	153.8
4-Chlorotoluene	0	6.05	96.8	6.04	96.6	0.2	56	145.6
Dibromomethane	0	6.13	98.1	6.3	100.8	2.7	58	145.1
1,3-Dichlorobenzene	0	6.1	97.6	6.09	97.4	0.2	57	138.3
1,2-Dichlorobenzene	0	6.15	98.4	6.15	98.4	0.0	58	137
trans-1,2-Dichloroethene	0	5.75	92.0	5.97	95.5	3.7	66	146.5
cis-1,2-Dichloroethene	20	24.6	73.6	21.3	20.8 I	111.9	70	143.3
Methylene Chloride	0	5.45	87.2	5.72	91.5	4.8	61	148.1
1,1-Dichloroethane	0	5.56	89.0	5.72	91.5	2.8	62	153.6
1,1-Dichloropropene	0	5.79	92.6	5.97	95.5	3.1	56	159.5
1,2-DICHLOROPROPANE	0	5.75	92.0	5.94	95.0	3.2	64	145.6
1,3-Dichloropropane	0	5.97	95.5	6.07	97.1	1.7	53	149.5
cis-1,3-Dichloropropene	0	5.91	94.6	5.97	95.5	0.9	59	141.6
trans-1,3-Dichloropropene	0	6.02	96.3	6.1	97.6	1.3	50	148
2,2-Dichloropropane	0	5.21	83.4	5.45	87.2	4.5	56	162.2
ETHYL BENZENE	0	5.97	95.5	5.99	95.8	0.3	62	143.2
Styrene	0	6.26	100.2	6.24	99.8	0.4	66	138.2
1,1,2-Trichloroethane	0	6.39	102.2	6.49	103.8	1.6	53	145.8
1,1,1,2-Tetrachloroethane	0	6.32	101.1	6.41	102.6	1.5	67	141.9
1,1,2,2-Tetrachloroethane	0	5.64	90.2	5.83	93.3	3.4	42	159
Tetrachloroethene	0	6.41	102.6	6.47	103.5	0.9	16	206.8
1,2,3-Trichloropropane	0	5.81	93.0	6.03	96.5	3.7	44	167

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
MS/MSD Volatile QC Report-EPA Method 8260
Medium Level Soil

Laboratory Sample # : A747905 1:125
Data File :9494E. MS Data File : 9497E. MSD Data File : 9498E.
Date/Time : 4 Oct 06 14:13 MS Date/Time : 4 Oct 06 16:08 MSD Date/Time : 4 Oct 06 16:46
Spike Conc : 6.25 mG/kG
Dilution Factor: 0

Compound	Sample Conc	Spike Conc	Spike % Rec	Spike Dup Conc	Spike Dup % Rec	RPD	Min Recovery *	Max Recovery *
TOLUENE	0	6.27	100.3	6.33	101.3	1.0	56	153.8
m,p-Xylene	0	12.1	96.8	12.2	97.6	0.8	64	151.7
o-Xylene	0	6.31	101.0	6.31	101.0	0.0	65	149.7
Bromochloromethane	0	6.02	96.3	6.32	101.1	4.9	54	156.2
n-Butylbenzene	0	5.71	91.4	5.68	90.9	0.5	48	149.3
Dichlorodifluoromethane	0	4.45	71.2	4.38	70.1	1.6	D	165.2
Trichlorofluoromethane	0	1.7	27.2 !	2.39	38.2	33.6	32	175.8
Hexachlorobutadiene	0	6.07	97.1	5.78	92.5	4.9	27	172.7
Isopropylbenzene	0	5.91	94.6	6.12	97.9	3.4	60	155.5
p-Isopropyltoluene	0	5.92	94.7	6.07	97.1	2.5	56	158.9
Naphthalene	0	6.85	109.6	7.07	113.1	3.1	D	195
n-Propylbenzene	0	5.79	92.6	5.91	94.6	2.1	48	157.4
sec-Butylbenzene	0	5.94	95.0	6.02	96.3	1.4	61	143.4
t-Butylbenzene	0	6.16	98.6	6.37	101.9	3.3	61	145.9
1,2,3-Trichlorobenzene	0	6.61	105.8	6.82	109.1	3.1	28	155
1,2,4-Trichlorobenzene	0	6.38	102.1	6.33	101.3	0.8	40	142.1
1,2,4-Trimethylbenzene	0	6.2	99.2	6.3	100.8	1.6	63	148.6
1,3,5-Trimethylbenzene	0	6.11	97.8	6.18	98.9	1.1	34	164.7
Acrolein	0	28.3	45.3	29.5	47.2	4.1	D	206.3
Acetone	0	4.92	78.7	5.15	82.4	4.6	D	346.2
Acrylonitrile	0	0.784	1.3	0.703	1.1	16.7	D	431
Carbon Disulfide	0	4.66	74.6	5.06	81.0	8.2	53	143.9
Vinyl Acetate	0	5.8	92.8	6.03	96.5	3.9	39	140.6
2-Butanone	0	5.12	81.9	5.42	86.7	5.7	35	156.1
4-Methyl-2-Pentanone	0	5.2	83.2	5.33	85.3	2.5	33	158.9
2-Hexanone	0	4.93	78.9	5.15	82.4	4.3	25	156.3
2-Chloroethylvinylether	0	5.69	91.0	5.86	93.8	3.0	20	188
(Results Signal 1)	0	0	0.0 !	0	0.0 !		21	174.3
1,2-Dibromoethane	0	6.43	102.9	6.57	105.1	2.1	56	144.6
1,2-Dibromo-3-chloropropar	0	6.02	96.3	6.36	101.8	5.6	29	165.3
Iodomethane	0	4.87	77.9	5.26	84.2	7.8	10	191.2

Co-eluting Dichlorobenzenes and Xylenes spiked at 12.5 mG/kG
Acrolein and Acrylonitrile spiked at 31.25 mG/kG

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS01 Volatile QC Report-EPA Method 8260
Low Level Soil

LCS Data File : 9633E.
LCS Date/Time : 101706 09:37
Spike Conc : 20 uG/kG
Dilution Factor: 1

Q1892358

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max Recovery *
Benzene	24.7	123.5	56	137.9
Carbon Tetrachloride	24.3	121.5	43	140.5
1,4-Dichlorobenzene	20.9	104.5	54	137.5
1,2-Dichloroethane	24.1	120.5	42	138.1
1,1-DICHLOROETHENE	24.3	121.5	38	148.3
1,1,1-Trichloroethane	24.9	124.5	44	142.5
Trichloroethene	26.4	132.0	42	145.8
VINYL CHLORIDE	18.4	92.0	62	154.4
Bromobenzene	19.4	97.0	51	140.2
Bromodichloromethane	25	125.0	49	133.7
Bromoform	22.6	113.0	42	140.9
Bromomethane	20.9	104.5	40	130.2
Chlorobenzene	21.1	105.5	60	132.4
Dibromochloromethane	21.2	106.0	53	132.5
Chloroethane	22.3	111.5	59	143.3
CHLOROFORM	24.5	122.5	58	136.5
Chloromethane	16.4	82.0	37	141.1
2-Chlorotoluene	19.5	97.5	53	144.6
4-Chlorotoluene	20.6	103.0	56	143.2
Dibromomethane	25.2	126.0	57	141.9
1,3-Dichlorobenzene	21.8	109.0	52	143.8
1,2-Dichlorobenzene	21.2	106.0	59	139.7
trans-1,2-Dichloroethene	25	125.0	52	140.6
cis-1,2-Dichloroethene	25.4	127.0	61	137.6
Methylene Chloride	23.9	119.5	35	142.9
1,1-Dichloroethane	23.1	115.5	57	140.2
1,1-Dichloropropene	24.8	124.0	50	145.3
1,2-DICHLOROPROPANE	23.2	116.0	52	146.7
1,3-Dichloropropane	20.4	102.0	54	139.5
cis-1,3-Dichloropropene	23.9	119.5	54	132.8
trans-1,3-Dichloropropene	24.3	121.5	54	138.6
2,2-Dichloropropane	24.2	121.0	52	137.8
ETHYL BENZENE	22.2	111.0	53	138.2
Styrene	22.2	111.0	51	137.2
1,1,2-Trichloroethane	26.3	131.5	62	139.1
1,1,1,2-Tetrachloroethane	22.3	111.5	51	136.1
1,1,2,2-Tetrachloroethane	20.2	101.0	53	155.4
Tetrachloroethene	22.7	113.5	41	145
1,2,3-Trichloropropane	20.7	103.5	49	156.1

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS01 Volatile QC Report-EPA Method 8260
Low Level Soil

LCS Data File : 9633E.
LCS Date/Time : 101706 09:37
Spike Conc : 20 uG/kG
Dilution Factor: 1

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max Recovery *
TOLUENE	24.9	124.5	58	138.1
m,p-Xylene	45.2	113.0	56	140.9
o-Xylene	22.7	113.5	59	138.1
Bromochloromethane	25.4	127.0	62	142.4
n-Butylbenzene	20.9	104.5	41	147.9
Dichlorodifluoromethane	10.3	51.5	22	158.2
Trichlorofluoromethane	22.5	112.5	44	152.5
Hexachlorobutadiene	22.6	113.0	31	128.1
Isopropylbenzene	19.5	97.5	56	163.4
p-Isopropyltoluene	22.1	110.5	49	149.8
Naphthalene	25	125.0	42	154.6
n-Propylbenzene	19.5	97.5	48	148.9
sec-Butylbenzene	20.3	101.5	49	146.3
t-Butylbenzene	20.7	103.5	41	128.6
1,2,3-Trichlorobenzene	25.8	129.0	13	152.5
1,2,4-Trichlorobenzene	24.7	123.5	35	135.4
1,2,4-Trimethylbenzene	20.5	102.5	53	145.1
1,3,5-Trimethylbenzene	20.7	103.5	48	142.8
Acrolein	118	59.0	D	220.9
Acetone	25.9	129.5	D	179.7
Acrylonitrile	265	132.5	D	362.1
Carbon Disulfide	21.9	109.5	50	139.9
Vinyl Acetate	24.8	124.0	21	155.1
2-Butanone	23.7	118.5	30	162.9
4-Methyl-2-Pentanone	23.1	115.5	35	154.1
2-Hexanone	19.3	96.5	13	159.1
2-Chloroethylvinylether	23.8	119.0	38	156.4
(Results Signal 1)	0	0.0 !	D	94.7
1,2-Dibromoethane	26.2	131.0	60	140.4
1,2-Dibromo-3-chloropropane	20.8	104.0	43	148.8
Iodomethane	22.4	112.0	31	149.4

Co-eluting Dichlorobenzenes and Xylenes spiked at 40 uG/kG
Acrolein and Acrylonitrile spiked at 100 uG/kG

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
MS/MSD Volatile QC Report-EPA Method 8260
Low Level Soil

Laboratory Sample # : A749076 5G
Data File :9635E. MS Data File : 9636E. MSD Data File : 9637E.
Date/Time : 101706 10:54 MS Date/Time : 101706 11:33 MSD Date/Time : 101706 12:11
Q1892359 Spike Conc : 50 uG/kG Q1892360
Dilution Factor: 1

Compound	Sample Conc	Spike Conc	Spike % Rec	Spike Dup Conc	Spike Dup % Rec	RPD	Min Recovery	Max Recovery *
Benzene	0	51.9	103.8	47.2	94.4	9.5	47	152.7
Carbon Tetrachloride	0	48.5	97.0	43	86.0	12.0	28	138.7
1,4-Dichlorobenzene	0	42.4	84.8	32	64.0	28.0	23	148.3
1,2-Dichloroethane	0	49.1	98.2	46.6	93.2	5.2	29	187.3
1,1-DICHLOROETHENE	0	51.6	103.2	48.2	96.4	6.8	15	185.5
1,1,1-Trichloroethane	0	48.6	97.2	44.5	89.0	8.8	18	176
Trichloroethene	0	63.4	126.8	55.8	111.6	12.8	19	175.5
VINYL CHLORIDE	0	39.5	79.0	37.4	74.8	5.5	33	152.1
Bromobenzene	0	33.3	66.6	25.9	51.8	25.0	44	178.2
Bromodichloromethane	0	50.9	101.8	47.2	94.4	7.5	14	167.7
Bromoform	0	44.1	88.2	41.6	83.2	5.8	25	150.8
Bromomethane	0	23.1	46.2	21.4	42.8	7.6	29	144.6
Chlorobenzene	0	43.5	87.0	37.6	75.2	14.5	46	141.5
Dibromochloromethane	0	42.5	85.0	39.6	79.2	7.1	12	187.7
Chloroethane	0	37.9	75.8	37.4	74.8	1.3	38	153.1
CHLOROFORM	0	46.5	93.0	43.9	87.8	5.8	32	170.4
Chloromethane	0	38.1	76.2	36	72.0	5.7	14	166.5
2-Chlorotoluene	0	41.7	83.4	30.5	61.0	31.0	22	201
4-Chlorotoluene	0	42.3	84.6	32.7	65.4	25.6	15	201.8
Dibromomethane	0	45.5	91.0	43.6	87.2	4.3	26	159.8
1,3-Dichlorobenzene	0	42.8	85.6	31.9	63.8	29.2	18	151.1
1,2-Dichlorobenzene	0	42.1	84.2	31.9	63.8	27.6	25	146.3
trans-1,2-Dichloroethene	0	52.4	104.8	49.5	99.0	5.7	19	188.9
cis-1,2-Dichloroethene	0	56.7	113.4	52.1	104.2	8.5	35	172.7
Methylene Chloride	0	54.9	109.8	51.5	103.0	6.4	27	174.5
1,1-Dichloroethane	0	52.9	105.8	48.8	97.6	8.1	47	158.5
1,1-Dichloropropene	0	47.4	94.8	42.6	85.2	10.7	37	151.4
1,2-DICHLOROPROPANE	0	52	104.0	47.7	95.4	8.6	37	164
1,3-Dichloropropane	0	39.8	79.6	37.2	74.4	6.8	31	183.6
cis-1,3-Dichloropropene	0	52.5	105.0	48.4	96.8	8.1	18	148
trans-1,3-Dichloropropene	0	53.8	107.6	49.3	98.6	8.7	27	138.2
2,2-Dichloropropane	0	53	106.0	49	98.0	7.8	19	182.6
ETHYL BENZENE	0	42.7	85.4	36.1	72.2	16.8	47	137.4
Styrene	0	45.3	90.6	38.9	77.8	15.2	36	127.8
1,1,2-Trichloroethane	0	52.8	105.6	50.8	101.6	3.9	59	129
1,1,1,2-Tetrachloroethane	0	48.1	96.2	43.3	86.6	10.5	24	158.7
1,1,2,2-Tetrachloroethane	0	43.2	86.4	37.8	75.6	13.3	27	212.2
Tetrachloroethene	0	125	250.0 !	121	242.0 !	3.3	9	181.8
1,2,3-Trichloropropane	0	36.4	72.8	33.5	67.0	8.3	22	233.3

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
MS/MSD Volatile QC Report-EPA Method 8260
Low Level Soil

Laboratory Sample # : A749076 5G
Data File :9635E. MS Data File : 9636E. MSD Data File : 9637E.
Date/Time : 101706 10:54 MS Date/Time : 101706 11:33 MSD Date/Time : 101706 12:11
Spike Conc : 50 uG/kG
Dilution Factor: 1

Compound	Sample Conc	Spike Conc	Spike % Rec	Spike Dup Conc	Spike Dup % Rec	RPD	Min Recovery	Max Recovery *
TOLUENE	0	52.8	105.6	47.6	95.2	10.4	29	157.6
m,p-Xylene	0	86.9	86.9	72.9	72.9	17.5	44	138.3
o-Xylene	0	44.4	88.8	37.5	75.0	16.8	54	134.8
Bromochloromethane	0	34.7	69.4	33.4	66.8	3.8	35	155.5
n-Butylbenzene	0	36.3	72.6	22.4	44.8	47.4	17	139
Dichlorodifluoromethane	0	19.5	39.0	17.9	35.8 !	8.6	39	129.1
Trichlorofluoromethane	0	44.4	88.8	42.4	84.8	4.6	11	192.1
Hexachlorobutadiene	0	23.8	47.6	16.9	33.8	33.9	8	97.5
Isopropylbenzene	0	43.6	87.2	30.1	60.2	36.6	16	228.3
p-Isopropyltoluene	0	39.4	78.8	25.9	51.8	41.3	6	172.4
Naphthalene	0	38.3	76.6	33.7	67.4	12.8	1	121.3
n-Propylbenzene	0	38.8	77.6	27	54.0	35.9	41	154
sec-Butylbenzene	0	38.2	76.4	24	48.0	45.7	21	159.3
t-Butylbenzene	0	108	216.0 !	86	172.0 !	22.7	15	168.6
1,2,3-Trichlorobenzene	0	35	70.0	26	52.0	29.5	D	93.2
1,2,4-Trichlorobenzene	0	39	78.0	27	54.0	36.4	4	92.7
1,2,4-Trimethylbenzene	0	30.6	61.2	23	46.0 !	28.4	49	143.9
1,3,5-Trimethylbenzene	0	42.3	84.6	29.4	58.8	36.0	41	167.9
Acrolein	0	233	46.6	225	45.0	3.5	D	168.5
Acetone	0	44.3	88.6	50.9	101.8	13.9	D	166.2
Acrylonitrile	0	493	98.6	459	91.8	7.1	D	201.1
Carbon Disulfide	0	39.2	78.4	36.5	73.0	7.1	22	161.5
Vinyl Acetate	0	55.5	111.0	53.2	106.4	4.2	25	184.8
2-Butanone	0	38.3	76.6	37.3	74.6	2.6	D	158.6
4-Methyl-2-Pentanone	0	49.7	99.4	49.5	99.0	0.4	18	173.1
2-Hexanone	0	44.1	88.2	43.8	87.6	0.7	5	174.7
2-Chloroethylvinylether	0	59	118.0	57	114.0	3.4	10	155.7
(Results Signal 1)	0	0	0.0 !	0	0.0 !		D	169.2
1,2-Dibromoethane	0	53.7	107.4	51	102.0	5.2	20	140
1,2-Dibromo-3-chloropropar	0	41.5	83.0	37.9	75.8	9.1	33	146.4
Iodomethane	0	49.8	99.6	46.8	93.6	6.2	13	159.1

Co-eluting Dichlorobenzenes and Xylenes spiked at 100 uG/kG
Acrolein and Acrylonitrile spiked at 250 uG/kG

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS Volatile QC Report-EPA Method 8260
Medium Level Soil

LCS Data File : 9654E.
LCS Date/Time : 101906 09:20
Spike Conc : 2.5 mG/kG
Dilution Factor: 0

Q1891679

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max Recovery *
Benzene	2.93	117.2	60	136.9
Carbon Tetrachloride	2.97	118.8	54	143.3
1,4-Dichlorobenzene	3.1	124.0	70	125
1,2-Dichloroethane	2.87	114.8	45	141.2
1,1-DICHLOROETHENE	2.76	110.4	41	129.1
1,1,1-Trichloroethane	2.95	118.0	58	139
Trichloroethene	3.19	127.6	62	131.7
VINYL CHLORIDE	1.95	78.0	51	153
Bromobenzene	2.79	111.6	48	136.2
Bromodichloromethane	2.97	118.8	55	128.9
Bromoform	3.17	126.8	54	133.2
Bromomethane	2.39	95.6	24	144.2
Chlorobenzene	3.01	120.4	65	134.8
Dibromochloromethane	2.96	118.4	61	129.6
Chloroethane	2.44	97.6	44	152.3
CHLOROFORM	2.91	116.4	63	136.3
Chloromethane	1.68	67.2	32	134.2
2-Chlorotoluene	2.86	114.4	60	140.9
4-Chlorotoluene	3	120.0	62	139.8
Dibromomethane	2.98	119.2	55	130.8
1,3-Dichlorobenzene	3.19	127.6	66	132
1,2-Dichlorobenzene	3.08	123.2	69	128.1
trans-1,2-Dichloroethene	2.99	119.6	61	126.9
cis-1,2-Dichloroethene	2.98	119.2	64	129.4
Methylene Chloride	2.48	99.2	31	132.4
1,1-Dichloroethane	2.73	109.2	50	140.8
1,1-Dichloropropene	2.94	117.6	62	139.7
1,2-DICHLOROPROPANE	2.79	111.6	52	138.8
1,3-Dichloropropane	2.83	113.2	47	138.2
cis-1,3-Dichloropropene	2.86	114.4	55	125.6
trans-1,3-Dichloropropene	2.85	114.0	52	130
2,2-Dichloropropane	2.86	114.4	49	141.8
ETHYL BENZENE	3.03	121.2	63	133.5
Styrene	3.14	125.6	65	128.6
1,1,2-Trichloroethane	3.09	123.6	53	131.1
1,1,1,2-Tetrachloroethane	3.05	122.0	63	133.9
1,1,2,2-Tetrachloroethane	2.79	111.6	35	152.8
Tetrachloroethene	3.22	128.8	48	137.1
1,2,3-Trichloropropane	2.8	112.0	38	146

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS Volatile QC Report-EPA Method 8260
Medium Level Soil

LCS Data File : 9654E.
LCS Date/Time : 101906 09:20
Spike Conc : 2.5 mG/kG
Dilution Factor: 0

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max
TOLUENE	2.97	118.8	66	130.9
m,p-Xylene	6.35	127.0	61	134.5
o-Xylene	3.21	128.4	59	136.6
Bromochloromethane	3.02	120.8	49	140.6
n-Butylbenzene	3.07	122.8	58	138.3
Dichlorodifluoromethane	0.974	39.0	14	153.4
Trichlorofluoromethane	2.69	107.6	48	165.8
Hexachlorobutadiene	3.4	136.0	19	174.4
Isopropylbenzene	2.78	111.2	55	165.9
p-Isopropyltoluene	3.27	130.8	61	146.4
Naphthalene	3.65	146.0	31	154.1
n-Propylbenzene	2.87	114.8	52	149
sec-Butylbenzene	2.96	118.4	54	143.4
t-Butylbenzene	3.03	121.2	48	131.9
1,2,3-Trichlorobenzene	3.94	157.6 !	39	151.9
1,2,4-Trichlorobenzene	3.77	150.8	34	155.3
1,2,4-Trimethylbenzene	3.09	123.6	61	137.3
1,3,5-Trimethylbenzene	3.01	120.4	60	142
Acrolein	13.5	54.0	D	314.2
Acetone	2.65	106.0	19	146.6
Acrylonitrile	0.359	1.4	D	605.4
Carbon Disulfide	2.46	98.4	50	129.3
Vinyl Acetate	2.93	117.2	40	129.5
2-Butanone	2.65	106.0	27	140.5
4-Methyl-2-Pentanone	2.59	103.6	34	128.6
2-Hexanone	2.52	100.8	20	136.1
2-Chloroethylvinylether	2.85	114.0	18	143.6
(Results Signal 1)	0	0.0 !	D	176.7
1,2-Dibromoethane	3.01	120.4	51	133.5
1,2-Dibromo-3-chloropropane	2.81	112.4	40	138.8
Iodomethane	2.74	109.6	12	182.1

Co-eluting Dichlorobenzenes and Xylenes spiked at 5 mG/kG
Acrolein and Acrylonitrile spiked at 12.5 mG/kG

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS Volatile QC Report-EPA Method 8260
Medium Level Soil

LCS Data File : 9703E.
LCS Date/Time : 102606 08:19
Spike Conc : 2.5 mG/kG
Dilution Factor: 0

Q189188

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max Recovery *
Benzene	2.65	106.0	60	136.9
Carbon Tetrachloride	2.86	114.4	54	143.3
1,4-Dichlorobenzene	2.12	84.8	70	125
1,2-Dichloroethane	2.73	109.2	45	141.2
1,1-DICHLOROETHENE	2.78	111.2	41	129.1
1,1,1-Trichloroethane	2.77	110.8	58	139
Trichloroethene	2.99	119.6	62	131.7
VINYL CHLORIDE	2.15	86.0	51	153
Bromobenzene	1.87	74.8	48	136.2
Bromodichloromethane	2.68	107.2	55	128.9
Bromoform	2.37	94.8	54	133.2
Bromomethane	2.77	110.8	24	144.2
Chlorobenzene	2.19	87.6	65	134.8
Dibromochloromethane	2.24	89.6	61	129.6
Chloroethane	2.57	102.8	44	152.3
CHLOROFORM	2.69	107.6	63	136.3
Chloromethane	2.01	80.4	32	134.2
2-Chlorotoluene	1.98	79.2	60	140.9
4-Chlorotoluene	2.03	81.2	62	139.8
Dibromomethane	2.69	107.6	55	130.8
1,3-Dichlorobenzene	2.23	89.2	66	132
1,2-Dichlorobenzene	2.13	85.2	69	128.1
trans-1,2-Dichloroethene	2.75	110.0	61	126.9
cis-1,2-Dichloroethene	2.74	109.6	64	129.4
Methylene Chloride	2.24	89.6	31	132.4
1,1-Dichloroethane	2.49	99.6	50	140.8
1,1-Dichloropropene	2.73	109.2	62	139.7
1,2-DICHLOROPROPANE	2.32	92.8	52	138.8
1,3-Dichloropropane	1.99	79.6	47	138.2
cis-1,3-Dichloropropene	2.51	100.4	55	125.6
trans-1,3-Dichloropropene	2.55	102.0	52	130
2,2-Dichloropropane	2.63	105.2	49	141.8
ETHYL BENZENE	2.26	90.4	63	133.5
Styrene	2.27	90.8	65	128.6
1,1,2-Trichloroethane	2.71	108.4	53	131.1
1,1,1,2-Tetrachloroethane	2.32	92.8	63	133.9
1,1,2,2-Tetrachloroethane	1.82	72.8	35	152.8
Tetrachloroethene	2.46	98.4	48	137.1
1,2,3-Trichloropropane	1.98	79.2	38	146

QC Std# 605
Method # 309

Heritage Laboratories, Indianapolis
LCS Volatile QC Report-EPA Method 8260
Medium Level Soil

LCS Data File : 9703E.
LCS Date/Time : 102606 08:19
Spike Conc : 2.5 mG/kG
Dilution Factor: 0

Compound	Spike Conc	Spike % Rec	Min Recovery *	Max Recovery *
TOLUENE	2.66	106.4	66	130.9
m,p-Xylene	4.45	89.0	61	134.5
o-Xylene	2.28	91.2	59	136.6
Bromochloromethane	2.86	114.4	49	140.6
n-Butylbenzene	2	80.0	58	138.3
Dichlorodifluoromethane	2.33	93.2	14	153.4
Trichlorofluoromethane	2.84	113.6	48	165.8
Hexachlorobutadiene	2.22	88.8	19	174.4
Isopropylbenzene	1.9	76.0	55	165.9
p-Isopropyltoluene	2.19	87.6	61	146.4
Naphthalene	2.13	85.2	31	154.1
n-Propylbenzene	1.86	74.4	52	149
sec-Butylbenzene	2	80.0	54	143.4
t-Butylbenzene	2.09	83.6	48	131.9
1,2,3-Trichlorobenzene	2.48	99.2	39	151.9
1,2,4-Trichlorobenzene	2.36	94.4	34	155.3
1,2,4-Trimethylbenzene	2.02	80.8	61	137.3
1,3,5-Trimethylbenzene	2.03	81.2	60	142
Acrolein	13.2	52.8	D	314.2
Acetone	2.3	92.0	19	146.6
Acrylonitrile	0.368	1.5	D	605.4
Carbon Disulfide	2.38	95.2	50	129.3
Vinyl Acetate	2.58	103.2	40	129.5
2-Butanone	2.13	85.2	27	140.5
4-Methyl-2-Pentanone	2.06	82.4	34	128.6
2-Hexanone	1.6	64.0	20	136.1
2-Chloroethylvinylether	2.28	91.2	18	143.6
(Results Signal 1)	0	0.0 !	D	176.7
1,2-Dibromoethane	2.76	110.4	51	133.5
1,2-Dibromo-3-chloropropane	1.79	71.6	40	138.8
Iodomethane	2.63	105.2	12	182.1

Co-eluting Dichlorobenzenes and Xylenes spiked at 5 mG/kG
Acrolein and Acrylonitrile spiked at 12.5 mG/kG

4A
VOLATILE METHOD BLANK SUMMARY

Sample No. VBLK01

Lab Name: HES/CLO Contract:

Lab Code: Case No: SAS No.: SGD No:

Lab File ID: 9482E.D Lab Sample ID: VBLK

Date Analyzed: 10/04/06 Test Code: O510.5 Time Analyzed: 06:41

GC Column: CAPILLARY ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: GC/MS#5

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

	SampleID QCSampleID	Rep	ClientID Source	TestCode QCType	LAB FileName	Time Analyzed
01	Q1888986			LCS01	9483E.D	07:19
02	Q1888514			LCS	9484E.D	07:58
03	A747908	R0	A3-NW-3	O510.5	9485E.D	08:33
04	A747909	R0	A3-NW-4	O510.5	9486E.D	09:08
05	A747910	R0	A3-EW-1	O510.5	9487E.D	09:46
06	A747911	R0	A3-EW-2	O510.5	9488E.D	10:24
07	A747912	R0	A3-EW-3	O510.5	9489E.D	11:02
08	A747913	R0	A3-EW-4	O510.5	9490E.D	11:41
09	A747914	R0	A3-SW-1	O510.5	9491E.D	12:19
10	A747915	R0	A3-SW-2	O510.5	9492E.D	12:57
11	A747904	R1	A3-WW-5	O510.5	9493E.D	13:35
12	A747905	R1	A3-WW-5 DUP	O510.5	9494E.D	14:13
13	Q1888987		A747909	SPI01	9495E.D	14:52
14	Q1888988		A747909	DPS01	9496E.D	15:30
→15	Q1888515		A747905	SPI02	9497E.D	16:08
→16	Q1888516		A747905	DPS02	9498E.D	16:46
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Sample No. VBLK02

Lab Name: HES/CLO Contract:

Lab Code: Case No: SAS No.: SGD No:

Lab File ID: 9632E.D Lab Sample ID: VBLK

Date Analyzed: 10/17/06 Test Code: O510.5 Time Analyzed: 08:43

GC Column: CAPILLARY ID : 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: GC/MS#5

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

	SampleID QCSampleID	Rep	ClientID Source	TestCode QCType	LAB FileName	Time Analyzed
01	Q1892358			LCS01	9633E.D	09:37
→ 02	A749076	R0	A2-SW-1(6')	O510.5	9635E.D	10:54
→ 03	A749078	R0	A2-WW-1(4')	O510.5	9634E.D	10:16
→ 04	A749077	R0	A2-SW-2(11')	O510.5	9638E.D	12:49
→ 05	A749079	R0	A2-WW-2(9')	O510.5	9639E.D	13:28
→ 06	A749078	R1	A2-WW-1(4')	O510.5	9640E.D	14:06
07	Q1892359		A749076	SPI01	9636E.D	11:33
08	Q1892360		A749076	DPS01	9637E.D	12:11
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Sample No. VBLK03

Lab Name: HES/CLO Contract:

Lab Code: Case No: SAS No.: SGD No:.

Lab File ID: 9652E.D Lab Sample ID: VBLK

Date Analyzed: 10/19/06 Test Code: O510.5 Time Analyzed: 07:55

GC Column: CAPILLARY ID : 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: GC/MS#5

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

	SampleID QCSampleID	Rep	ClientID Source	TestCode QCType	LAB FileName	Time Analyzed
01	Q1892561			LCS01	9653E.D	08:42
→ 02	Q1891679			LCS	9654E.D	09:20
03	A749438	R0	WASH BAY SOIL SAMPLE	O560.3	9656E.D	10:35
→ 04	A749077	R1	A2-SW-2(11')	O510.5	9657E.D	11:12
05	A748880	R0	C205	O513.3	9658E.D	11:51
06	A749034	R0	SCHRADER BRIDGE PORT	O513.3	9659E.D	12:26
07	A749035	R0	SCHRADER BRIDGE PORT	O513.3	9660E.D	13:05
08	A748867	R0	DRILL CUTTINGS	O513.3	9661E.D	13:43
09	A748879	R0	EPOLAC PAINT	O513.3	9662E.D	14:21
10	A749251	R0	COPPELL, TX WAREHOUSE	O513.3	9663E.D	15:00
11	Q1892562		A749438	SPI01	9664E.D	15:38
12	Q1892563		A749438	DPS01	9665E.D	16:16
13	Q1892564		A749035	SPI01	9666E.D	16:55
14	Q1892565		A749035	DPS01	9667E.D	17:33
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Sample No. VBLK04

Lab Name: HES/CLO Contract:

Lab Code: Case No: SAS No.: SGD No.:

Lab File ID: 9701E.D Lab Sample ID: VBLK

Date Analyzed: 10/26/06 Test Code: O510.5 Time Analyzed: 06:57

GC Column: CAPILLARY ID : 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: GC/MS#5

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

	SampleID QCSampleID	Rep	ClientID Source	TestCode QCType	LAB FileName	Time Analyzed
01	Q1894339			LCS01	9702E.D	07:41
→02	Q1891898			LCS	9703E.D	08:19
03	Q1893899			LCS	9704E.D	08:55
04	A750182	R0	WS #9000-215	O560.3	9705E.D	09:33
05	A748879	R1	EPOLAC PAINT	O513.3	9706E.D	10:11
06	A749404	R0	DM-2A / DM-2B	O513.3	9707E.D	10:46
07	Q1894340		A748879	SPI01	9708E.D	11:22
08	Q1894343		A748879	DPS01	9709E.D	11:58
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: 8517E.D BFB Injection Date: 07/13/06
Instrument ID: GCMS # 5 BFB Injection Time: 17:27
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.8
75	30.0 - 60.0% of mass 95	50.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	>50.0% of mass 95	65.6
175	5.0 - 9.0% of mass 174	5.3 (8.1)1
176	95.0 - 101.0% of mass 174	64.7 (98.7)1
177	5.0 - 9.0% of mass 176	4.6 (7.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	8518E.D	07/13/06	18:06
02	VSTD010	VSTD010	8519E.D	07/13/06	18:45
03	VSTD020	VSTD020	8520E.D	07/13/06	19:23
04	VSTD050	VSTD050	8521E.D	07/13/06	20:01
05	VSTD100	VSTD100	8522E.D	07/13/06	20:39

7/18/06

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID: 8919E.D BFB Injection Date: 08/16/06
Instrument ID: GCMS # 5 BFB Injection Time: 06:14
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.4
75	30.0 - 60.0% of mass 95	45.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50.0% of mass 95	59.7
175	5.0 - 9.0% of mass 174	5.2 (8.8)1
176	95.0 - 101.0% of mass 174	60.3 (100.9)1
177	5.0 - 9.0% of mass 176	4.8 (8.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	8922E.D	08/16/06	07:57
02	VSTD010	VSTD010	8924E.D	08/16/06	09:10
03	VSTD020	VSTD020	8925E.D	08/16/06	09:48
04	VSTD050	VSTD050	8926E.D	08/16/06	10:26
05	VSTD100	VSTD100	8927E.D	08/16/06	11:05
06	VSTD200	VSTD200	8928E.D	08/16/06	11:44

8/17/06

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID: 9479E.D BFB Injection Date: 10/04/06
Instrument ID: GCMS # 5 BFB Injection Time: 05:03
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50.0% of mass 95	61.8
175	5.0 - 9.0% of mass 174	5.0 (8.2)1
176	95.0 - 101.0% of mass 174	61.3 (99.2)1
177	5.0 - 9.0% of mass 176	4.8 (7.8)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	9480E.D	10/04/06	05:28
02	SPECIAL MIX ST	SPECIAL MIX STD	9481E.D	10/04/06	06:05
03	VBLK	VBLK	9482E.D	10/04/06	06:41
04	DI MS	DI MS	9483E.D	10/04/06	07:19
05	LCS #333-2	LCS # 333-2	9484E.D	10/04/06	07:58
06	A747908 5G	A747908 5G	9485E.D	10/04/06	08:33
07	A747909 5G	A747909 5G	9486E.D	10/04/06	09:08
08	A747910 5G	A747910 5G	9487E.D	10/04/06	09:46
09	A747911 5G	A747911 5G	9488E.D	10/04/06	10:24
10	A747912 5G	A747912 5G	9489E.D	10/04/06	11:02
11	A747913 5G	A747913 5G	9490E.D	10/04/06	11:41
12	A747914 5G	A747914 5G	9491E.D	10/04/06	12:19
13	A747915 5G	A747915 5G	9492E.D	10/04/06	12:57
14	A747904 1:125	A747904 1:125	9493E.D	10/04/06	13:35
15	A747905 1:125	A747905 1:125	9494E.D	10/04/06	14:13
16	A747909 MS	A747909 MS	9495E.D	10/04/06	14:52
17	A747909 MSD	A747909 MSD	9496E.D	10/04/06	15:30
18	A747905 MS	A747905 MS	9497E.D	10/04/06	16:08
19	A747905 MSD	A747905 MSD	9498E.D	10/04/06	16:46
20	A747906 5G	A747906 5G	9499E.D	10/04/06	17:24

10/5/06 for carryover

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract: _____
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____
Lab File ID: 9629E.D BFB Injection Date: 10/17/06
Instrument ID: GCMS # 5 BFB Injection Time: 06:36
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 60.0% of mass 95	46.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50.0% of mass 95	66.0
175	5.0 - 9.0% of mass 174	5.4 (8.2)1
176	95.0 - 101.0% of mass 174	66.0 (100.0)1
177	5.0 - 9.0% of mass 176	5.2 (7.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	9630E.D	10/17/06	07:02
02	APPIX IX STD	APPDX IX STD	9631E.D	10/17/06	07:52
03	VBLK	VBLK	9632E.D	10/17/06	08:43
04	DI MS	DI MS	9633E.D	10/17/06	09:37
05	A749078 1G	A749078 1G	9634E.D	10/17/06	10:16
06	A749076 5G	A749076 5G	9635E.D	10/17/06	10:54
07	A749076 MS	A749076 MS 5G	9636E.D	10/17/06	11:33
08	A749076 MSD	A749076 MSD 5G	9637E.D	10/17/06	12:11
09	A749077 5G	A749077 5G	9638E.D	10/17/06	12:49
10	A749079 5G	A749079 5G	9639E.D	10/17/06	13:28
11	A749078 1:125	A749078 1:125	9640E.D	10/17/06	14:06
12	LCS #333-4	LCS#333-4	9641E.D	10/17/06	14:45
13	A749079 5G	A749079 5G	9642E.D	10/18/06	06:42

10/19/06

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID: 9649E.D BFB Injection Date: 10/19/06
Instrument ID: GCMS # 5 BFB Injection Time: 05:53
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	44.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	4.9 (6.9)1
176	95.0 - 101.0% of mass 174	67.2 (96.1)1
177	5.0 - 9.0% of mass 176	4.9 (7.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	9651E.D	10/19/06	07:11
02	VBLK	VBLK	9652E.D	10/19/06	07:55
03	DI MS	DI MS	9653E.D	10/19/06	08:42
04	LCS #333-4	LCS # 333-4	9654E.D	10/19/06	09:20
05	LCS #333-5	LCS # 333-5	9655E.D	10/19/06	09:59
06	A749438 5G	A749438 5G	9656E.D	10/19/06	10:35
07	A749077 1:125	A749077 1:125	9657E.D	10/19/06	11:12
08	A748880 1:10000	A748880 1:10000	9658E.D	10/19/06	11:51
09	A749034 1:10	A749034 1:10	9659E.D	10/19/06	12:26
10	A749035 1:10	A749035 1:10	9660E.D	10/19/06	13:05
11	A748867 1:10	A748867 1:10	9661E.D	10/19/06	13:43
12	A748879 1:1000	A748879 1:1000	9662E.D	10/19/06	14:21
13	A749251 1:10	A749251 1:10	9663E.D	10/19/06	15:00
14	A749438 MS	A749438 MS	9664E.D	10/19/06	15:38
15	A749438 MSD	A749438 MSD	9665E.D	10/19/06	16:16
16	A749035 MS	A749035 MS	9666E.D	10/19/06	16:55
17	A749035 MSD	A749035 MSD	9667E.D	10/19/06	17:33

10/20/06

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID: 9699E.D BFB Injection Date: 10/26/06
Instrument ID: GCMS # 5 BFB Injection Time: 05:44
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 60.0% of mass 95	45.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50.0% of mass 95	68.0
175	5.0 - 9.0% of mass 174	5.8 (8.5)1
176	95.0 - 101.0% of mass 174	67.5 (99.3)1
177	5.0 - 9.0% of mass 176	5.2 (7.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	9700E.D	10/26/06	06:11
02	VBLK	VBLK	9701E.D	10/26/06	06:57
03	DI MS	DI MS	9702E.D	10/26/06	07:41
04	LCS #333-6	LCS #333-6	9703E.D	10/26/06	08:19
05	LCS #333-7	LCS #333-7	9704E.D	10/26/06	08:55
06	A750182 1:125	A750182 1:125	9705E.D	10/26/06	09:33
07	A748879 1:5000	A748879 1:5000	9706E.D	10/26/06	10:11
08	A749404 1:100	A749404 1:100	9707E.D	10/26/06	10:46
09	A749879 MS	A748879 MS	9708E.D	10/26/06	11:22
10	A749879 MSD	A748879 MSD	9709E.D	10/26/06	11:58

10/27/06

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID (Standard): 9480E.D Date Analyzed: 10/04/06
Instrument ID: GCMS # 5 Time Analyzed: 05:28
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1729055	11.87	1304464	18.50	728830	22.57
	UPPER LIMIT	3458110	12.37	2608928	19.00	1457660	23.07
	LOWER LIMIT	864528	11.37	652232	18.00	364415	22.07
	EPA SAMPLE NO.						
01	SPECIAL MIX	1605641	11.87	1253465	18.50	776272	22.58
02	VBLK	1705280	11.88	1321971	18.51	824720	22.60
03	DI MS	1807066	11.87	1308448	18.52	753155	22.59
04	LCS #333-2	1812796	11.88	1300320	18.52	762971	22.58
05	A747908 5G	1851291	11.88	1346376	18.53	795138	22.59
06	A747909 5G	1738587	11.89	1083388	18.52	468096	22.59
07	A747910 5G	1826316	11.88	1255290	18.52	632295	22.60
08	A747911 5G	1789401	11.89	1132946	18.51	487283	22.59
09	A747912 5G	1843175	11.88	1284693	18.51	660737	22.59
10	A747913 5G	1761547	11.88	1103248	18.51	447559	22.59
11	A747914 5G	1869252	11.88	1268372	18.51	634640	22.59
12	A747915 5G	1819447	11.87	1173306	18.51	527880	22.59
13	A747904 1:12	1878582	11.85	1404166	18.52	840546	22.60
14	A747905 1:12	1850857	11.85	1409890	18.51	876780	22.58
15	A747909 MS	1750914	11.87	1160357	18.51	562355	22.58
16	A747909 MSD	1823752	11.87	1228704	18.51	615880	22.59
17	A747905 MS	1821573	11.85	1323408	18.52	768132	22.60
18	A747905 MSD	1788350	11.86	1306971	18.52	738425	22.59
19	A747906 5G	1923095	11.87	1420874	18.51	826557	22.58

10/5/06

IS1 = FLUOROBENZENE
IS2 = CHLOROBENZENE-d5
IS3 = 1,4-Dichlorobenzene-d4

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

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID (Standard): 9630E.D Date Analyzed: 10/17/06
Instrument ID: GCMS # 5 Time Analyzed: 07:02
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1675561	11.91	1334541	18.53	748329	22.61
	UPPER LIMIT	3351122	12.41	2669082	19.03	1496658	23.11
	LOWER LIMIT	837781	11.41	667271	18.03	374165	22.11
	EPA SAMPLE NO.						
01	APPIX IX STD	1503443	11.91	1341038	18.55	852716	22.62
02	VBLK	1619297	11.92	1420592	18.54	899621	22.62
03	DI MS	1620379	11.92	1386650	18.55	871944	22.61
04	A749078 1G	1545569	11.90	1179898	18.53	170327 *	22.64
05	A749076 5G	1536988	11.91	1369710	18.55	872729	22.61
06	A749076 MS	1490202	11.91	1272288	18.54	704007	22.61
07	A749076 MSD	1423129	11.91	1233593	18.53	739333	22.61
08	A749077 5G	1322505	11.91	1007306	18.54	442260	22.61
09	A749079 5G	1451999	11.90	1221423	18.54	650885	22.62
10	A749078 1:12	1419775	11.88	1244222	18.54	510238	22.61
11	LCS #333-4	1420703	11.89	1244494	18.54	744472	22.61
12	A749079 5G	1538053	11.91	1345646	18.54	717164	22.60

RD 10/19/06

IS1 = FLUOROBENZENE
IS2 = CHLOROBENZENE-d5
IS3 = 1,4-Dichlorobenzene-d4

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

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID (Standard): 9651E.D Date Analyzed: 10/19/06
Instrument ID: GCMS # 5 Time Analyzed: 07:11
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1691671	11.83	1261783	18.48	703973	22.56
	UPPER LIMIT	3383342	12.33	2523566	18.98	1407946	23.06
	LOWER LIMIT	845836	11.33	630892	17.98	351987	22.06
	EPA SAMPLE NO.						
01	VBLK	1781403	11.84	1338483	18.50	839335	22.56
02	DI MS	1775667	11.87	1318119	18.51	788303	22.59
03	LCS #333-4	1796128	11.85	1304459	18.49	803985	22.57
04	LCS #333-5	1779230	11.85	1310435	18.49	797975	22.58
05	A749438 5G	1520650	11.85	925518	18.49	365371	22.57
06	A749077 1:12	1720622	11.83	1342512	18.49	799849	22.58
07	A748880 1:10	1783013	11.85	1300006	18.51	809792	22.57
08	A749034 1:10	1833245	11.85	1435296	18.50	906496	22.57
09	A749035 1:10	1835158	11.87	1397720	18.50	893702	22.57
10	A748867 1:10	1831856	11.86	1401919	18.49	888936	22.58
11	A748879 1:10	1864304	11.85	1448759	18.50	904366	22.58
12	A749251 1:10	1860044	11.86	1423278	18.51	909032	22.59
13	A749438 MS	1541588	11.87	980640	18.52	464437	22.58
14	A749438 MSD	1363159	11.87	919301	18.50	430306	22.59
15	A749035 MS	1834414	11.86	1363418	18.50	823029	22.58
16	A749035 MSD	1825178	11.87	1344281	18.50	820253	22.58

RJ 10/20/06

IS1 = FLUOROBENZENE
IS2 = CHLOROBENZENE-d5
IS3 = 1,4-Dichlorobenzene-d4

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

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Heritage Labs Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Lab File ID (Standard): 9700E.D Date Analyzed: 10/26/06
Instrument ID: GCMS # 5 Time Analyzed: 06:11
GC Column: Cap. ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	1781507	11.89	1550229	18.52	971286	22.59
	UPPER LIMIT	3563014	12.39	3100458	19.02	1942572	23.09
	LOWER LIMIT	890754	11.39	775115	18.02	485643	22.09
	EPA SAMPLE NO.						
01	VBLK	1733376	11.88	1579249	18.53	1077412	22.59
02	DI MS	1710460	11.89	1563306	18.53	1013550	22.60
03	LCS #333-6	1686822	11.88	1545100	18.52	1011308	22.59
04	LCS #333-7	1702437	11.89	1557972	18.53	967187	22.61
05	A750182 1:12	1632971	11.86	1522321	18.52	950156	22.60
06	A748879 1:50	1706688	11.88	1571139	18.53	1009230	22.59
07	A749404 1:10	1662859	11.89	1491935	18.53	1012318	22.60
08	A749879 MS	1686590	11.89	1439312	18.51	907913	22.59
09	A749879 MSD	1643561	11.88	1423904	18.53	927725	22.59

10/27/06

IS1 = FLUOROBENZENE
IS2 = CHLOROBENZENE-d5
IS3 = 1,4-Dichlorobenzene-d4

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

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

R510458 Heritage Environmental Services, LLC A749076

GC/MS VOA

Method SW846-8260B
Sample Description A2-SW-1(6')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.0
Analyst 1365 H. WILLIAMS
File 9635E.D Date/Time 17Oct06 10:54:00
Dilution Factor 1

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
67-64-1	99	ACETONE (2-PROPANONE)		BDL	0.020	MG/KG	
107-02-8	105	ACROLEIN		BDL	0.025	MG/KG	
107-13-1	106	ACRYLONITRILE		BDL	0.025	MG/KG	
71-43-2	151	BENZENE		BDL	0.0050	MG/KG	
108-86-1	193	BROMOBENZENE		BDL	0.0050	MG/KG	
74-97-5	194	BROMOCHLOROMETHANE		BDL	0.0050	MG/KG	
75-27-4	195	BROMODICHLOROMETHANE		BDL	0.0050	MG/KG	
75-25-2	197	BROMOFORM		BDL	0.0050	MG/KG	
74-83-9	198	BROMOMETHANE		BDL	0.010	MG/KG	
104-51-8	519	N-BUTYLBENZENE		BDL	0.0050	MG/KG	
135-98-8	644	SEC-BUTYLBENZENE		BDL	0.0050	MG/KG	
98-06-6	702	TERT-BUTYLBENZENE		BDL	0.0050	MG/KG	
75-15-0	216	CARBON DISULFIDE		BDL	0.0050	MG/KG	
56-23-5	217	CARBON TETRACHLORIDE		BDL	0.0050	MG/KG	
108-90-7	231	CHLOROBENZENE		BDL	0.0050	MG/KG	
124-48-1	295	DIBROMOCHLOROMETHANE		BDL	0.0050	MG/KG	
75-00-3	234	CHLOROETHANE		BDL	0.010	MG/KG	
67-66-3	235	CHLOROFORM		BDL	0.0050	MG/KG	
74-87-3	236	CHLOROMETHANE		BDL	0.0050	MG/KG	
95-49-8	807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)		BDL	0.0050	MG/KG	
106-43-4	808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)		BDL	0.0050	MG/KG	
110-75-8	54	2-CHLOROETHYLVINYLETHER		BDL	0.0050	MG/KG	
96-12-8	19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)		BDL	0.0050	MG/KG	
106-93-4	18	1,2-DIBROMOETHANE (EDB)		BDL	0.0050	MG/KG	
74-95-3	296	DIBROMOMETHANE		BDL	0.0050	MG/KG	
95-50-1	20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
541-73-1	26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
106-46-7	29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
75-71-8	300	DICHLORODIFLUOROMETHANE		BDL	0.0050	MG/KG	
110-57-6	748	TRANS-1,4-DICHLORO-2-BUTENE		BDL	0.010	MG/KG	
75-34-3	7	1,1-DICHLOROETHANE		BDL	0.0050	MG/KG	
107-06-2	21	1,2-DICHLOROETHANE		BDL	0.0050	MG/KG	
75-35-4	8	1,1-DICHLOROETHENE		BDL	0.0050	MG/KG	
156-59-2	246	CIS-1,2-DICHLOROETHENE		BDL	0.0050	MG/KG	
156-60-5	746	TRANS-1,2-DICHLOROETHENE		BDL	0.0050	MG/KG	
78-87-5	23	1,2-DICHLOROPROPANE		BDL	0.0050	MG/KG	
142-28-9	27	1,3-DICHLOROPROPANE		BDL	0.0050	MG/KG	
594-20-7	33	2,2-DICHLOROPROPANE		BDL	0.0050	MG/KG	
563-58-6	10	1,1-DICHLOROPROPENE		BDL	0.0050	MG/KG	
10061-01-5	247	CIS-1,3-DICHLOROPROPENE		BDL	0.0050	MG/KG	
10061-02-6	747	TRANS-1,3-DICHLOROPROPENE		BDL	0.0050	MG/KG	
100-41-4	349	ETHYL BENZENE		BDL	0.0050	MG/KG	
97-63-2	351	ETHYL METHACRYLATE		BDL	0.050	MG/KG	
591-78-6	60	2-HEXANONE		BDL	0.0050	MG/KG	
87-68-3	398	HEXACHLOROBUTADIENE		BDL	0.0050	MG/KG	

10/17/06

R510458 Heritage Environmental Services, LLC A749076

GC/MS VOA

74-88-4	422	IODOMETHANE		BDL 0.0050	MG/KG
98-82-8	432	ISOPROPYLBENZENE (CUMENE)		BDL 0.0050	MG/KG
99-87-6	628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)		BDL 0.0050	MG/KG
75-09-2	302	DICHLOROMETHANE (METHYLENE CHLORIDE)		BDL 0.0050	MG/KG
78-93-3	475	METHYL ETHYL KETONE		BDL 0.010	MG/KG
1634-04-4	859	METHYL-T-BUTYL ETHER (MTBE)		BDL 0.0050	MG/KG
108-10-1	476	METHYL ISOBUTYL KETONE		BDL 0.010	MG/KG
91-20-3	493	NAPHTHALENE	0.0079	0.0050	MG/KG
103-65-1	532	N-PROPYLBENZENE		BDL 0.0050	MG/KG
100-42-5	680	STYRENE		BDL 0.0050	MG/KG
630-20-6	1	1,1,1,2-TETRACHLOROETHANE		BDL 0.0050	MG/KG
79-34-5	3	1,1,2,2-TETRACHLOROETHANE		BDL 0.0050	MG/KG
127-18-4	703	TETRACHLOROETHENE		BDL 0.0050	MG/KG
108-88-3	724	TOLUENE		BDL 0.0050	MG/KG
87-61-6	13	1,2,3-TRICHLOROBENZENE		BDL 0.0050	MG/KG
120-82-1	16	1,2,4-TRICHLOROBENZENE		BDL 0.0050	MG/KG
71-55-6	2	1,1,1-TRICHLOROETHANE		BDL 0.0050	MG/KG
79-00-5	4	1,1,2-TRICHLOROETHANE		BDL 0.0050	MG/KG
79-01-6	750	TRICHLOROETHENE		BDL 0.0050	MG/KG
75-69-4	372	TRICHLOROFLUOROMETHANE		BDL 0.0050	MG/KG
96-18-4	14	1,2,3-TRICHLOROPROPANE		BDL 0.0050	MG/KG
95-63-6	17	1,2,4-TRIMETHYLBENZENE	0.0083	0.0050	MG/KG
108-67-8	25	1,3,5-TRIMETHYLBENZENE		BDL 0.0050	MG/KG
108-05-4	767	VINYL ACETATE		BDL 0.0050	MG/KG
75-01-4	768	VINYL CHLORIDE		BDL 0.0050	MG/KG
1330-20-7	803	XYLENES (O/M/P-XYLENE)		BDL 0.0050	MG/KG
	1804	...			
	971	SURROGATE RECOVERY			
	972	————————			
17060-07-0	301	DICHLOROETHANE-D4	94		% RECOVERY
2037-26-5	726	TOLUENE-D8	108		% RECOVERY
460-00-4	196	4-BROMOFLUOROBENZENE	130		% RECOVERY
1868-53-7	3362	DIBROMOFLUOROMETHANE	101		% RECOVERY

Comment Prep Method SW846-5030B Purge and Trap

Qualifiers

BDL Below Detection Limit

Comments to Laboratory (do not record)

9OZ ROUND

**********REPORT ALL RESULTS IN MG/KG.**********

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9635E.D
Acq On : 17 Oct 06 10:54
Sample : A749076 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 11:23 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1536988	50.00 UG/L	0.09
51) CHLOROBENZENE-d5	18.55	117	1369710	50.00 UG/L	0.08
63) 1,4-Dichlorobenzene-d4	22.61	152	872729	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.23	65	588756	47.21 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 94.42%#		
44) Toluene-d8	15.36	98	1477204	54.04 UG/L	0.10
Spiked Amount 50.000	Range 44 - 55		Recovery = 108.08%#		
47) Dibromofluoromethane	10.56	113	995600	50.71 UG/L	0.10
Spiked Amount 50.000			Recovery = 101.42%		
50) 4-Bromofluorobenzene	20.72	95	1461121	65.08 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 130.16%#		

Target Compounds					Qvalue
13) Methylene Chloride	7.32	84	64011	3129.58 UG/L	77
15) Carbon Disulfide	6.88	76	13707	1364.30 UG/L #	73
36) N-Butanol	12.15	43	297	1.25 UG/L	100
69) 1,3,5-Trimethylbenzene	21.44	105	34247	1.16 UG/L	100
73) 1,2,4-Trimethylbenzene	22.05	105	118976	4.16 UG/L	100
75) p-Isopropyltoluene	22.45	119	33828	1.18 UG/L	100
78) n-Butylbenzene	23.17	92	24445	1.28 UG/L	77
82) Naphthalene	26.41	128	78359	3.96 UG/L	100

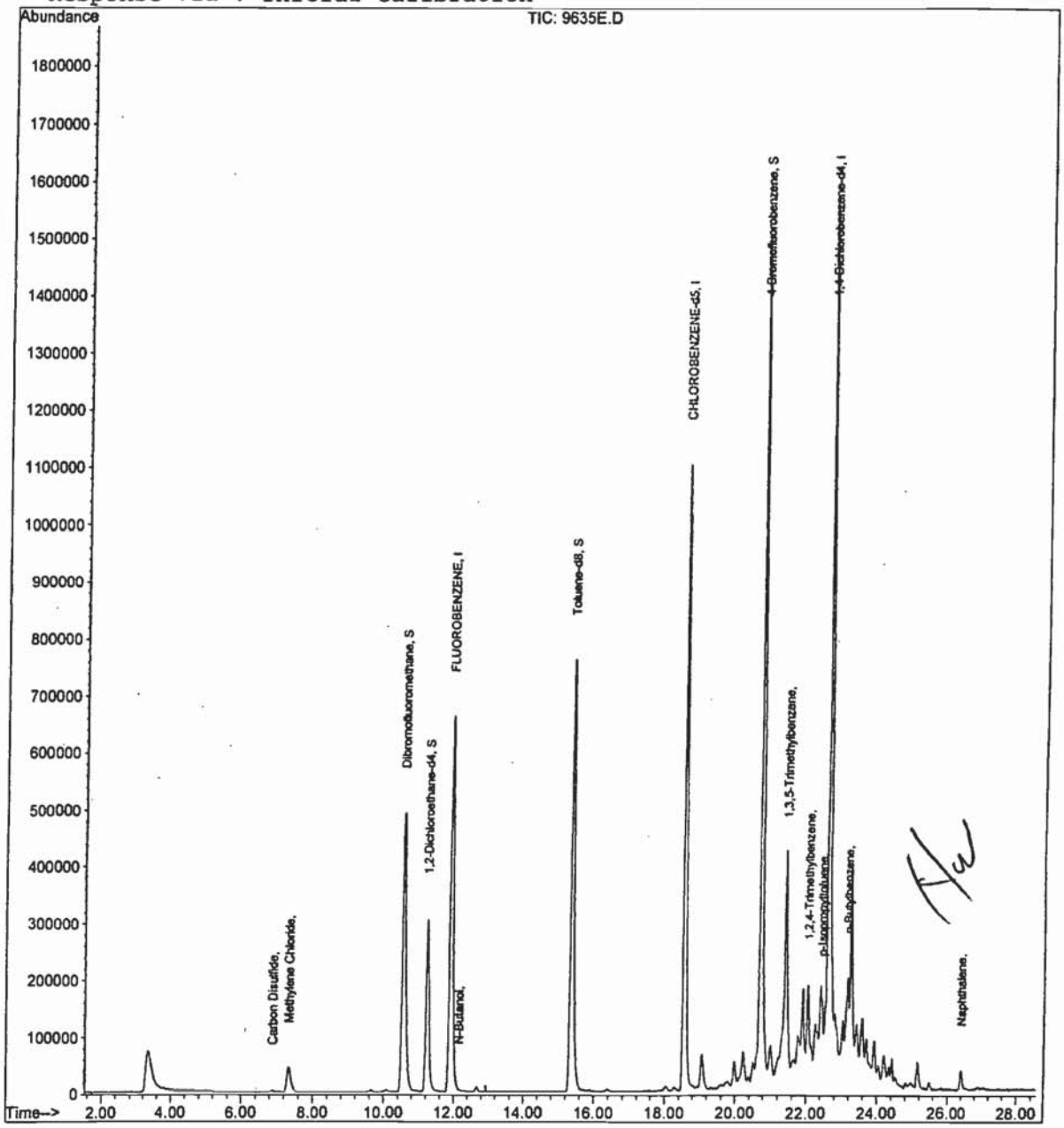
(#) = qualifier out of range (m) = manual integration

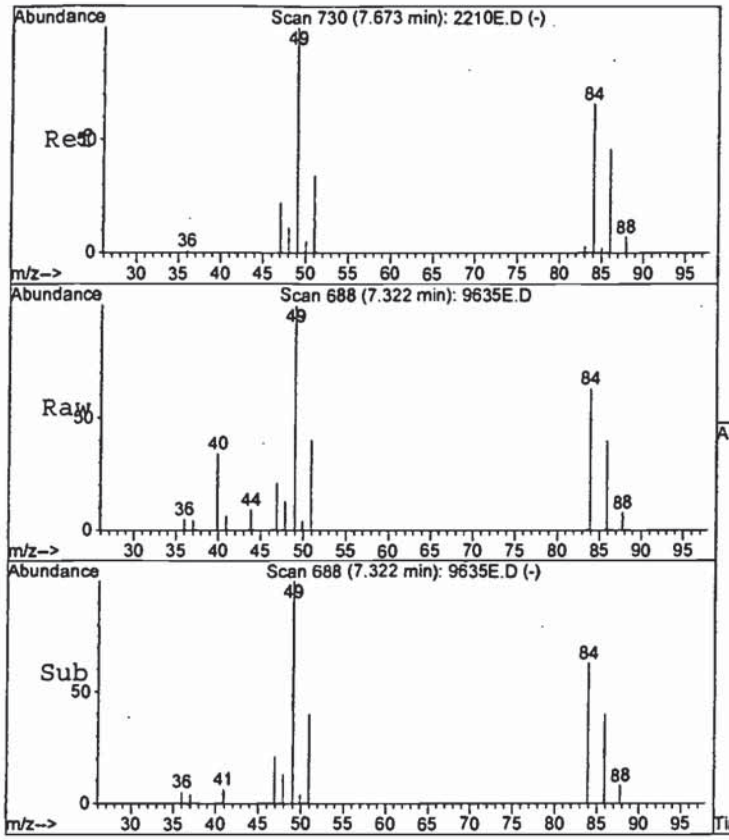
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9635E.D
Acq On : 17 Oct 06 10:54
Sample : A749076 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 11:23 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

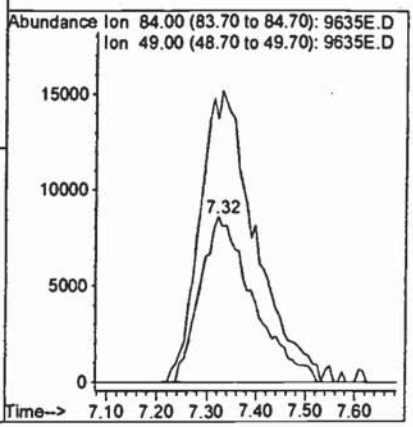


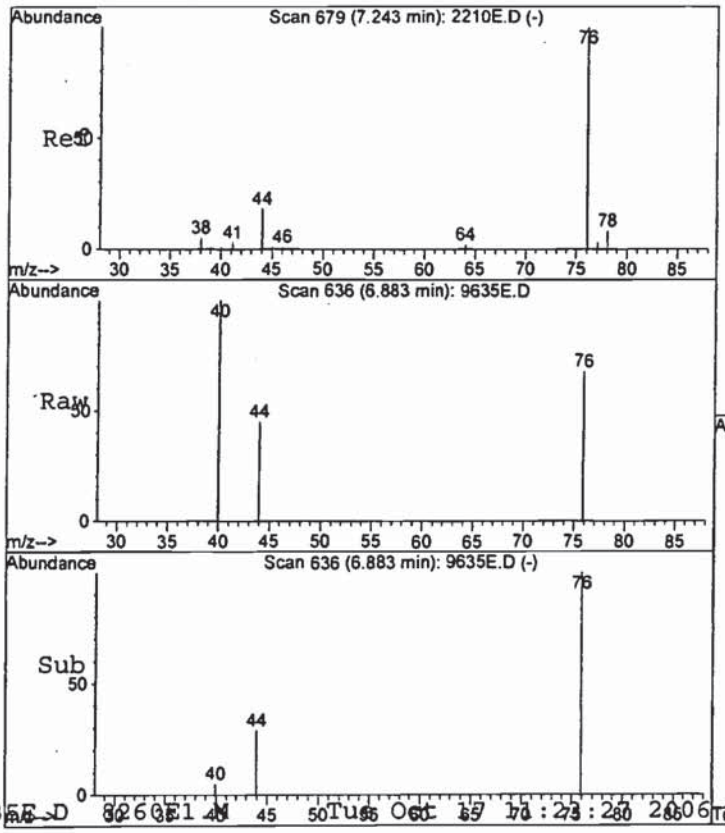


#13
Methylene Chloride
Concen: 3129.58 UG/L
RT: 7.32 min Scan# 688
Delta R.T. 0.09 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion: 84 Resp: 64011

Ion	Ratio	Lower	Upper
84	100		
49	183.8	123.1	184.7

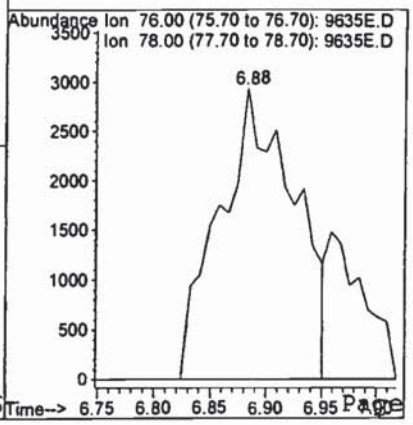


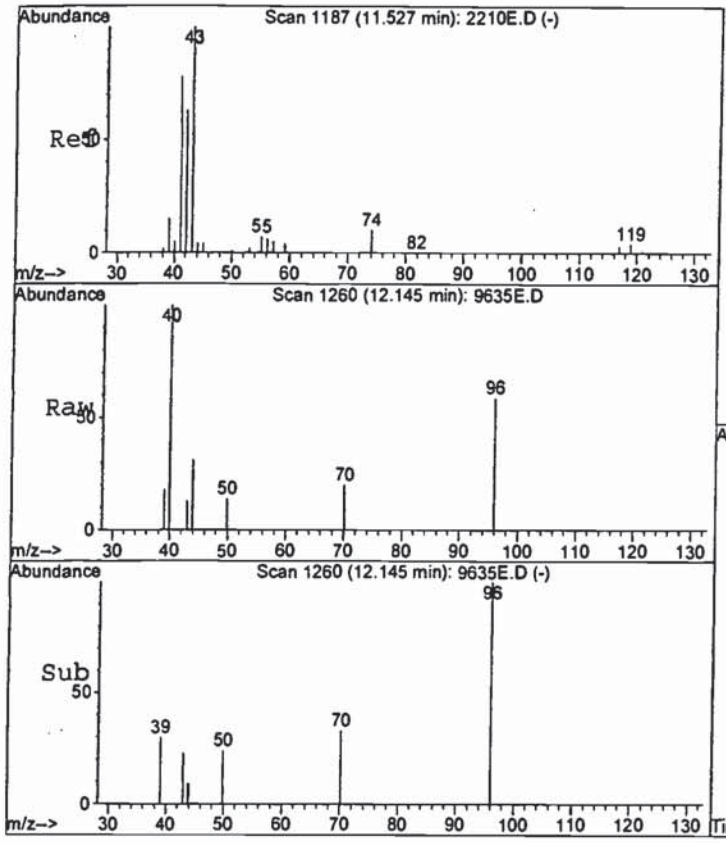


#15
Carbon Disulfide
Concen: 1364.30 UG/L
RT: 6.88 min Scan# 636
Delta R.T. 0.08 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion: 76 Resp: 13707

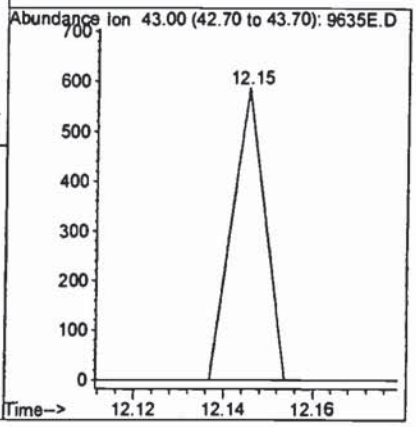
Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#

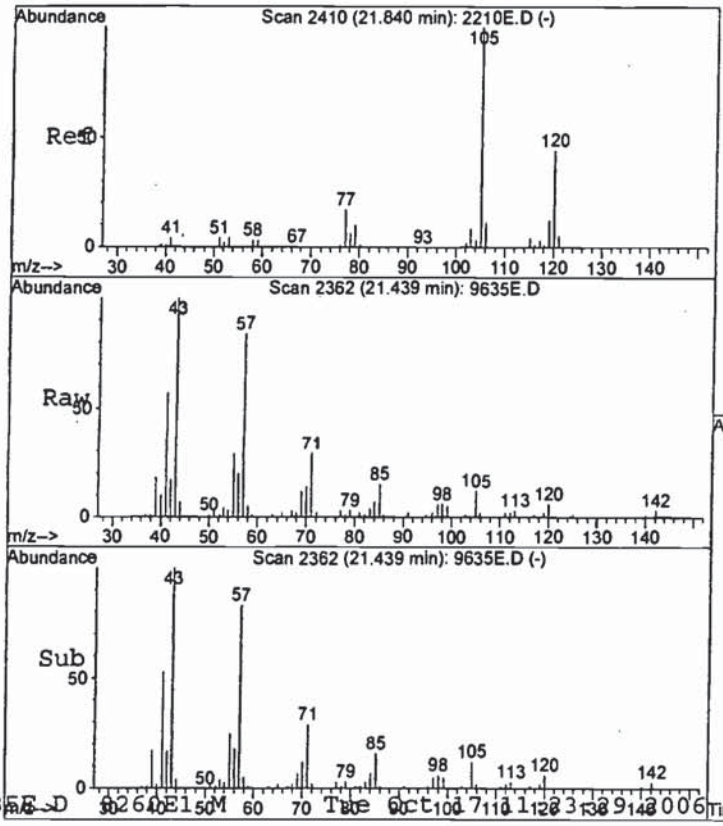




#36
N-Butanol
Concen: 1.25 UG/L
RT: 12.15 min Scan# 1260
Delta R.T. -0.22 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

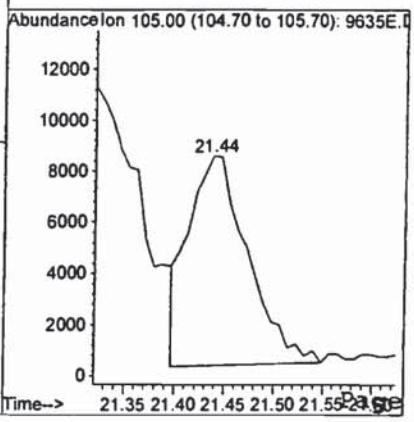
Tgt Ion: 43 Resp: 297

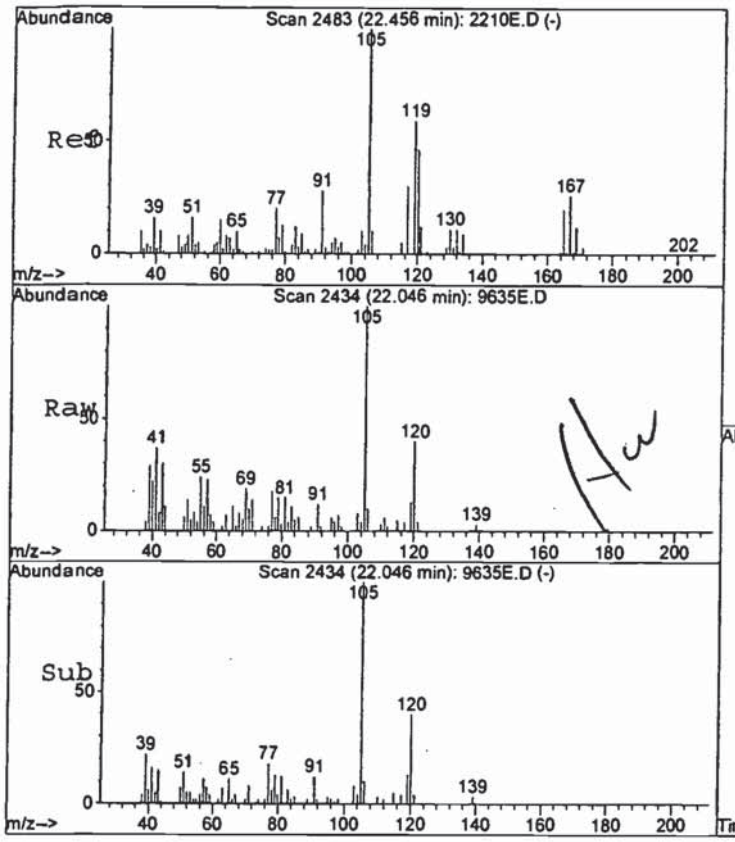




#69
1,3,5-Trimethylbenzene
Concen: 1.16 UG/L
RT: 21.44 min Scan# 2362
Delta R.T. 0.06 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

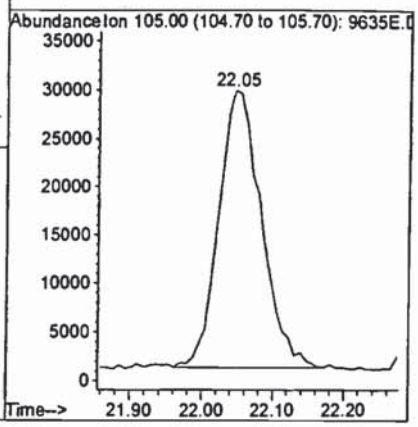
Tgt Ion:105 Resp: 34247

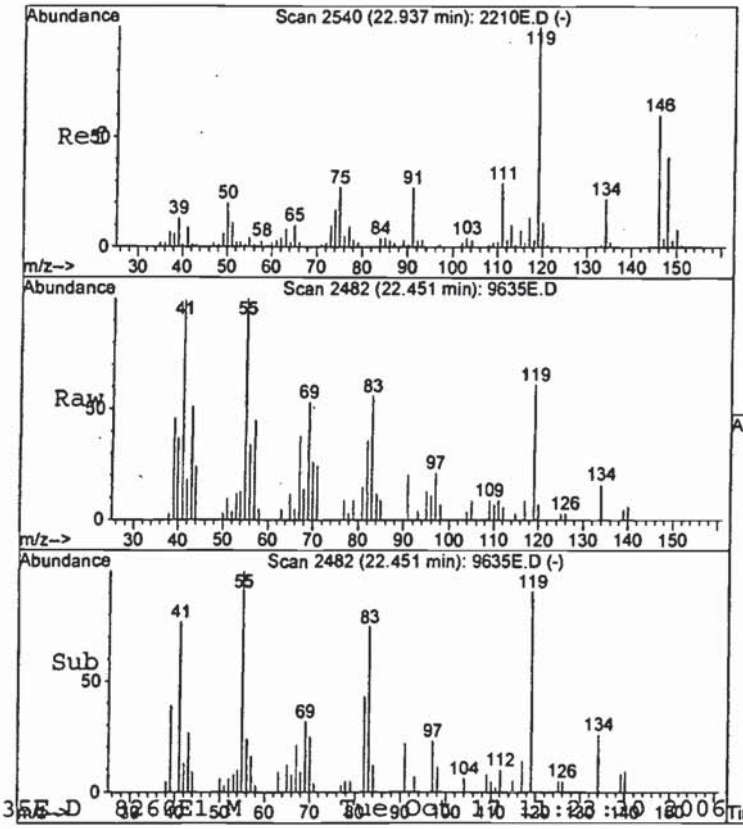




#73
1,2,4-Trimethylbenzene
Concen: 4.16 UG/L
RT: 22.05 min Scan# 2434
Delta R.T. 0.06 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

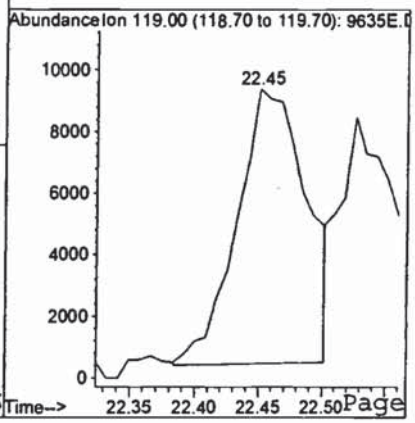
Tgt Ion:105 Resp: 118976

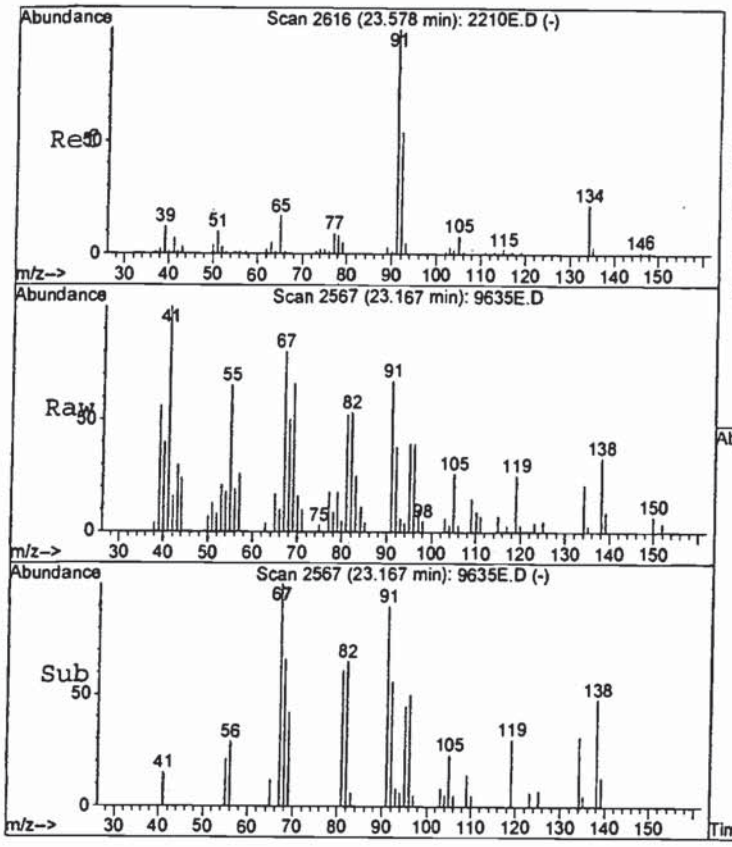




#75
p-Isopropyltoluene
Concen: 1.18 UG/L
RT: 22.45 min Scan# 2482
Delta R.T. -0.02 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion:119 Resp: 33828

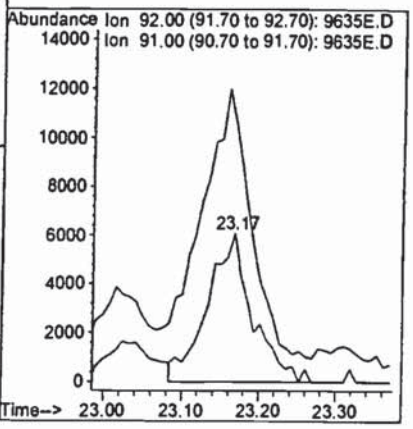


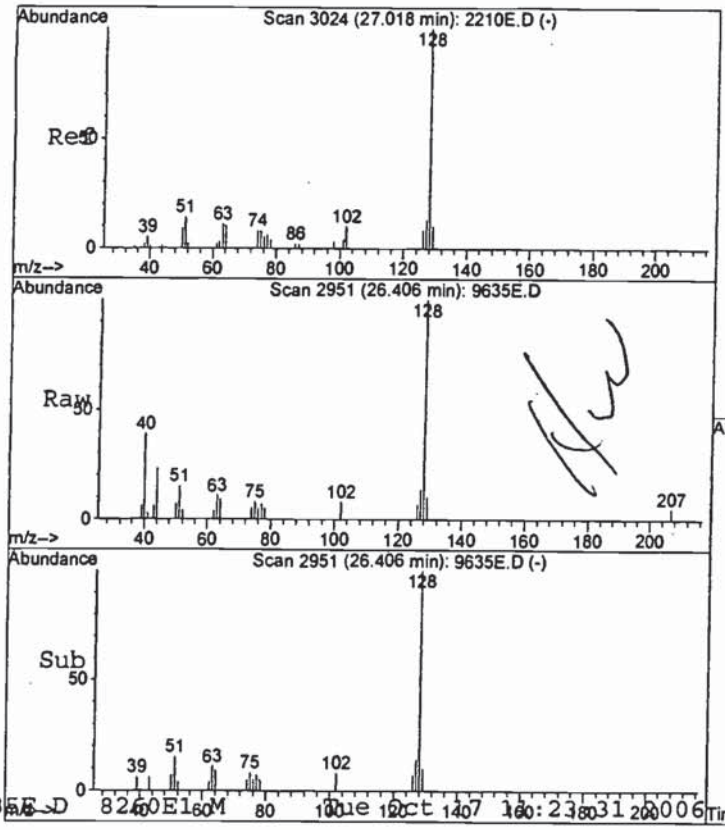


#78
n-Butylbenzene
Concen: 1.28 UG/L
RT: 23.17 min Scan# 2567
Delta R.T. 0.07 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion: 92 Resp: 24445

Ion	Ratio	Lower	Upper
92	100		
91	200.0	134.6	201.8

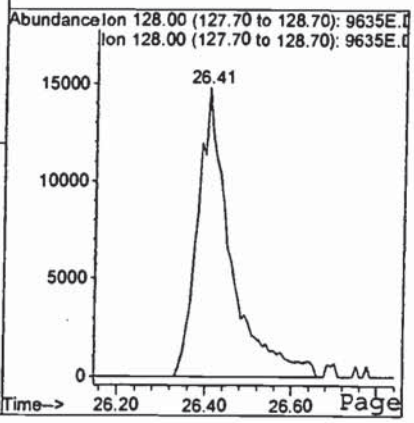




#82
Naphthalene
Concen: 3.96 UG/L
RT: 26.41 min Scan# 2951
Delta R.T. 0.08 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion:128 Resp: 78359

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (Not Reviewed)

Data File : E:\DATA\E101706\9635E.D
Acq On : 17 Oct 06 10:54
Sample : A749076 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:35 19106

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

Quant Results File: APPIXX.RES

Quant Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1536988	50.00 UG/L	0.05
9) CHLOROBENZENE-d5	18.55	117	1369710	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.61	152	872729	50.00 UG/L	0.03

System Monitoring Compounds

Target Compounds					Qvalue
3) Acetonitrile	7.05	40	1335	-157.78 UG/L #	100
6) Methacrylonitrile	10.09	67	1184	3205.48 UG/L #	100
12) trans-1,4-Dichloro-2-buten	20.54	53	1210	788.85 UG/L #	100

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

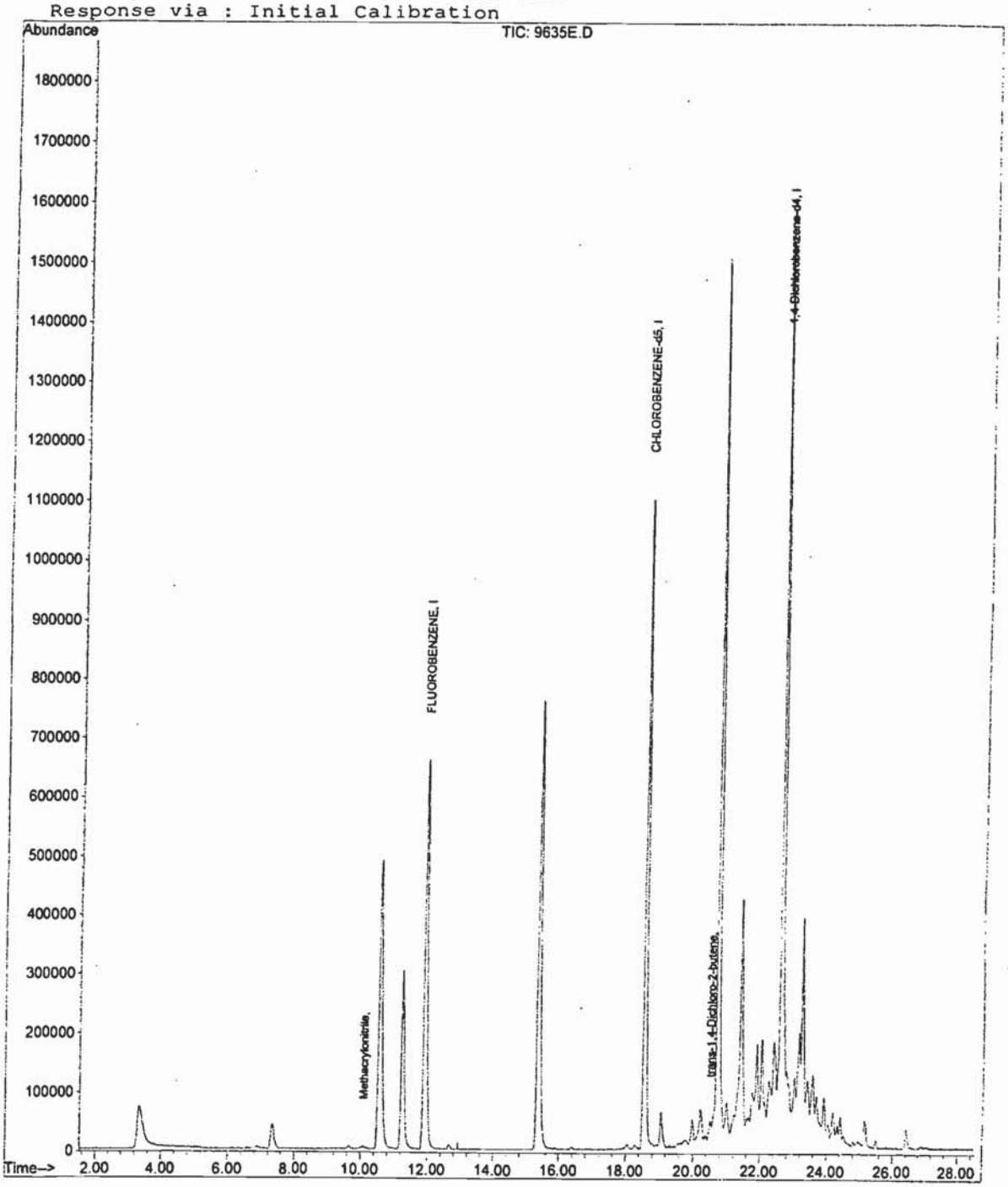
Quantitation Report

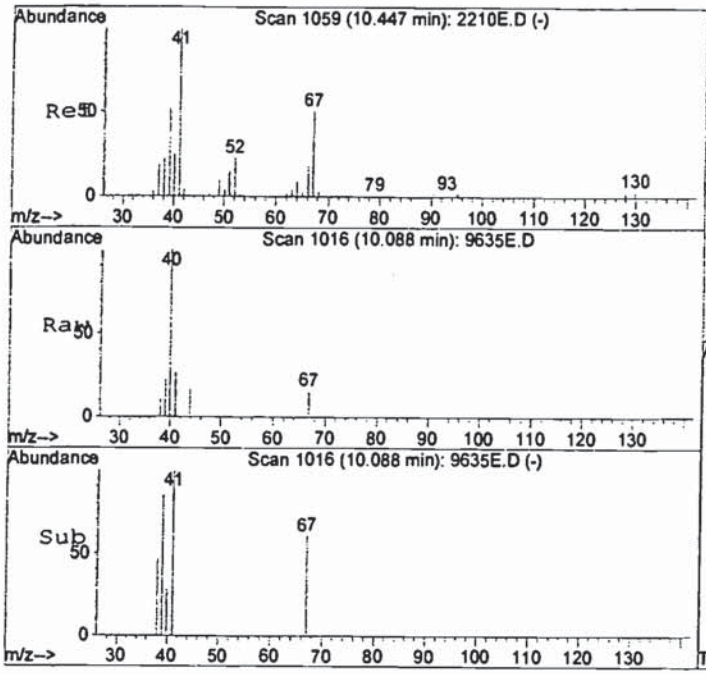
Data File : E:\DATA\E101706\9635E.D
Acq On : 17 Oct 06 10:54
Sample : A749076 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:35 19106

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

Quant Results File: APPIXX.RES

Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration

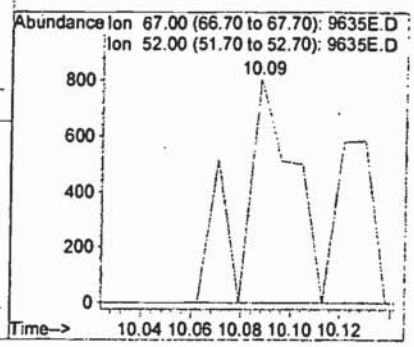


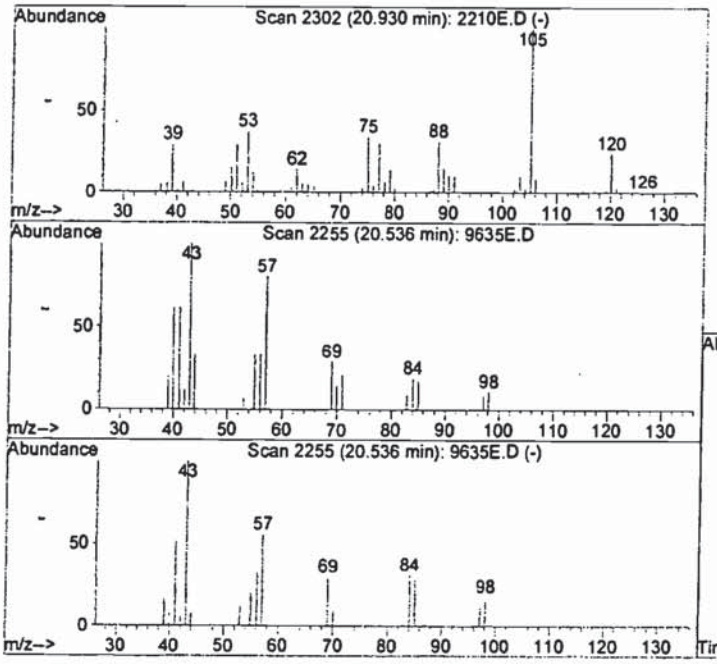


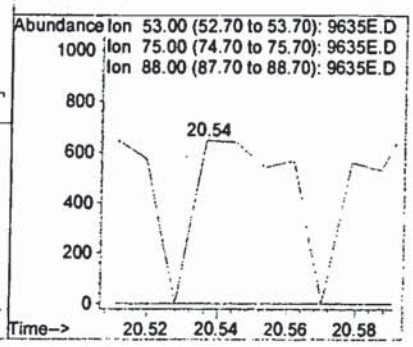
#6
Methacrylonitrile
Concen: 3205.48 UG/L
RT: 10.09 min Scan# 1016
Delta R.T. 0.03 min
Lab File: 9635E.D
Acq: 17 Oct 06 10:54

Tgt Ion: 67 Resp: 1184

Ion	Ratio	Lower	Upper
67	100		
52	0.0	0.0	0.0







R510458 Heritage Environmental Services, LLC A749077

GC/MS VOA

Method SW846-8260B
Sample Description A2-SW-2(11')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.0
Analyst 1365 H. WILLIAMS
File 9638E.D Date/Time 17Oct06 12:49:00
Dilution Factor 1

CAS	PRM	Parameter	Concentration	RQL Limit	Units	RT
67-64-1	99	ACETONE (2-PROPANONE)		BDL 0.020	MG/KG	
107-02-8	105	ACROLEIN		BDL 0.025	MG/KG	
107-13-1	106	ACRYLONITRILE		BDL 0.025	MG/KG	
71-43-2	151	BENZENE		BDL 0.0050	MG/KG	
108-86-1	193	BROMOBENZENE		BDL 0.0050	MG/KG	
74-97-5	194	BROMOCHLOROMETHANE		BDL 0.0050	MG/KG	
75-27-4	195	BROMODICHLOROMETHANE		BDL 0.0050	MG/KG	
75-25-2	197	BROMOFORM		BDL 0.0050	MG/KG	
74-83-9	198	BROMOMETHANE		BDL 0.010	MG/KG	
104-51-8	519	N-BUTYLBENZENE	0.036	0.0050	MG/KG	
135-98-8	644	SEC-BUTYLBENZENE	0.029	0.0050	MG/KG	
98-06-6	702	TERT-BUTYLBENZENE		BDL 0.0050	MG/KG	
75-15-0	216	CARBON DISULFIDE	0.014	0.0050	MG/KG	
56-23-5	217	CARBON TETRACHLORIDE		BDL 0.0050	MG/KG	
108-90-7	231	CHLOROBENZENE		BDL 0.0050	MG/KG	
124-48-1	295	DIBROMOCHLOROMETHANE		BDL 0.0050	MG/KG	
75-00-3	234	CHLOROETHANE		BDL 0.010	MG/KG	
67-66-3	235	CHLOROFORM		BDL 0.0050	MG/KG	
74-87-3	236	CHLOROMETHANE		BDL 0.0050	MG/KG	
95-49-8	807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)		BDL 0.0050	MG/KG	
106-43-4	808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)		BDL 0.0050	MG/KG	
110-75-8	54	2-CHLOROETHYLVINYLETHER		BDL 0.0050	MG/KG	
96-12-8	19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)		BDL 0.0050	MG/KG	
106-93-4	18	1,2-DIBROMOETHANE (EDB)		BDL 0.0050	MG/KG	
74-95-3	296	DIBROMOMETHANE		BDL 0.0050	MG/KG	
95-50-1	20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)		BDL 0.0050	MG/KG	
541-73-1	26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)		BDL 0.0050	MG/KG	
106-46-7	29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)		BDL 0.0050	MG/KG	
75-71-8	300	DICHLORODIFLUOROMETHANE		BDL 0.0050	MG/KG	
110-57-6	748	TRANS-1,4-DICHLORO-2-BUTENE		BDL 0.010	MG/KG	
75-34-3	7	1,1-DICHLOROETHANE		BDL 0.0050	MG/KG	
107-06-2	21	1,2-DICHLOROETHANE		BDL 0.0050	MG/KG	
75-35-4	8	1,1-DICHLOROETHENE	0.075	0.0050	MG/KG	
156-59-2	246	CIS-1,2-DICHLOROETHENE		EX 0.0050	MG/KG	
156-60-5	746	TRANS-1,2-DICHLOROETHENE	0.100	0.0050	MG/KG	
78-87-5	23	1,2-DICHLOROPROPANE		BDL 0.0050	MG/KG	
142-28-9	27	1,3-DICHLOROPROPANE		BDL 0.0050	MG/KG	
594-20-7	33	2,2-DICHLOROPROPANE		BDL 0.0050	MG/KG	
10061-01-5	247	CIS-1,3-DICHLOROPROPENE		BDL 0.0050	MG/KG	
563-58-6	10	1,1-DICHLOROPROPENE		BDL 0.0050	MG/KG	
10061-02-6	747	TRANS-1,3-DICHLOROPROPENE		BDL 0.0050	MG/KG	
100-41-4	349	ETHYL BENZENE	0.016	0.0050	MG/KG	
97-63-2	351	ETHYL METHACRYLATE		BDL 0.050	MG/KG	
591-78-6	60	2-HEXANONE		BDL 0.0050	MG/KG	
87-68-3	398	HEXACHLOROBUTADIENE		BDL 0.0050	MG/KG	

10/19/06

10/20/06

R510458 Heritage Environmental Services, LLC A749077

GC/MS VOA

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
74-88-4	422	IODOMETHANE		BDL	0.0050	MG/KG	
98-82-8	432	ISOPROPYLBENZENE (CUMENE)	0.019		0.0050	MG/KG	
99-87-6	628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0.066		0.0050	MG/KG	
75-09-2	302	DICHLOROMETHANE (METHYLENE CHLORIDE)		BDL	0.0050	MG/KG	
78-93-3	475	METHYL ETHYL KETONE		BDL	0.010	MG/KG	
1634-04-4	859	METHYL-T-BUTYL ETHER (MTBE)		BDL	0.0050	MG/KG	
108-10-1	476	METHYL ISOBUTYL KETONE		BDL	0.010	MG/KG	
91-20-3	493	NAPHTHALENE	0.022		0.0050	MG/KG	
103-65-1	532	N-PROPYLBENZENE	0.032		0.0050	MG/KG	
100-42-5	680	STYRENE		BDL	0.0050	MG/KG	
630-20-6	1	1,1,1,2-TETRACHLOROETHANE		BDL	0.0050	MG/KG	
79-34-5	3	1,1,2,2-TETRACHLOROETHANE		BDL	0.0050	MG/KG	
127-18-4	703	TETRACHLOROETHENE		BDL	0.0050	MG/KG	
108-88-3	724	TOLUENE	0.007		0.0050	MG/KG	
87-61-6	13	1,2,3-TRICHLOROBENZENE		BDL	0.0050	MG/KG	
120-82-1	16	1,2,4-TRICHLOROBENZENE		BDL	0.0050	MG/KG	
71-55-6	2	1,1,1-TRICHLOROETHANE		BDL	0.0050	MG/KG	
79-00-5	4	1,1,2-TRICHLOROETHANE		BDL	0.0050	MG/KG	
79-01-6	750	TRICHLOROETHENE		EX	0.0050	MG/KG	
75-69-4	372	TRICHLOROFLUOROMETHANE		BDL	0.0050	MG/KG	
96-18-4	14	1,2,3-TRICHLOROPROPANE		BDL	0.0050	MG/KG	
95-63-6	17	1,2,4-TRIMETHYLBENZENE	0.280		0.0050	MG/KG	
108-67-8	25	1,3,5-TRIMETHYLBENZENE	0.086		0.0050	MG/KG	
108-05-4	767	VINYL ACETATE		BDL	0.0050	MG/KG	
75-01-4	768	VINYL CHLORIDE	0.041		0.0050	MG/KG	
1330-20-7	803	XYLENES (O/M/P-XYLENE)	0.049		0.0050	MG/KG	
	1804	...					
	971	SURROGATE RECOVERY					
	972	----------					
17060-07-0	301	DICHLOROETHANE-D4	96			% RECOVERY	
2037-26-5	726	TOLUENE-D8	104			% RECOVERY	
460-00-4	196	4-BROMOFLUOROBENZENE	98			% RECOVERY	
1868-53-7	3362	DIBROMOFLUOROMETHANE	104			% RECOVERY	

Comment Dilution necessary due to high concentration of target compounds. Prep Method SW846-5030B Purge and Trap

Qualifiers

BDL Below Detection Limit

EX Exceeds calibration range. See Replicate

Comments to Laboratory (do not record)

9OZ ROUND

**********REPORT ALL RESULTS IN MG/KG.**********

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 13:18 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

0216 pm 1:100

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1322505	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.54	117	1007306	50.00 UG/L	0.07
63) 1,4-Dichlorobenzene-d4	22.61	152	442260	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.23	65	514060	47.91 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 95.82%#		
44) Toluene-d8	15.36	98	1220638	51.90 UG/L	0.09
Spiked Amount 50.000	Range 44 - 55		Recovery = 103.80%#		
47) Dibromofluoromethane	10.55	113	880021	52.09 UG/L	0.08
Spiked Amount 50.000			Recovery = 104.18%		
50) 4-Bromofluorobenzene	20.71	95	948363	49.09 UG/L	0.05
Spiked Amount 50.000	Range 43 - 58		Recovery = 98.18%#		

Target Compounds					Qvalue
4) VINYL CHLORIDE	4.24	62	206908	20.26 UG/L	99
~~11) Acetone~~	6.57	43	14124	4.07 UG/L #	73
12) 1,1-DICHLOROETHENE	6.48	96	319464	37.43 UG/L	100
~~13) Methylene Chloride~~	7.34	84	75940	1.30 UG/L	78
15) Carbon Disulfide	6.90	76	261374	7.02 UG/L	96
17) trans-1,2-Dichloroethene	7.83	96	493018	51.81 UG/L #	69
~~22) Ethyl Acetate~~ Bad Hit	9.67	88	355	~~2.54 UG~~/L #	100
23) cis-1,2-Dichloroethene	9.58	96	21935829	2114.26 UG/L #	22
~~34) Isobutanol~~ Bad Hit	11.04	43	925	~~2.25 UG~~/L	100
~~36) N-Butanol~~	12.45	43	1166	~~5.71 UG~~/L	100
37) Trichloroethene	12.62	130	4405537	399.71 UG/L	82
45) TOLUENE	15.51	91	87484	3.36 UG/L	100
~~48) 1,1,2-Trichloroethane~~	16.36	97	15069	1.50 UG/L	100
~~52) 2-Hexanone~~	16.86	43	37801	2.75 UG/L #	38
58) ETHYL BENZENE	18.80	106	69956	8.11 UG/L	96
59) m,p-Xylene	19.04	106	70315	7.11 UG/L #	69
60) o-Xylene	19.77	106	174446	17.40 UG/L	81
64) Isopropylbenzene	20.42	105	194494	9.47 UG/L	100
~~65) 1,1,2,2-Tetrachloroethane~~	20.82	83	21560	1.43 UG/L #	100
68) n-Propylbenzene	21.14	92	51970	16.13 UG/L	81
69) 1,3,5-Trimethylbenzene	21.44	105	641260	42.79 UG/L	100
73) 1,2,4-Trimethylbenzene	22.04	105	2030998	140.24 UG/L	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 13:18 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
74) sec-Butylbenzene	22.31	105	351485	14.56 UG/L	100
75) p-Isopropyltoluene	22.46	119	477498	32.88 UG/L	100
78) n-Butylbenzene	23.16	92	173994	17.93 UG/L #	33
82) Naphthalene	26.40	128	109839	10.96 UG/L	100

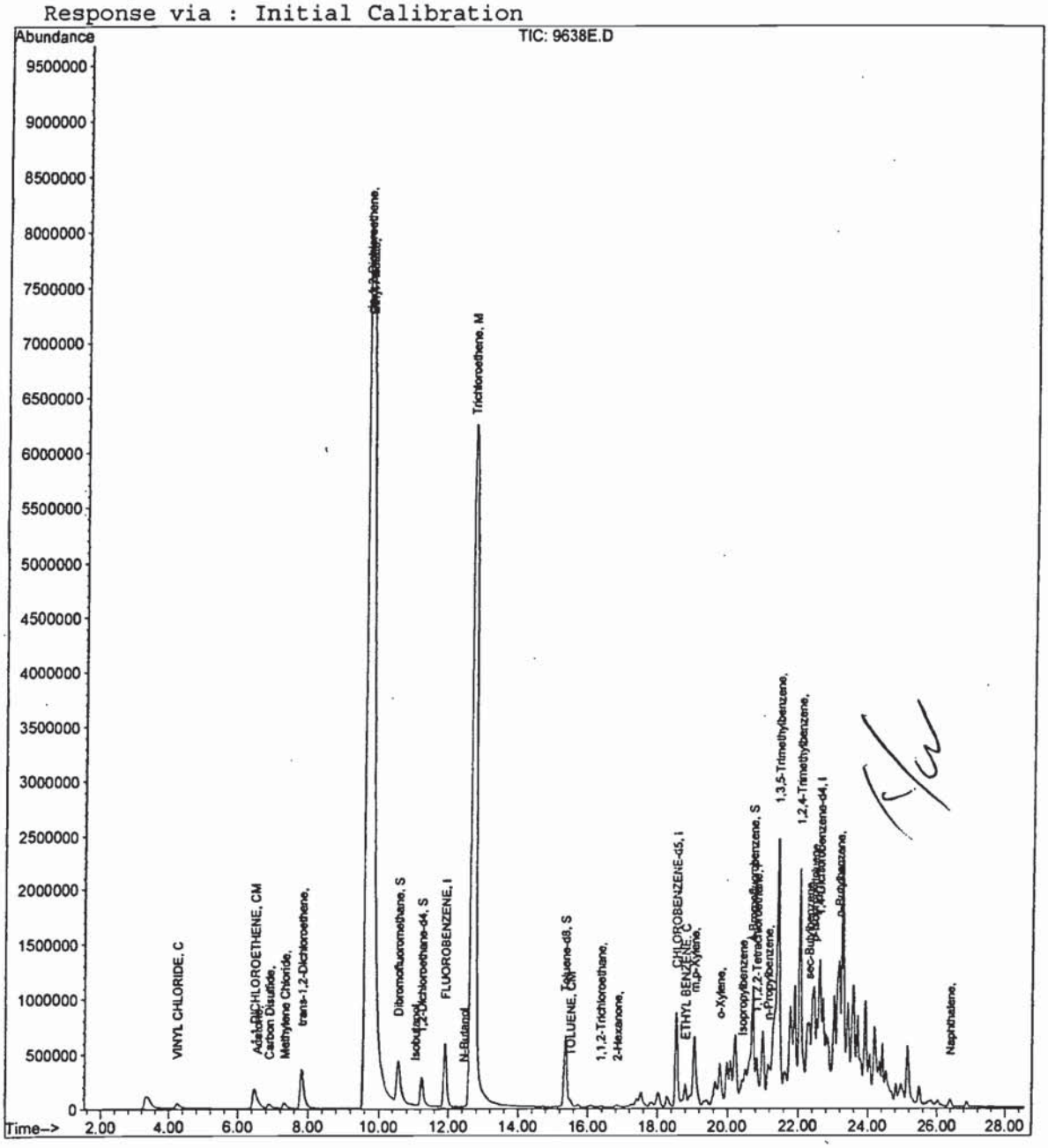
(#) = qualifier out of range (m) = manual integration

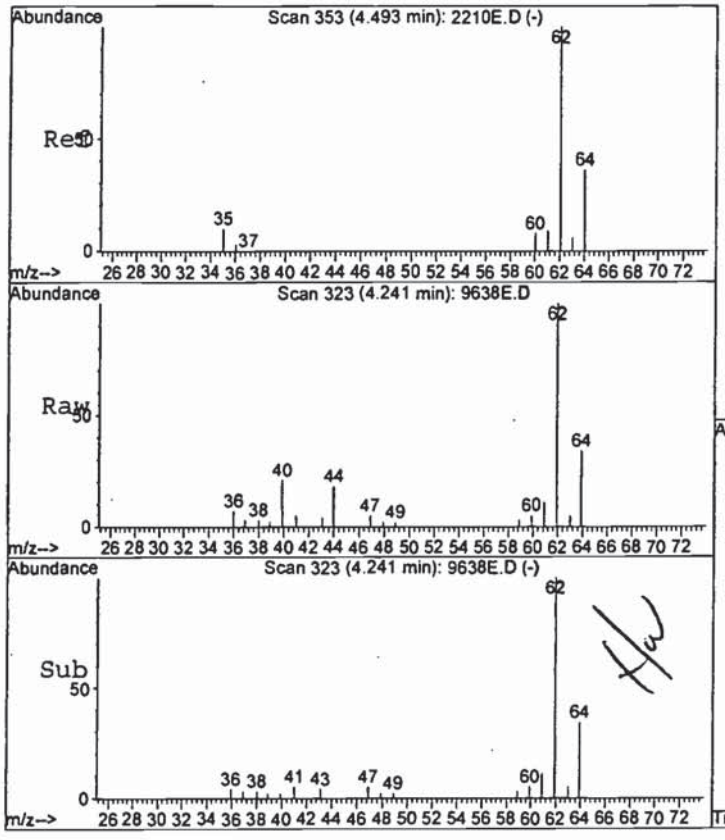
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 13:18 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

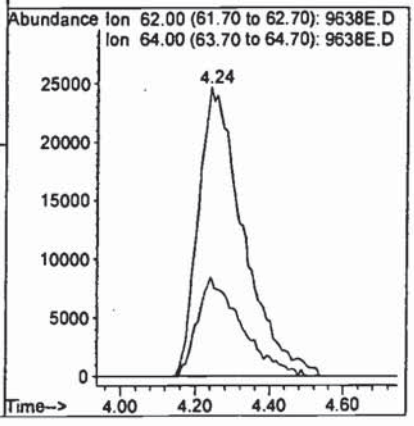


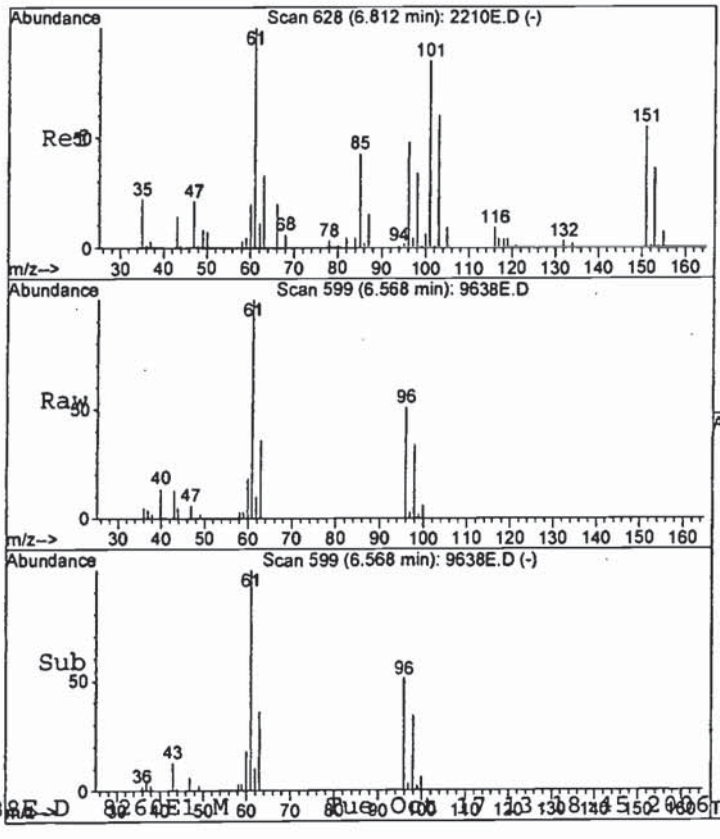


#4
VINYL CHLORIDE
Concen: 20.26 UG/L
RT: 4.24 min Scan# 323
Delta R.T. 0.07 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 62 Resp: 206908

Ion	Ratio	Lower	Upper
62	100		
64	33.5	26.5	39.7

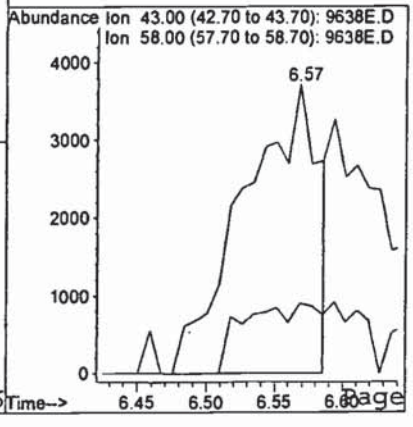


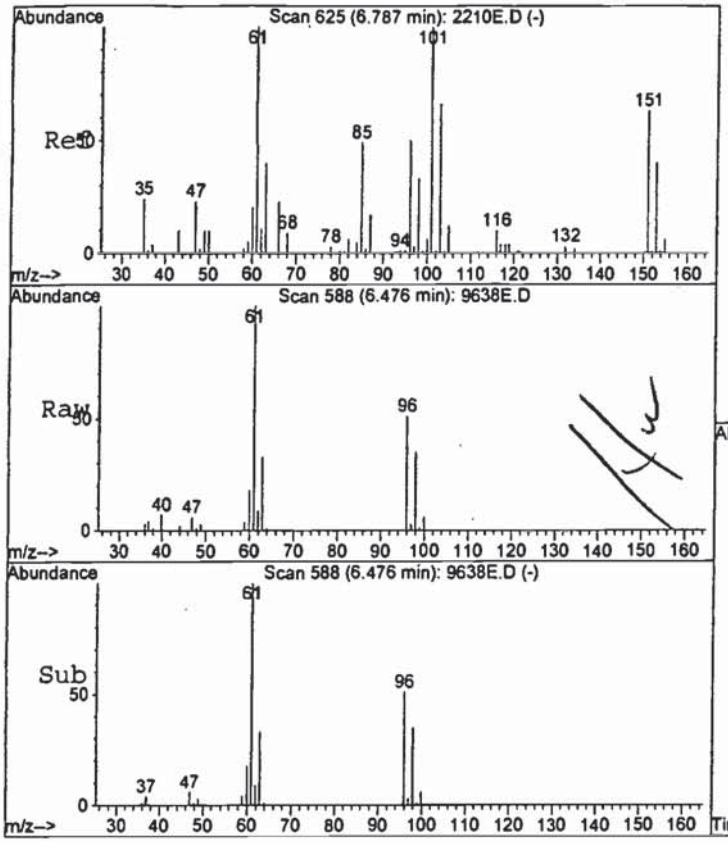


#11
Acetone
Concen: 4.07 UG/L
RT: 6.57 min Scan# 599
Delta R.T. 0.09 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 43 Resp: 14124

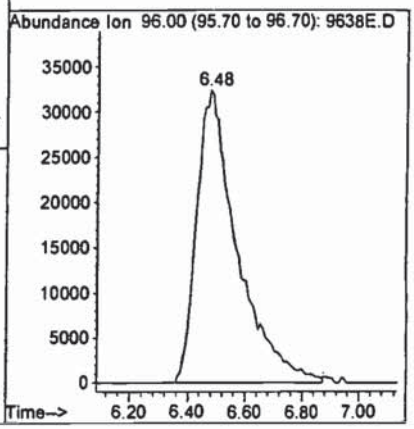
Ion	Ratio	Lower	Upper
43	100		
58	15.8	24.4	36.6#

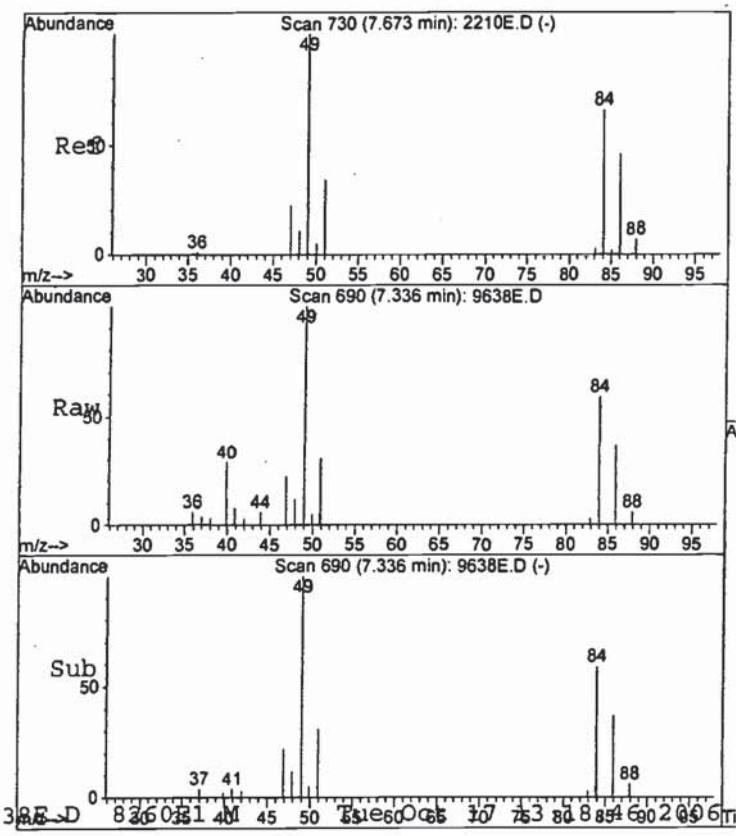




#12
1,1-DICHLOROETHENE
Concen: 37.43 UG/L
RT: 6.48 min Scan# 588
Delta R.T. 0.09 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 96 Resp: 319464

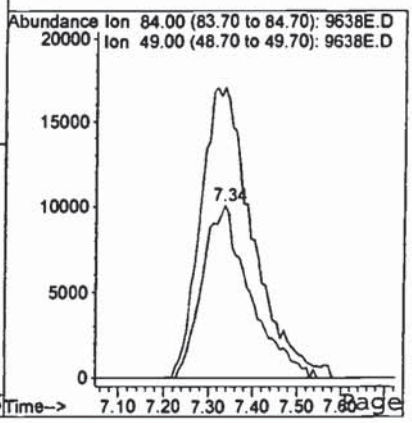


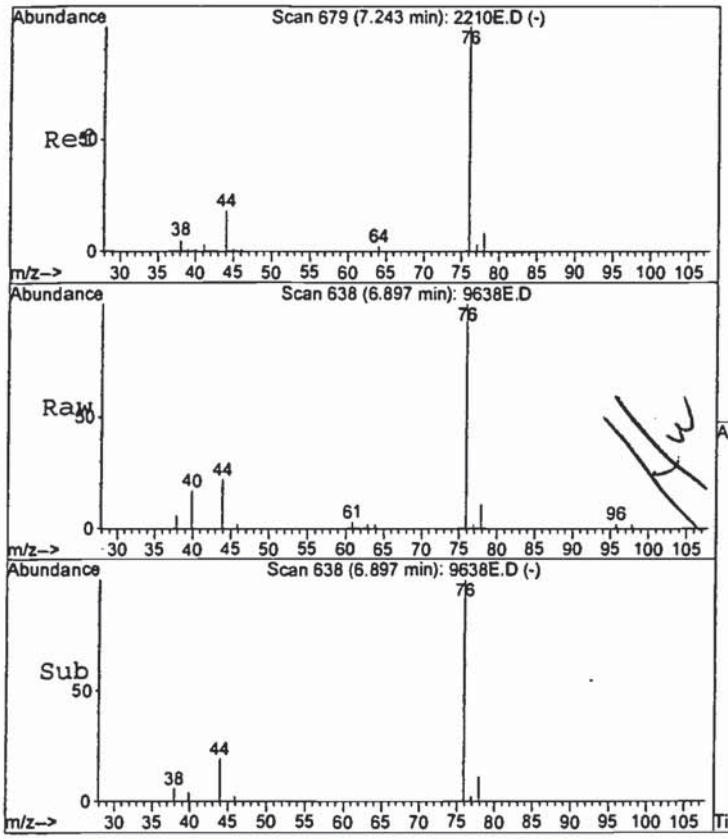


#13
Methylene Chloride
Concen: 1.30 UG/L
RT: 7.34 min Scan# 690
Delta R.T. 0.10 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 84 Resp: 75940

Ion	Ratio	Lower	Upper
84	100		
49	182.1	123.1	184.7

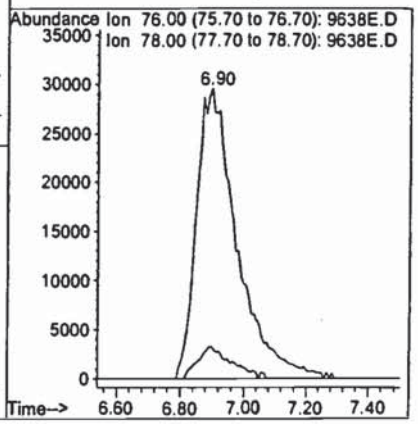


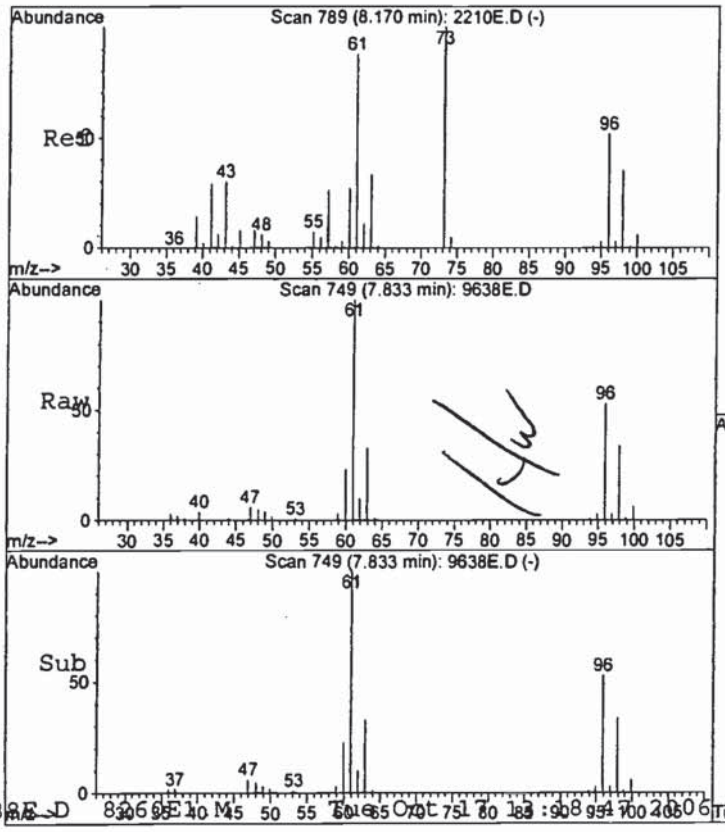


#15
Carbon Disulfide
Concen: 7.02 UG/L
RT: 6.90 min Scan# 638
Delta R.T. 0.09 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 76 Resp: 261374

Ion	Ratio	Lower	Upper
76	100		
78	8.9	8.2	12.2

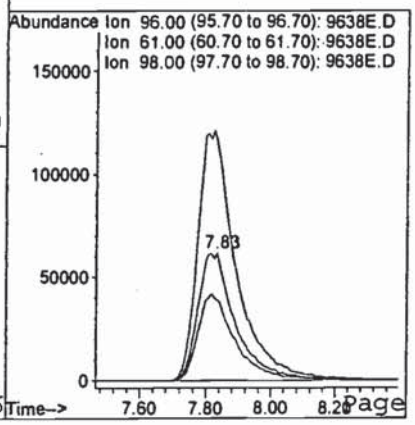


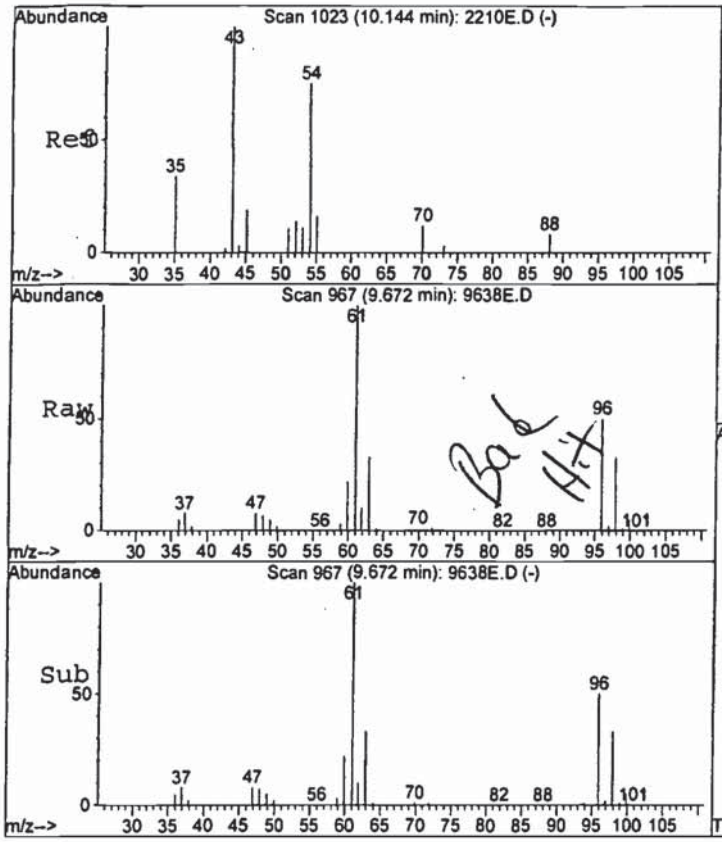


#17
trans-1,2-Dichloroethene
Concen: 51.81 UG/L
RT: 7.83 min Scan# 749
Delta R.T. 0.10 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 96 Resp: 493018

Ion	Ratio	Lower	Upper
96	100		
61	198.0	114.7	172.1#
98	65.4	51.6	77.4

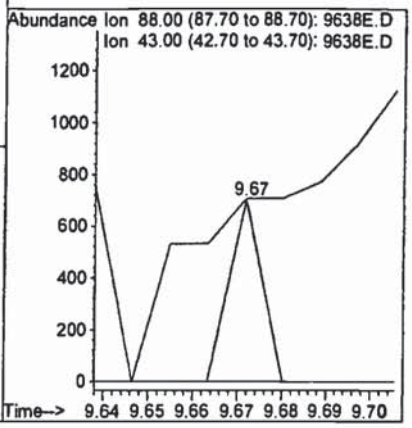


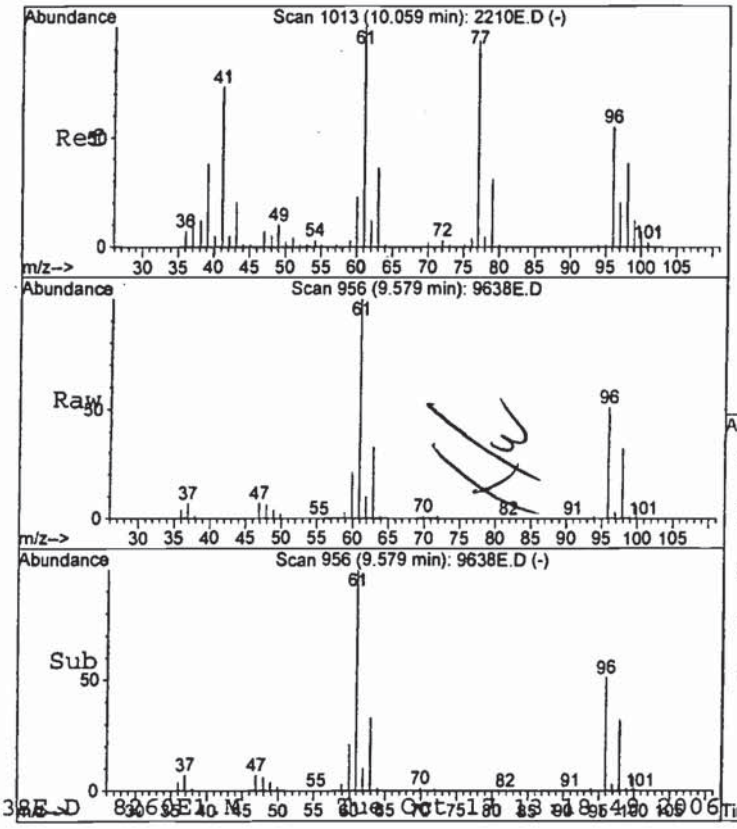


#22
Ethyl Acetate
Concen: 2.54 UG/L
RT: 9.67 min Scan# 967
Delta R.T. 0.01 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 88 Resp: 355

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0

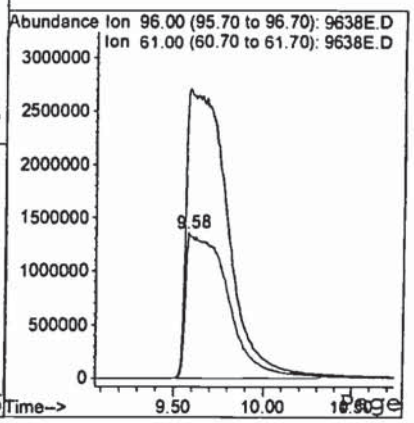


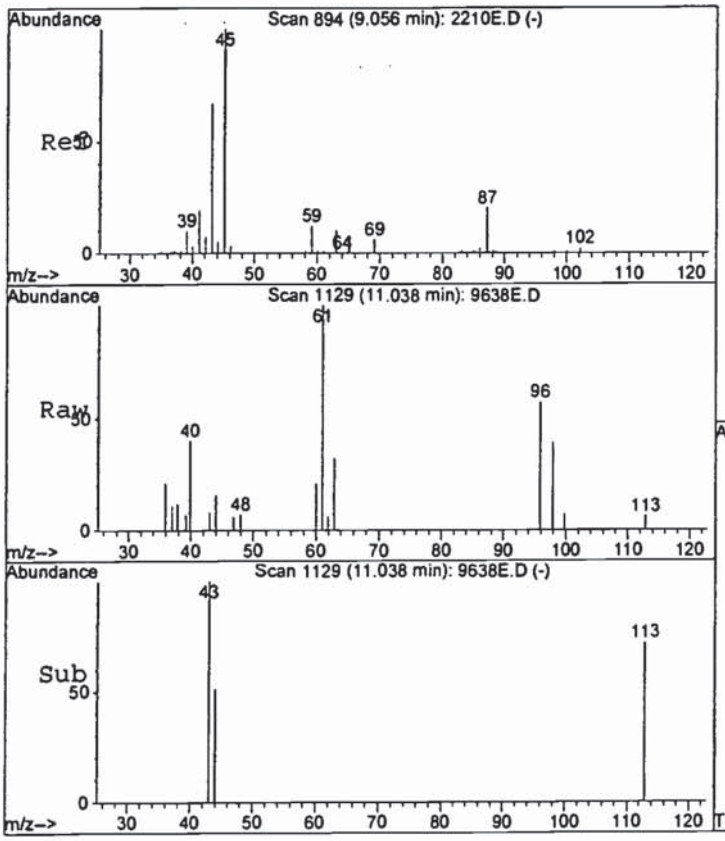


#23
cis-1,2-Dichloroethene
Concen: 2114.26 UG/L
RT: 9.58 min Scan# 956
Delta R.T. 0.02 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 96 Resp:21935829

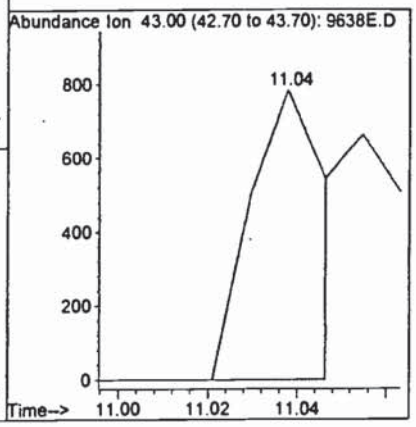
Ion	Ratio	Lower	Upper
96	100		
61	47.4	115.0	172.6#

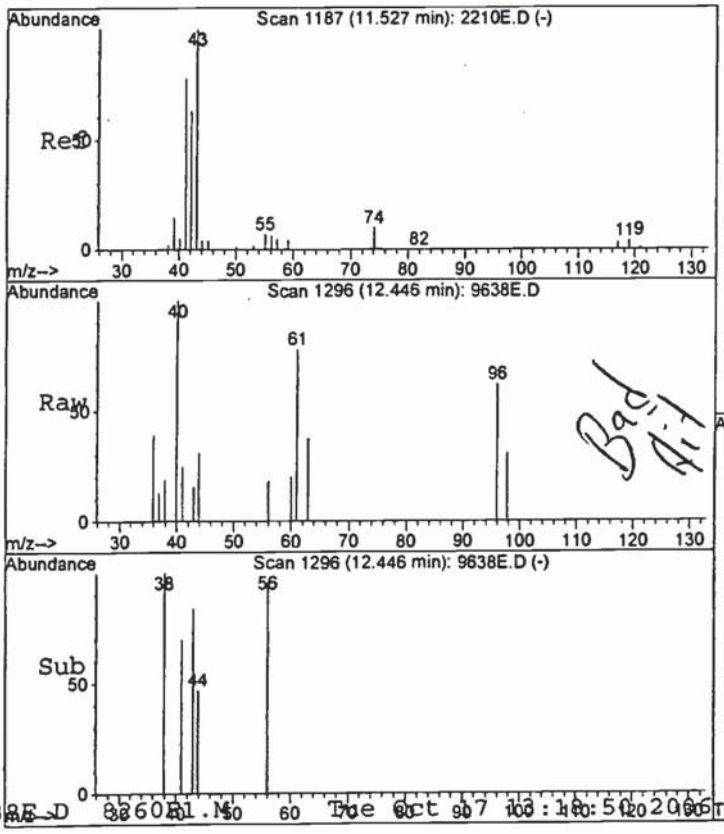




#34
Isobutanol
Concen: 2.25 UG/L
RT: 11.04 min Scan# 1129
Delta R.T. 0.02 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 43 Resp: 925

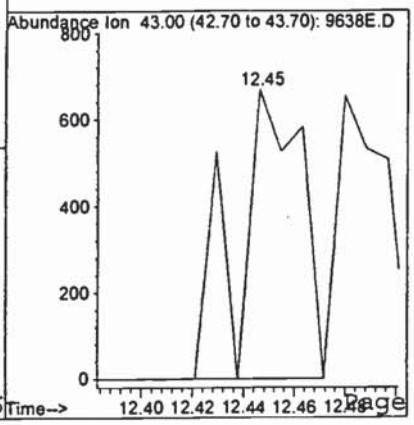


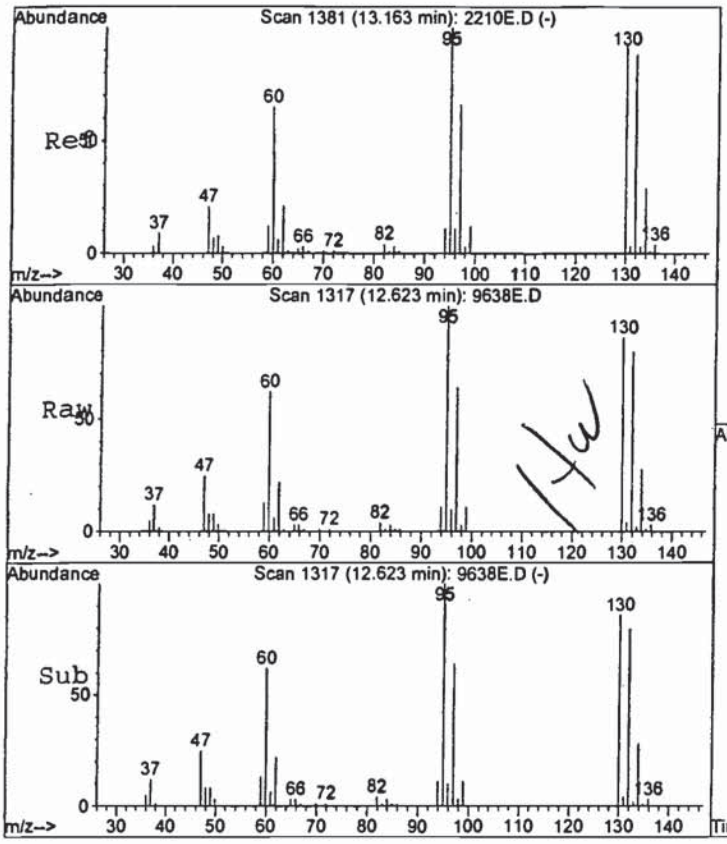


#36
N-Butanol
Concen: 5.71 UG/L
RT: 12.45 min Scan# 1296
Delta R.T. 0.08 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 43 Resp: 1166

Bad Air

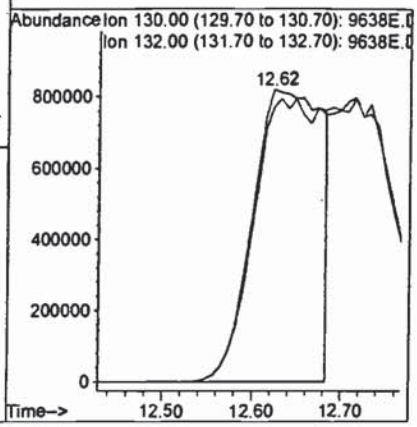


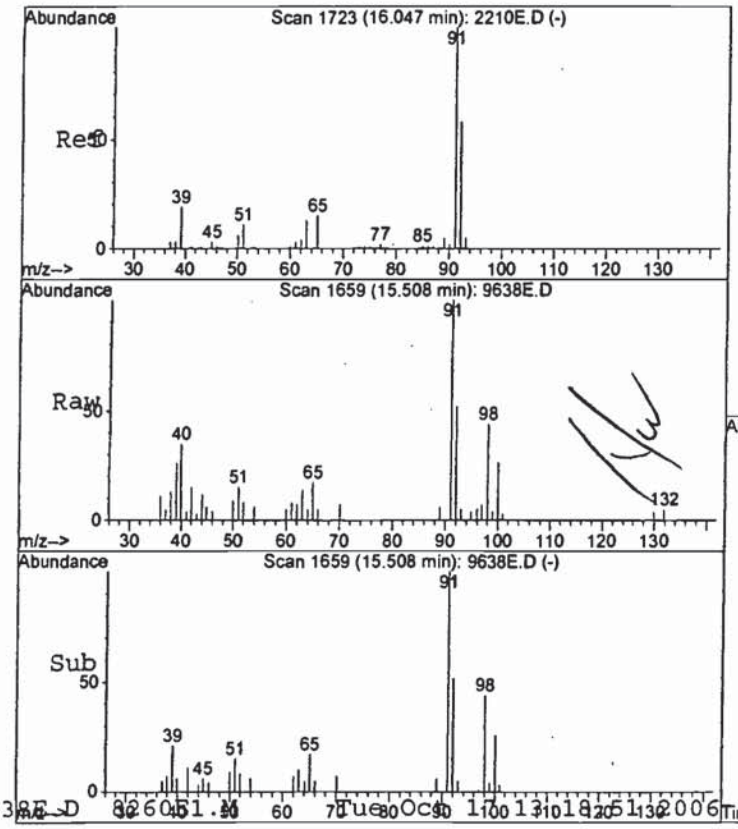


#37
Trichloroethene
Concen: 399.71 UG/L
RT: 12.62 min Scan# 1317
Delta R.T. 0.05 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:130 Resp: 4405537

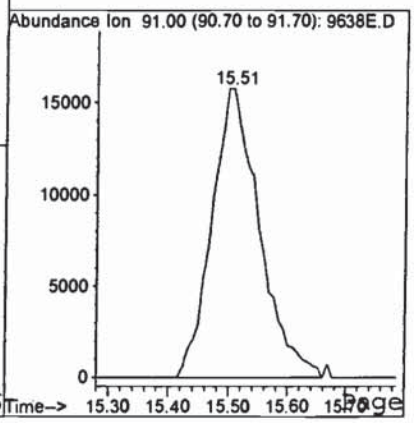
Ion	Ratio	Lower	Upper
130	100		
132	78.6	77.4	116.2

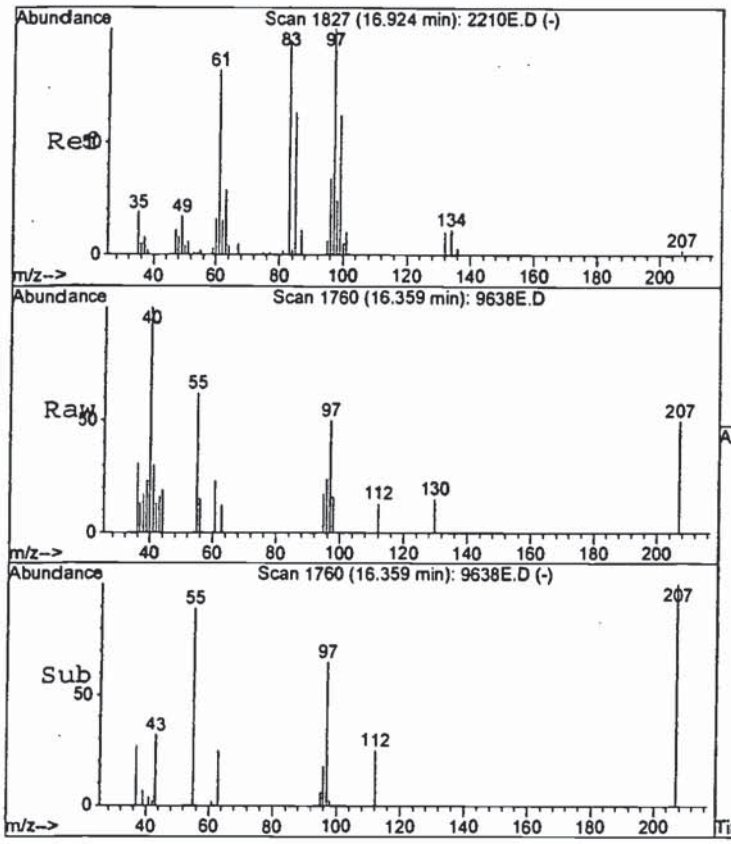




#45
TOLUENE
Concen: 3.36 UG/L
RT: 15.51 min Scan# 1659
Delta R.T. 0.08 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

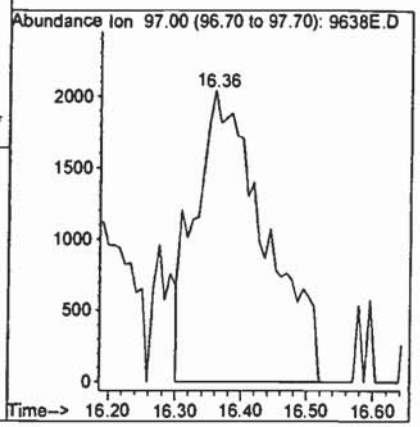
Tgt Ion: 91 Resp: 87484

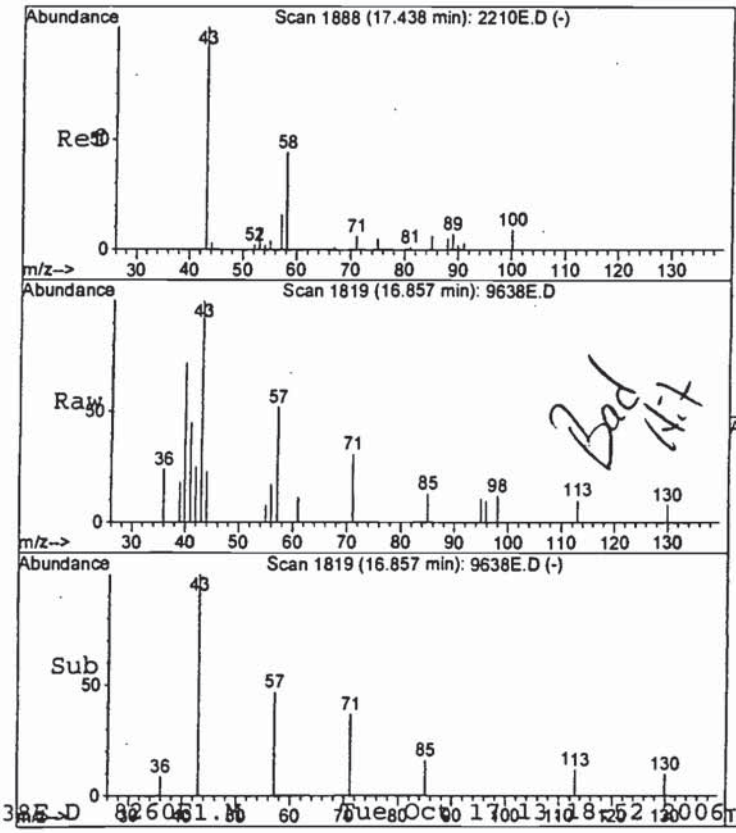




#48
1,1,2-Trichloroethane
Concen: 1.50 UG/L
RT: 16.36 min Scan# 1760
Delta R.T. 0.00 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 97 Resp: 15069

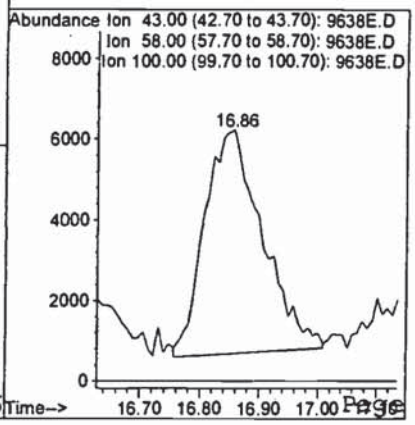


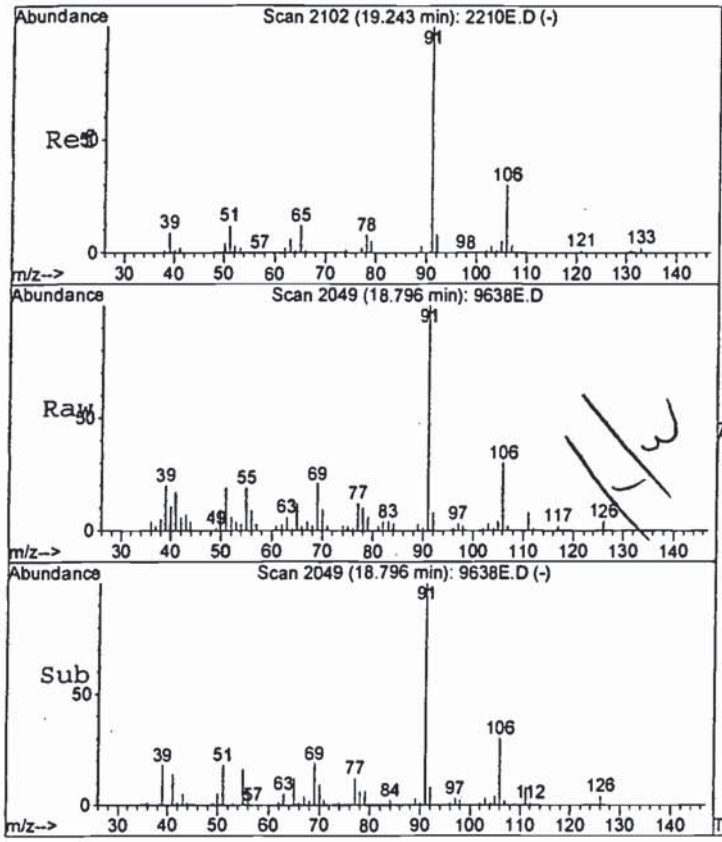


#52
2-Hexanone
Concen: 2.75 UG/L
RT: 16.86 min Scan# 1819
Delta R.T. -0.07 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 43 Resp: 37801

Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.3	55.9#
100	0.0	10.5	15.7#

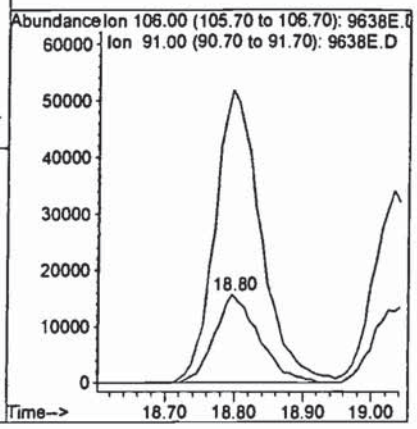


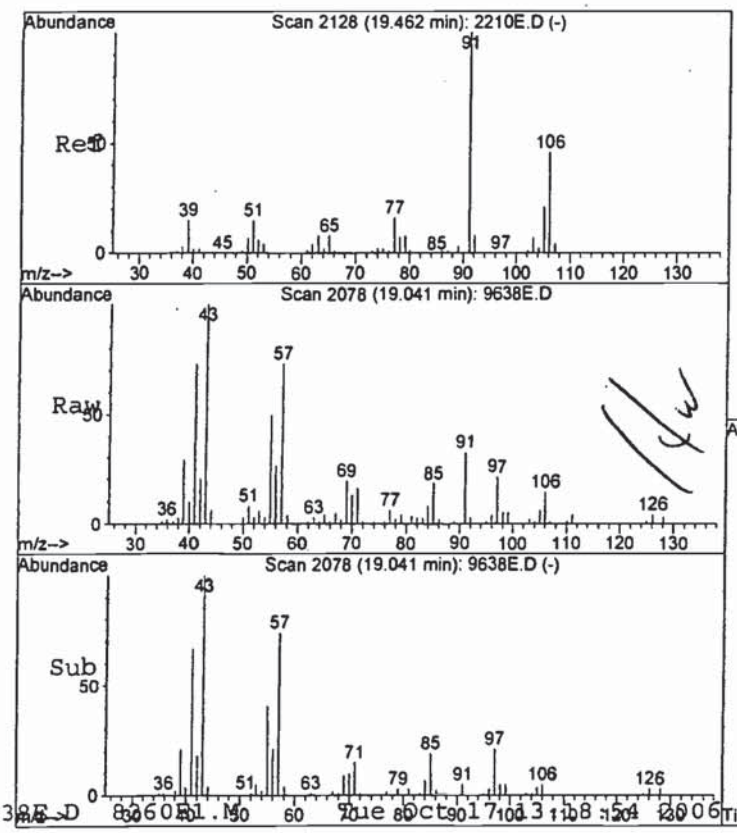


#58
ETHYL BENZENE
Concen: 8.11 UG/L
RT: 18.80 min Scan# 2049
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:106 Resp: 69956

Ion	Ratio	Lower	Upper
106	100		
91	344.3	269.1	403.7

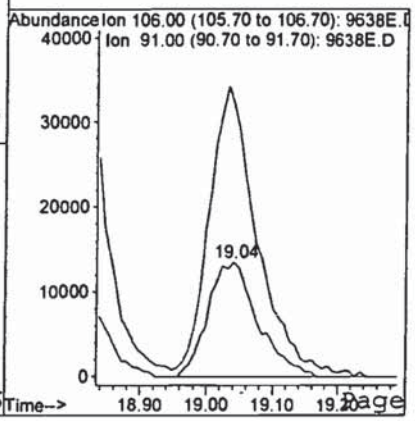


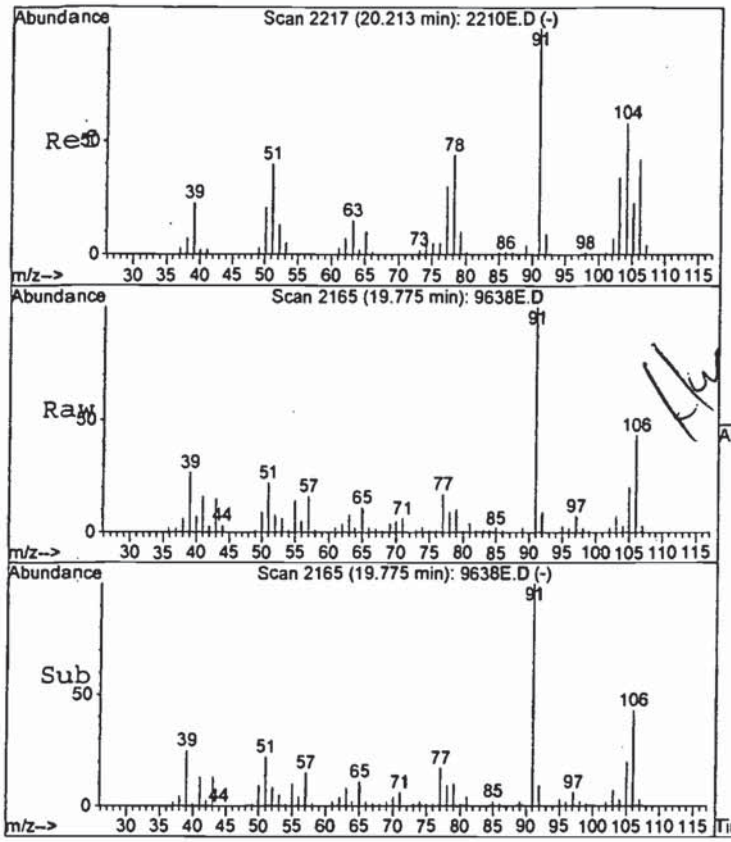


#59
m,p-Xylene
Concen: 7.11 UG/L
RT: 19.04 min Scan# 2078
Delta R.T. 0.07 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:106 Resp: 70315

Ion	Ratio	Lower	Upper
106	100		
91	246.3	159.5	239.3#

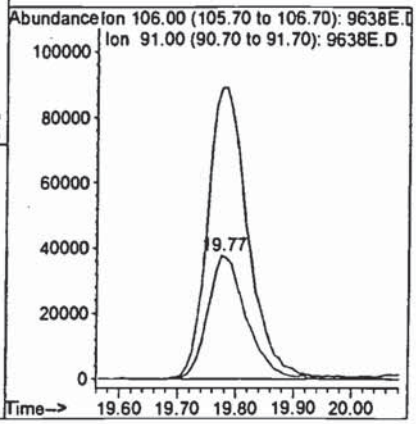


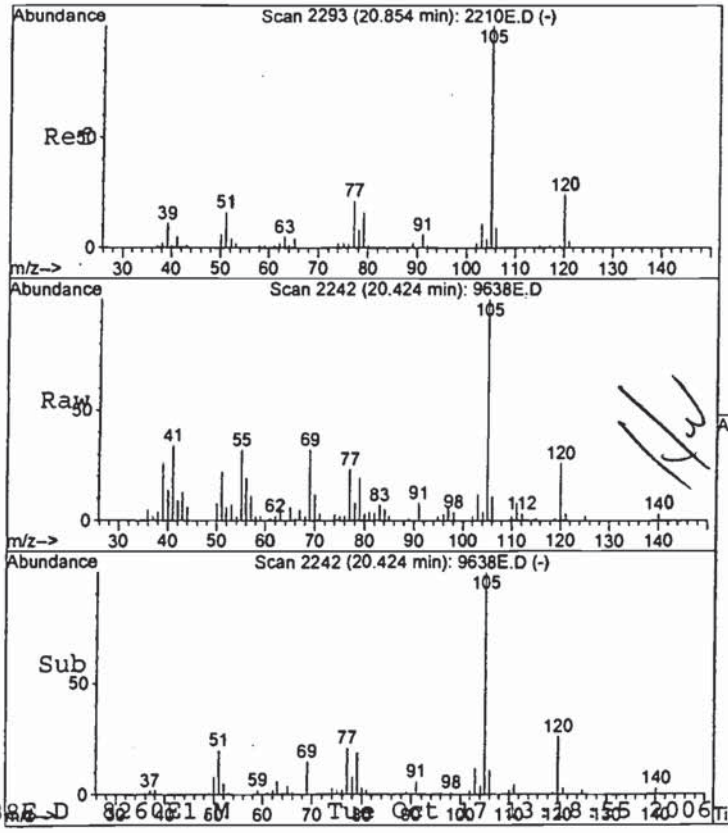


#60
o-Xylene
Concen: 17.40 UG/L
RT: 19.77 min Scan# 2165
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:106 Resp: 174446

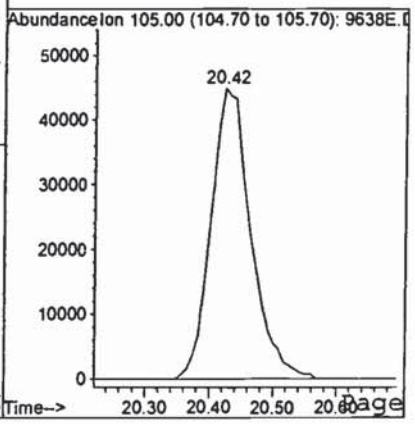
Ion	Ratio	Lower	Upper
106	100		
91	247.1	173.6	260.4

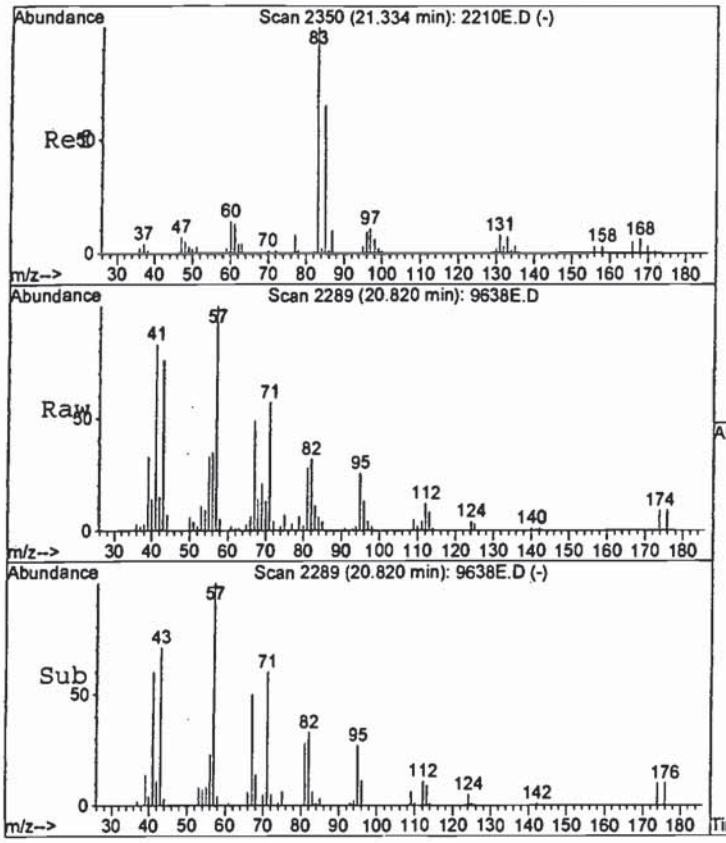




#64
Isopropylbenzene
Concen: 9.47 UG/L
RT: 20.42 min Scan# 2242
Delta R.T. 0.04 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:105 Resp: 194494

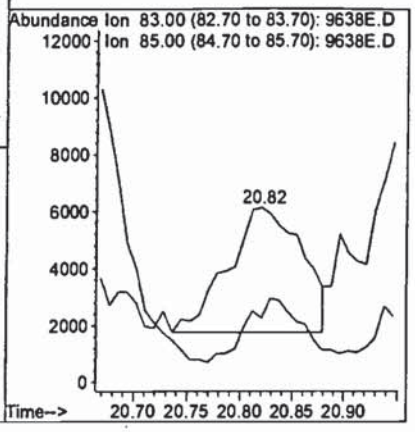


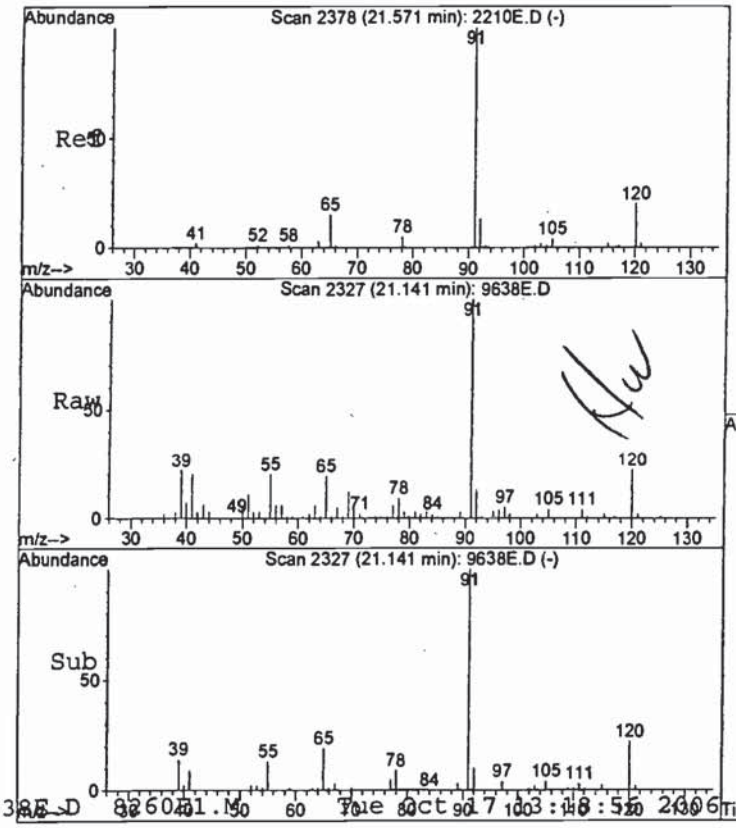


#65
1,1,2,2-Tetrachloroethane
Concen: 1.43 UG/L
RT: 20.82 min Scan# 2289
Delta R.T. -0.08 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 83 Resp: 21560

Ion	Ratio	Lower	Upper
83	100		
85	39.0	0.0	0.0#

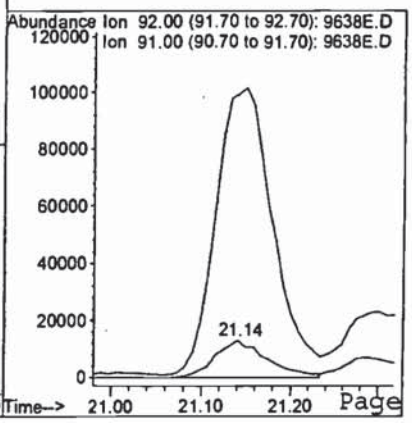


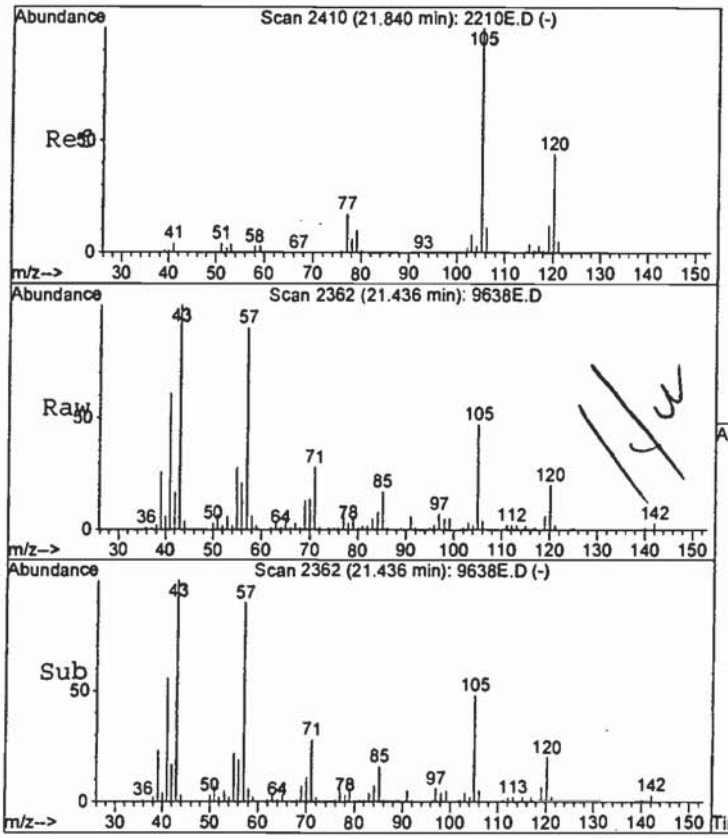


#68
n-Propylbenzene
Concen: 16.13 UG/L
RT: 21.14 min Scan# 2327
Delta R.T. 0.05 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 92 Resp: 51970

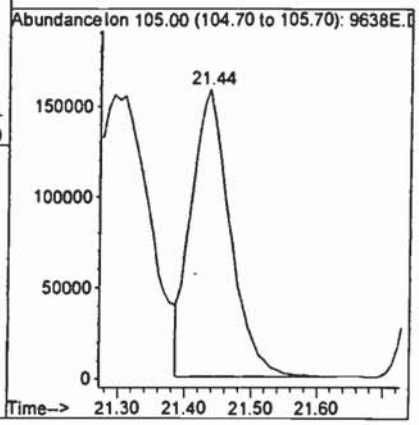
Ion	Ratio	Lower	Upper
92	100		
91	862.4	755.4	1133.2

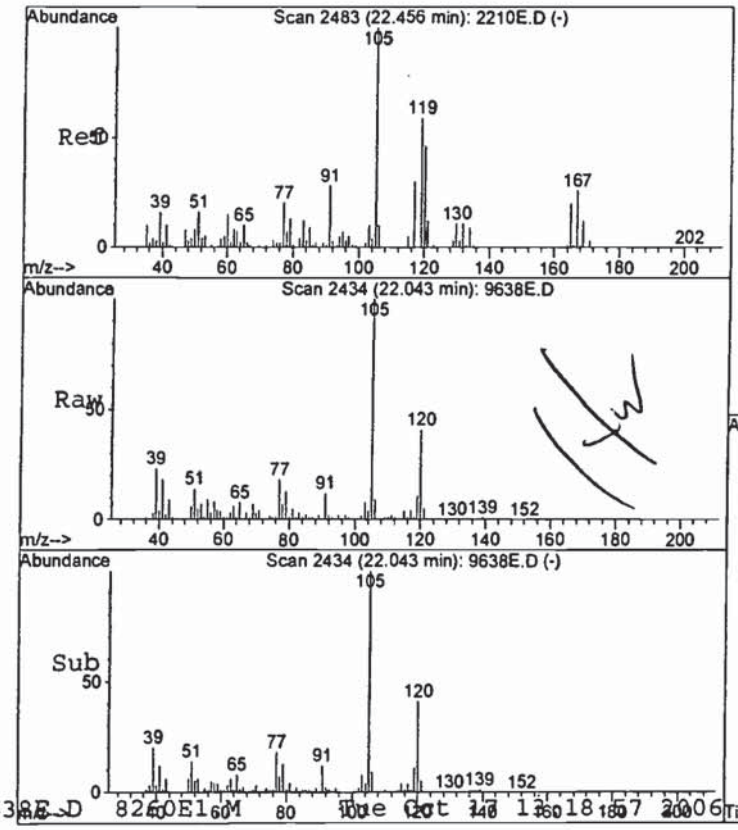




#69
1,3,5-Trimethylbenzene
Concen: 42.79 UG/L
RT: 21.44 min Scan# 2362
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

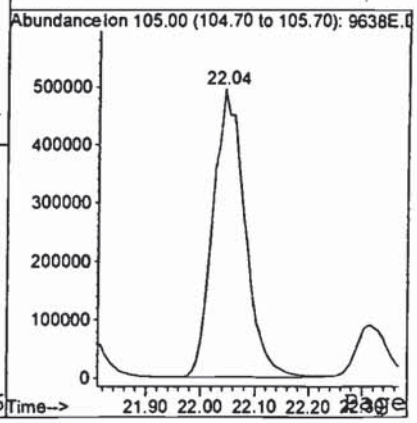
Tgt Ion:105 Resp: 641260

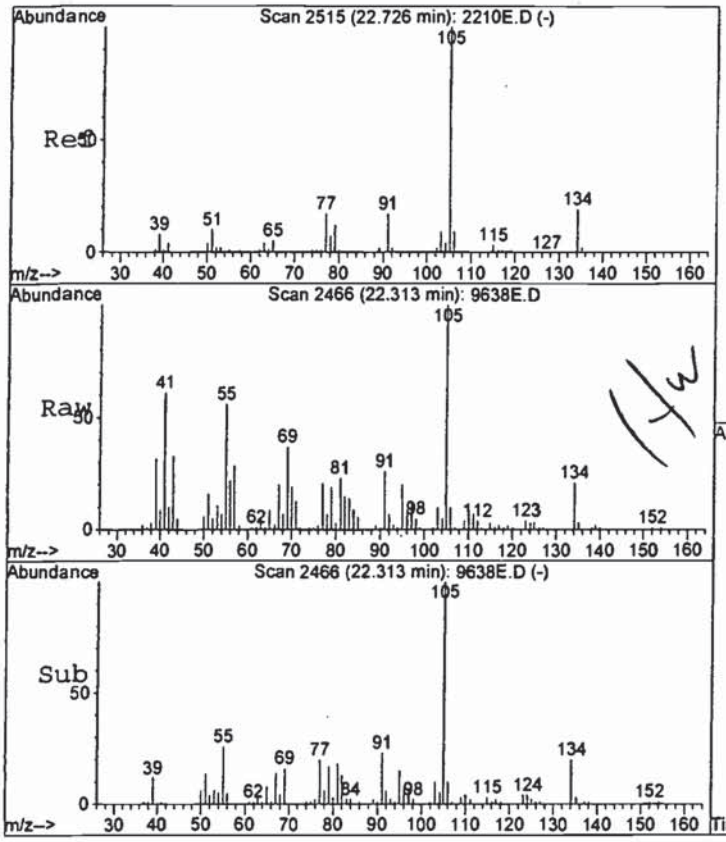




#73
1,2,4-Trimethylbenzene
Concen: 140.24 UG/L
RT: 22.04 min Scan# 2434
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

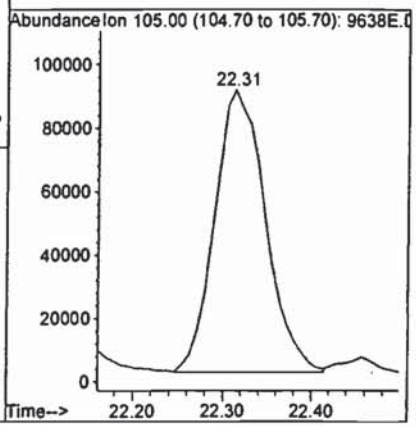
Tgt Ion:105 Resp: 2030998

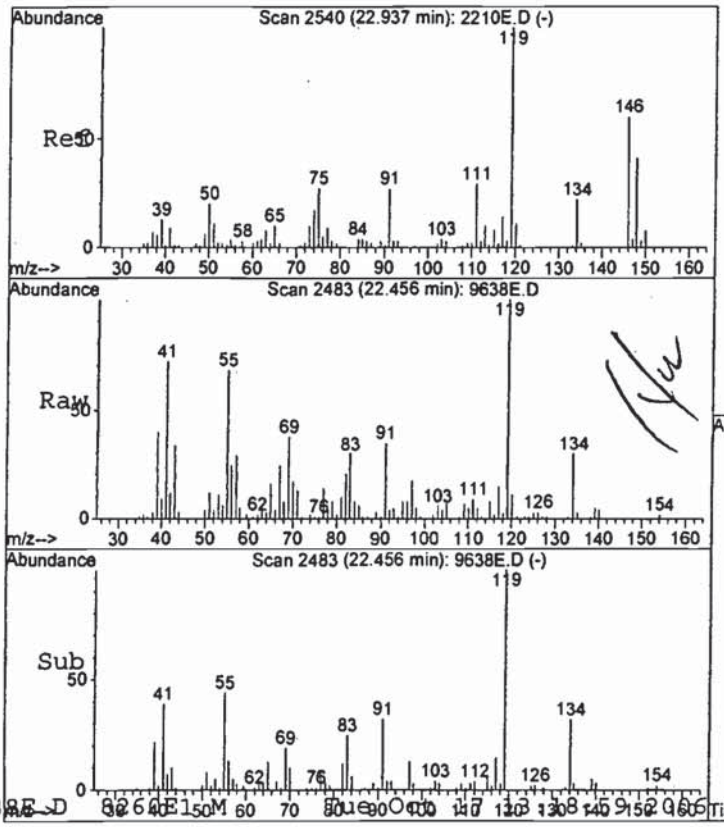




#74
sec-Butylbenzene
Concen: 14.56 UG/L
RT: 22.31 min Scan# 2466
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

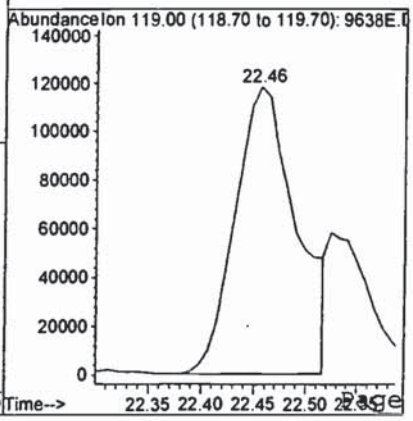
Tgt Ion:105 Resp: 351485

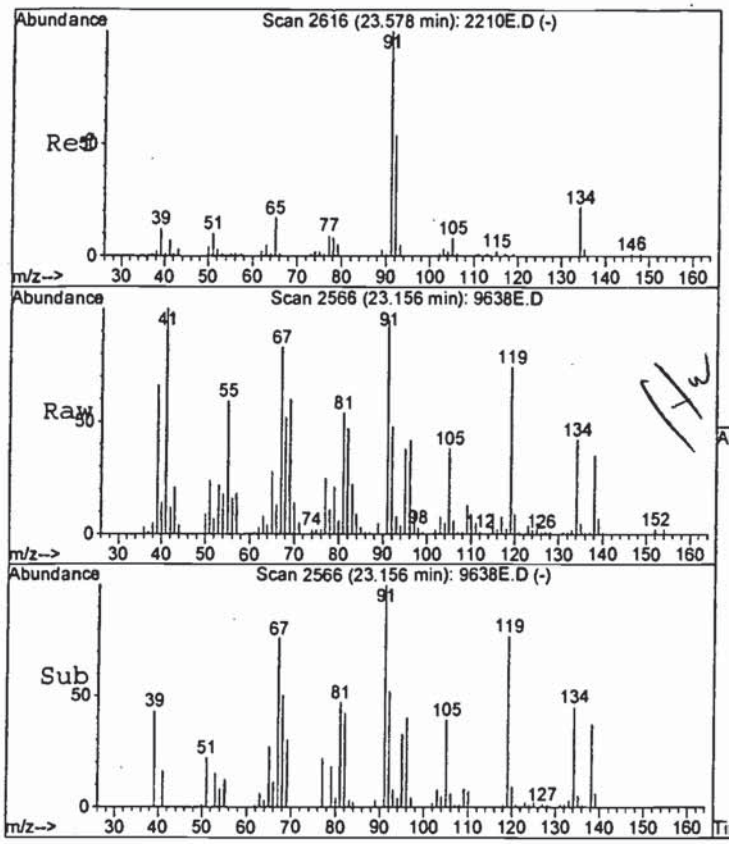




#75
p-Isopropyltoluene
Concen: 32.88 UG/L
RT: 22.46 min Scan# 2483
Delta R.T. -0.02 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:119 Resp: 477498

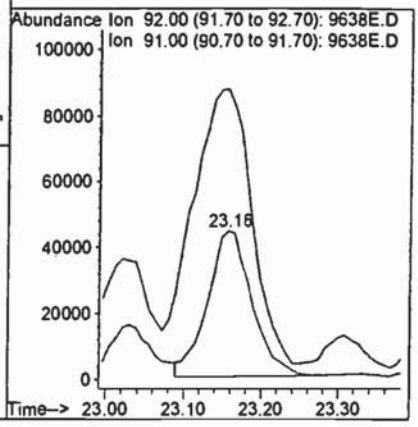


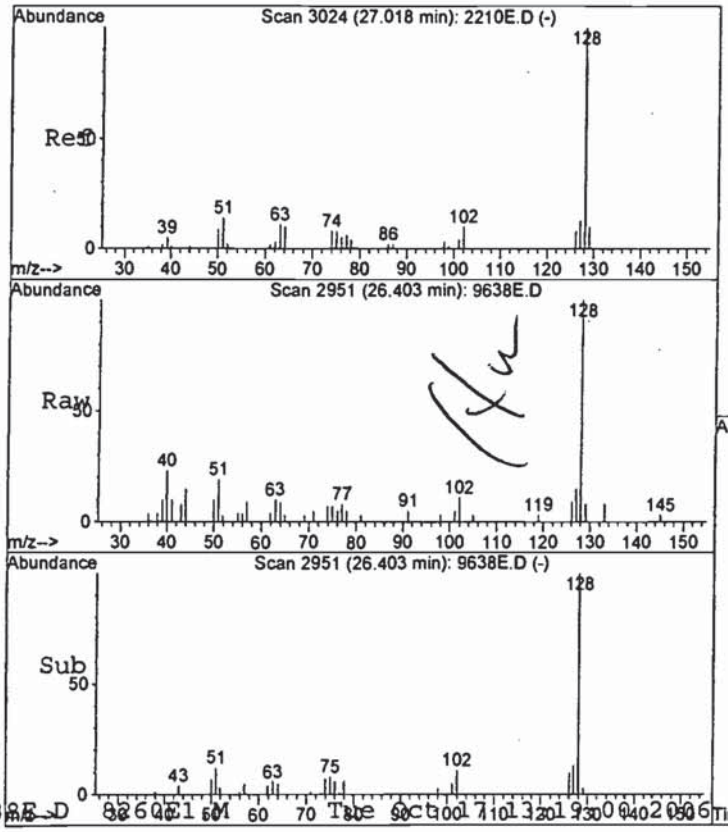


#78
n-Butylbenzene
Concen: 17.93 UG/L
RT: 23.16 min Scan# 2566
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion: 92 Resp: 173994

Ion	Ratio	Lower	Upper
92	100		
91	258.8	134.6	201.8#

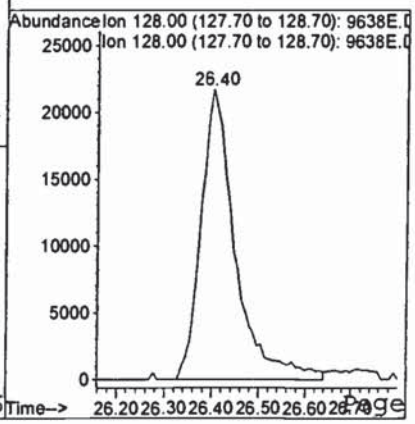




#82
Naphthalene
Concen: 10.96 UG/L
RT: 26.40 min Scan# 2951
Delta R.T. 0.08 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

Tgt Ion:128 Resp: 109839

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0

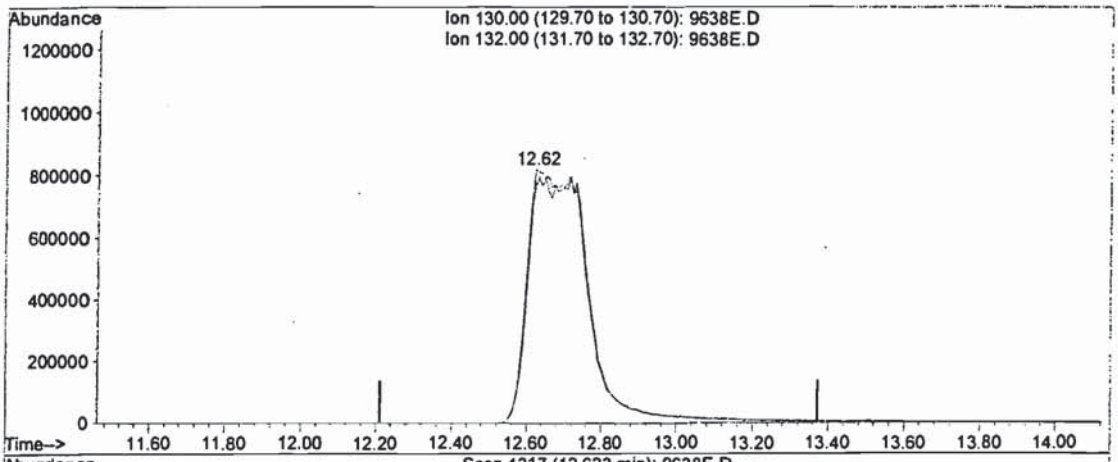


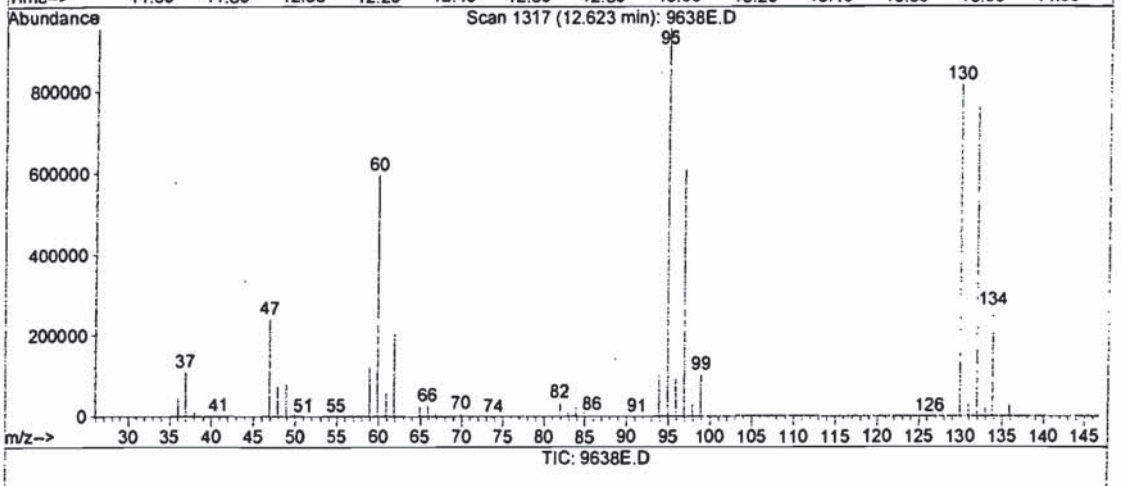
Quantitation Report

Data File : E:\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
Quant Time: Oct 19 9:45 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(37) Trichloroethene (M)

12.62min 825.01UG/L m

response 9093110

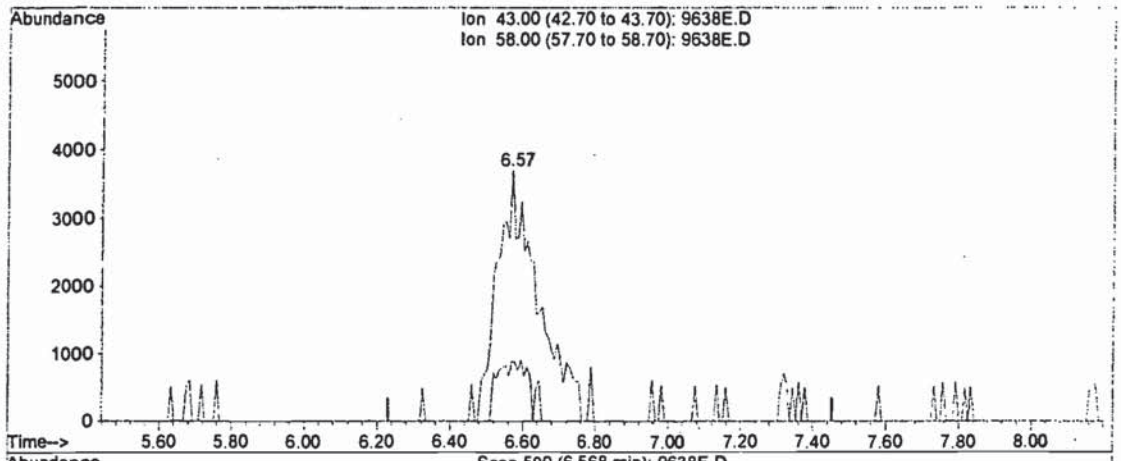
Ion	Exp%	Act%
130.00	100	100
132.00	96.80	38.10#
0.00	0.00	0.00
0.00	0.00	0.00

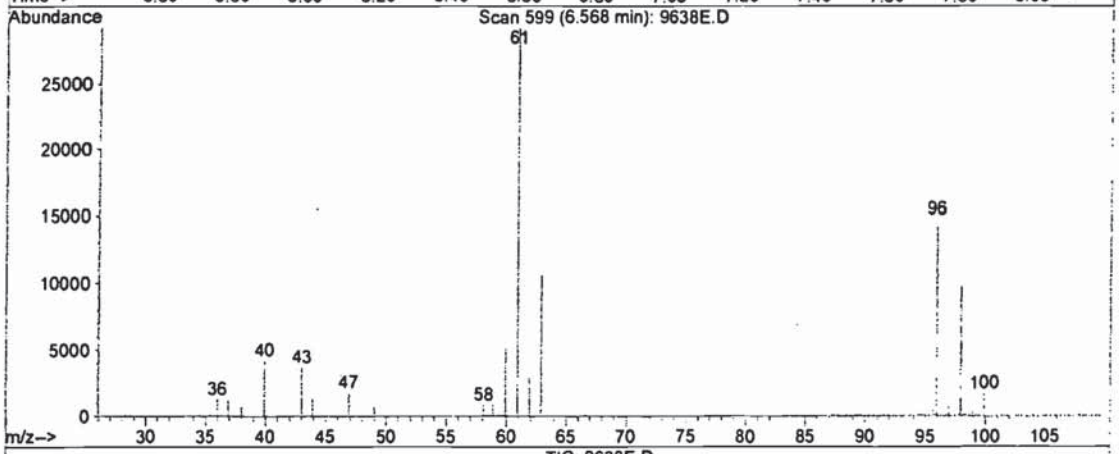
Quantitation Report

Data File : E:\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
Quant Time: Oct 19 9:44 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





TIC: 9638E.D

(11) Acetone

6.57min 8.46UG/L m

response 29330

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	7.61#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : E:\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:41 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1322505	50.00 UG/L	0.05
9) CHLOROBENZENE-d5	18.54	117	1007306	50.00 UG/L	0.03
11) 1,4-Dichlorobenzene-d4	22.61	152	442260	50.00 UG/L	0.03

System Monitoring Compounds

Target Compounds					Qvalue
3) Acetonitrile	7.05	40	2834	-156.12 UG/L #	100
5) Ethyl Cyanide	9.83	54	11497	1.11 UG/L #	100
6) Methacrylonitrile	10.08	67	11804	3205.01 UG/L #	100
10) Ethyl Methacrylate	16.17	69	334	415.57 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.52	53	12518	788.14 UG/L #	100

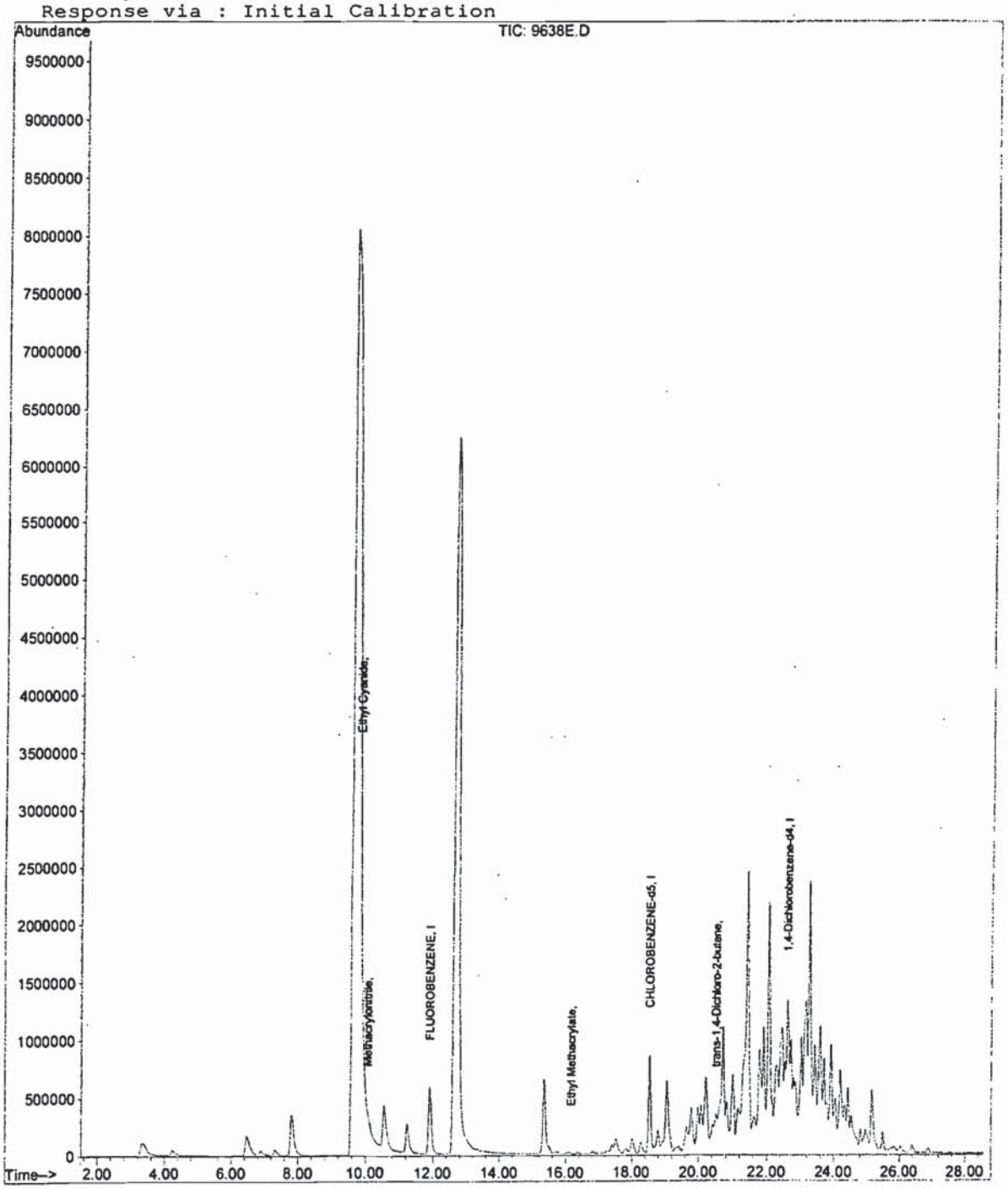
(#) = qualifier out of range (m) = manual integration

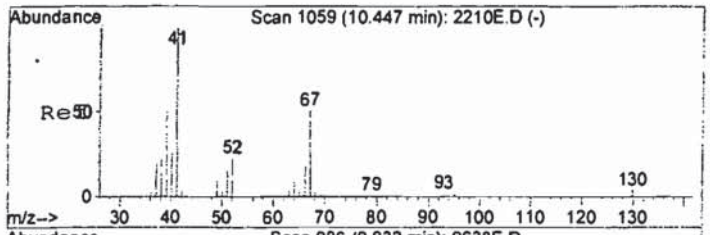
Quantitation Report

Data File : E:\DATA\E101706\9638E.D
Acq On : 17 Oct 06 12:49
Sample : A749077 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:41 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration

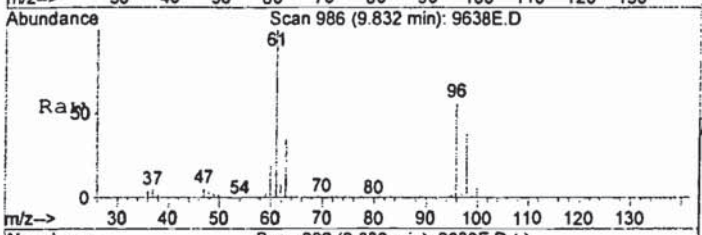


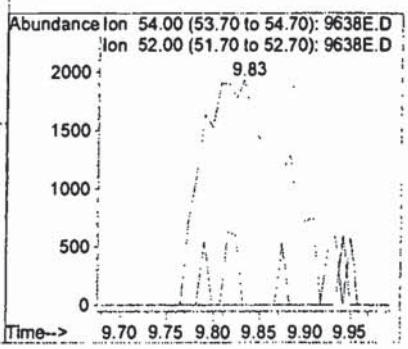


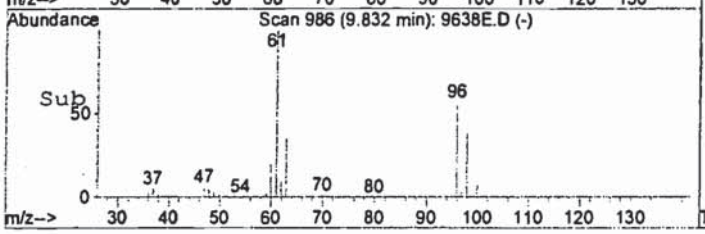
#5
Ethyl Cyanide
Concen: 1.11 UG/L
RT: 9.83 min Scan# 986
Delta R.T. 0.06 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

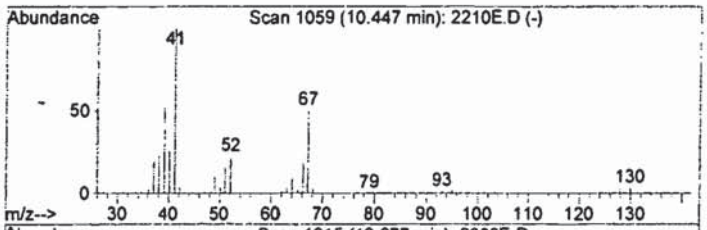
Tgt Ion: 54 Resp: 11497

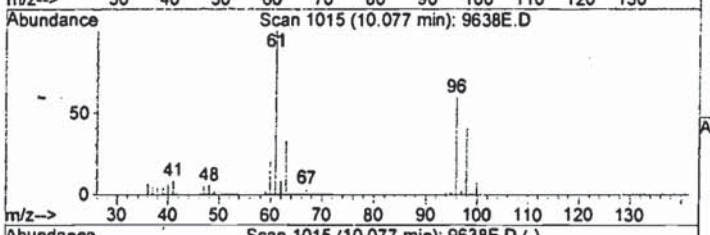
Ion	Ratio	Lower	Upper
54	100		
52	5.4	0.0	0.0#

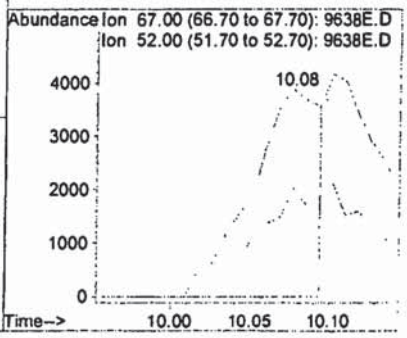


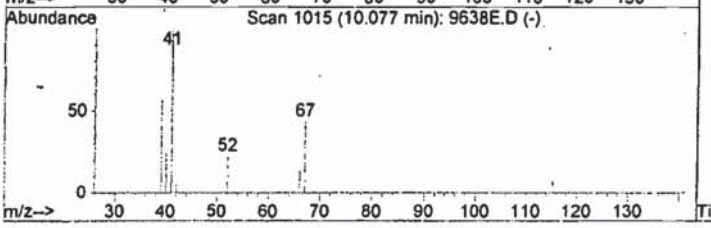


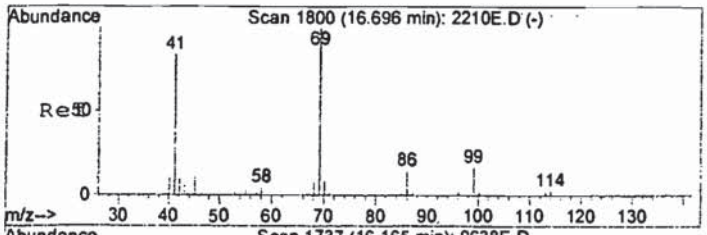






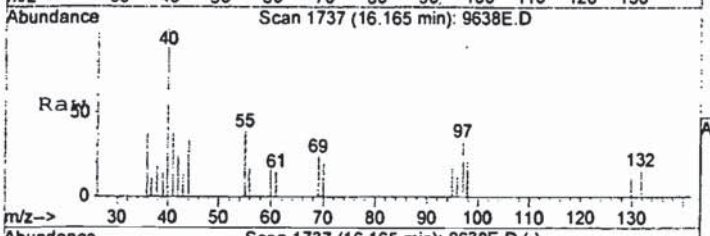


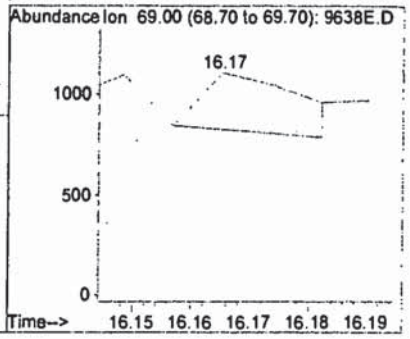


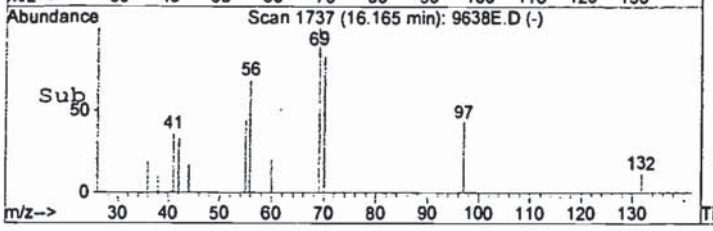


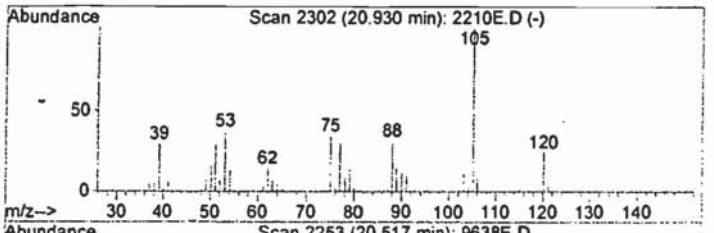
#10
Ethyl Methacrylate
Concen: 415.57 UG/L
RT: 16.17 min Scan# 1737
Delta R.T. 0.01 min
Lab File: 9638E.D
Acq: 17 Oct 06 12:49

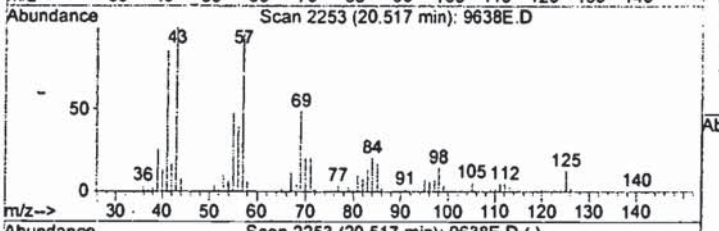
Tgt Ion: 69 Resp: 334

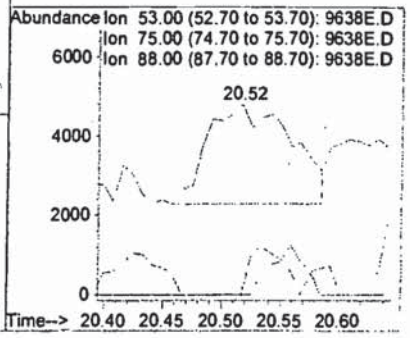


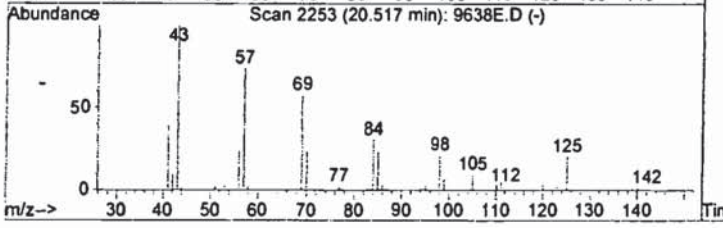












R510493 Heritage Environmental Services, LLC A749077

GC/MS VOA

Method SW846-8260B
Sample Description A2-SW-2(11')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.1
Analyst 1365 H. WILLIAMS
File 9657E.D Date/Time 19Oct06 11:12:00
Dilution Factor 1

Prep : 4.03 Grams 5 mL

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
156-59-2	246	CIS-1,2-DICHLOROETHENE	16		0.63	MG/KG	
79-01-6	750	TRICHLOROETHENE	19		0.63	MG/KG	
	1804	...					
	971	SURROGATE RECOVERY					
	972	----------					
17060-07-0	301	DICHLOROETHANE-D4	96			% RECOVERY	
2037-26-5	726	TOLUENE-D8	105			% RECOVERY	
460-00-4	196	4-BROMOFLUOROBENZENE	111			% RECOVERY	
1868-53-7	3362	DIBROMOFLUOROMETHANE	100			% RECOVERY	

Comment DILUTION 1:100

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9657E.D
Acq On : 19 Oct 06 11:12
Sample : A749077 1:125
Misc : 4G/5ML 100UL/10ML REP01
MS Integration Params: rteint.p
Quant Time: Oct 19 11:41 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.83	96	1720622	50.00 UG/L	0.00
51) CHLOROBENZENE-d5	18.49	117	1342512	50.00 UG/L	0.03
63) 1,4-Dichlorobenzene-d4	22.58	152	799849	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.16	65	668347	47.87 UG/L	0.00
Spiked Amount 50.000	Range 40 - 60		Recovery = 95.74%#		
44) Toluene-d8	15.28	98	1599041	52.25 UG/L	0.02
Spiked Amount 50.000	Range 44 - 55		Recovery = 104.50%#		
47) Dibromofluoromethane	10.47	113	1094176	49.78 UG/L	0.00
Spiked Amount 50.000			Recovery = 99.56%		
50) 4-Bromofluorobenzene	20.69	95	1392869	55.42 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 110.84%#		

Target Compounds					Qvalue
~~10) Trichlorotrifluoroethane~~	6.22	101	29567	1.38 UG/L #	100
~~13) Methylene Chloride~~	7.21	84	38941	3132.12 UG/L	76
~~15) Carbon Disulfide~~	6.67	76	9455	1364.46 UG/L #	73
23) cis-1,2-Dichloroethene	9.57	96	1763588	130.65 UG/L #	75
~~36) N-Butanol~~	12.56	43	297	1.12 UG/L	100
37) Trichloroethene	12.58	130	2139563	149.20 UG/L	99
58) ETHYL BENZENE	18.76	106	18620	1.62 UG/L	90
59) m,p-Xylene	19.00	106	21666	1.64 UG/L	81
60) o-Xylene	19.74	106	40068	3.00 UG/L	79
64) Isopropylbenzene	20.41	105	64777	1.74 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.96	83	57663	2.11 UG/L #	100
67) 1,2,3-Trichloropropane	20.92	110	5842	1.08 UG/L	100
68) n-Propylbenzene	21.12	92	25130	4.31 UG/L	83
69) 1,3,5-Trimethylbenzene	21.41	105	234625	8.66 UG/L	100
72) t-Butylbenzene	22.02	119	106224	3.47 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	844548	32.24 UG/L	100
74) sec-Butylbenzene	22.29	105	158807	3.64 UG/L	100
75) p-Isopropyltoluene	22.51	119	98847	3.76 UG/L	100
82) Naphthalene	26.36	128	101880	5.62 UG/L	100

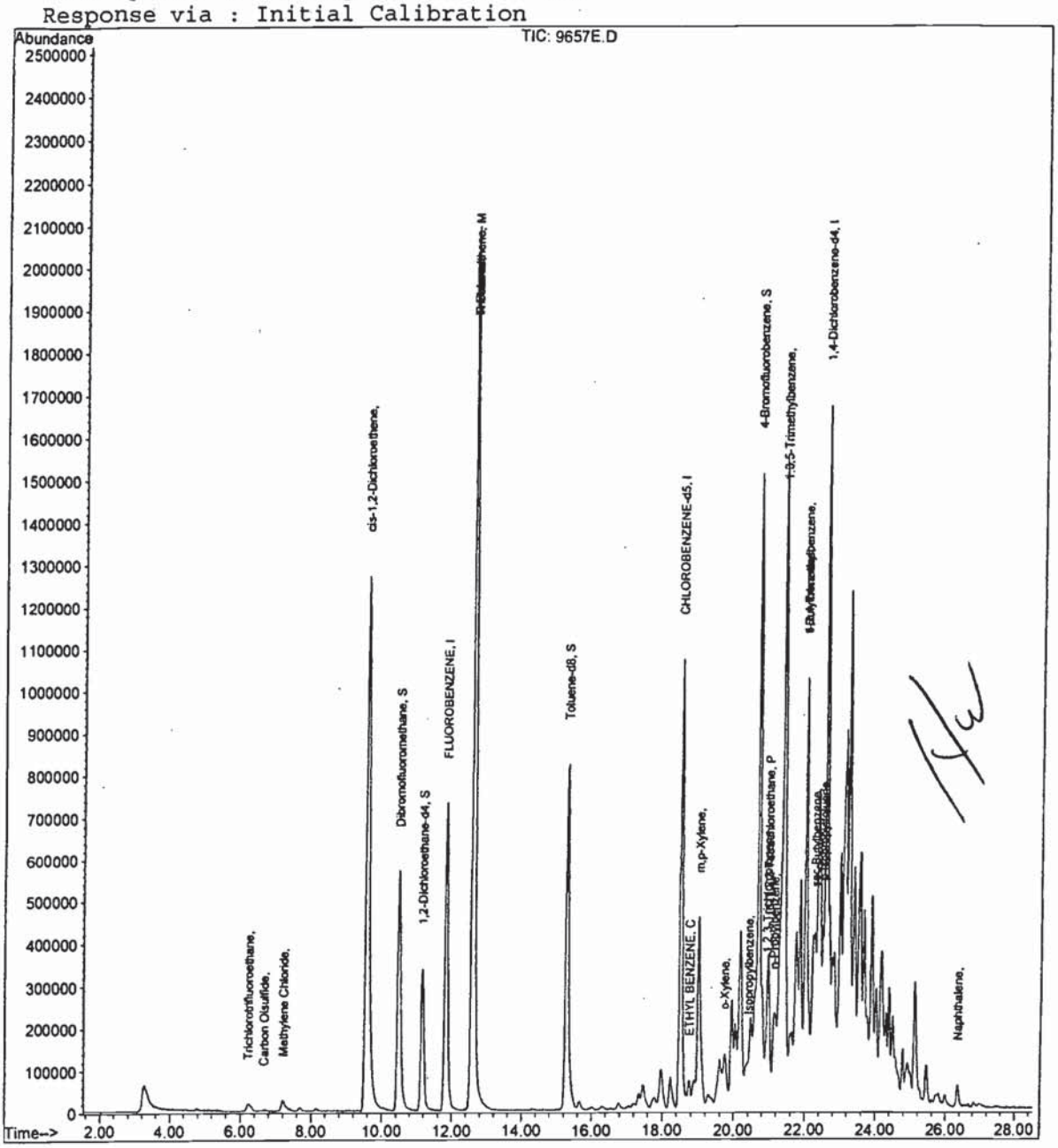
(#) = qualifier out of range (m) = manual integration

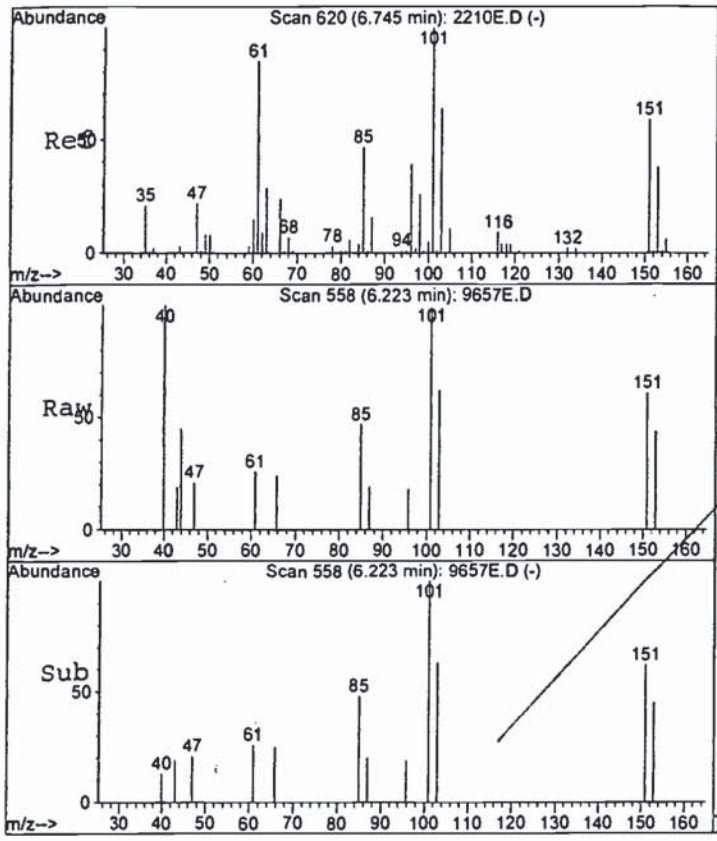
Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9657E.D
Acq On : 19 Oct 06 11:12
Sample : A749077 1:125
Misc : 4G/5ML 100UL/10ML REP01
MS Integration Params: rteint.p
Quant Time: Oct 19 11:41 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

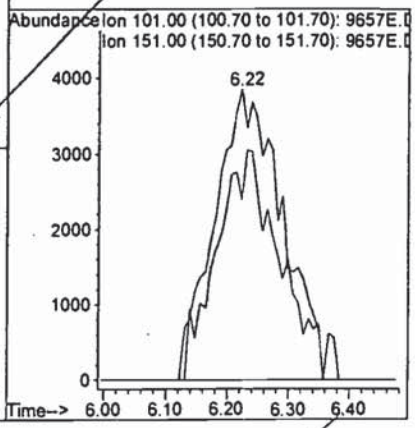


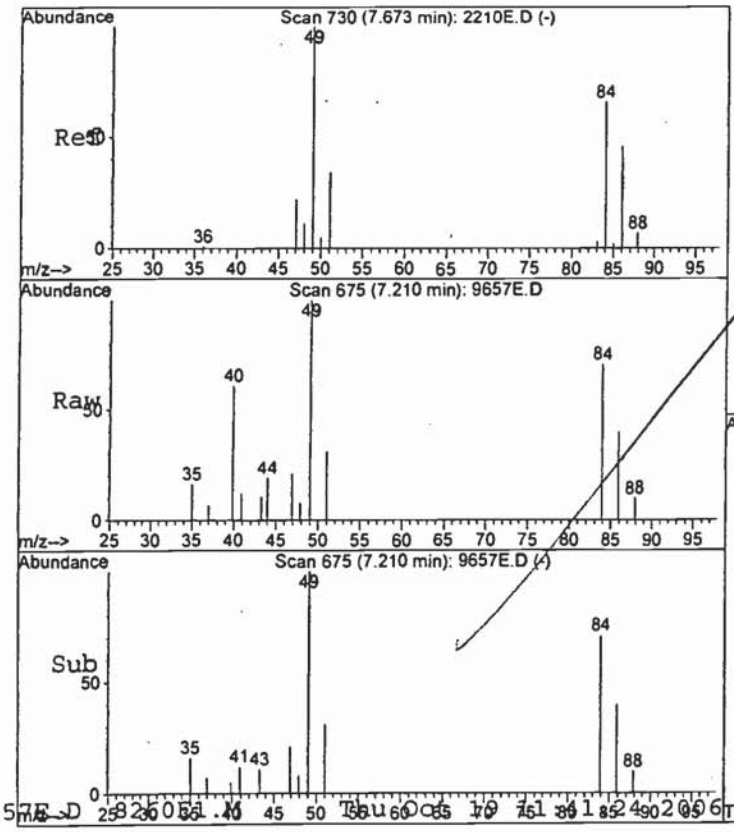


#10
Trichlorotrifluoroethane
Concen: 1.38 UG/L
RT: 6.22 min Scan# 558
Delta R.T. -0.15 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:101 Resp: 29567

Ion	Ratio	Lower	Upper
101	100		
151	73.6	0.0	0.0#

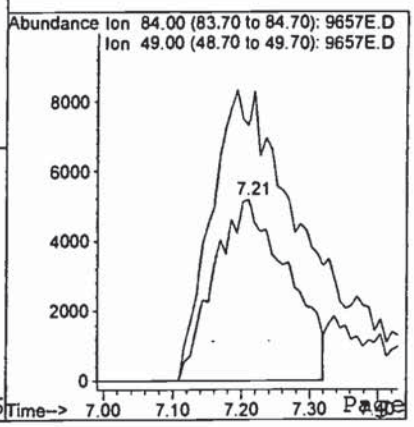


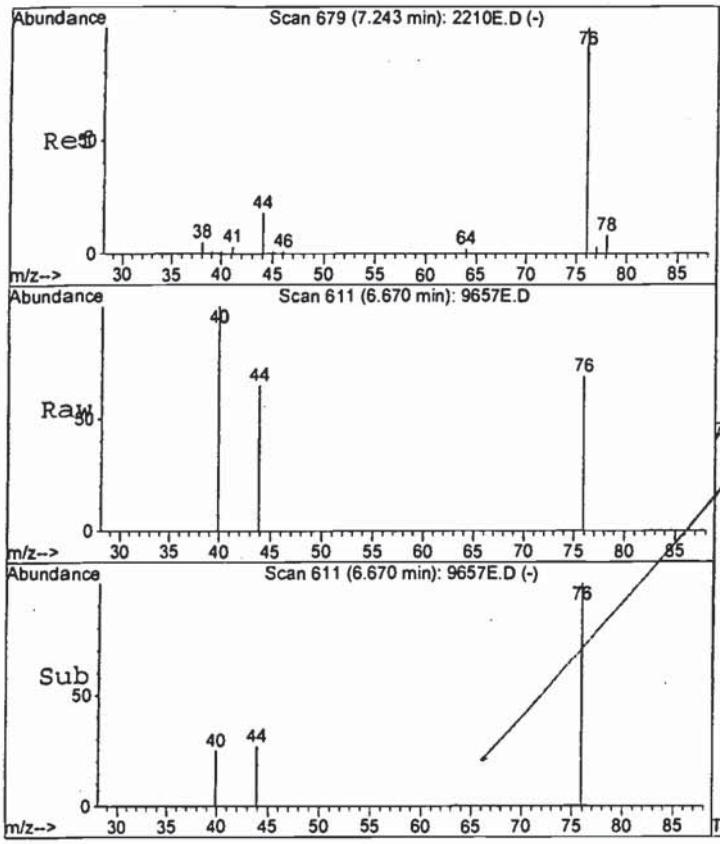


#13
Methylene Chloride
Concen: 3132.12 UG/L
RT: 7.21 min Scan# 675
Delta R.T. -0.02 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 84 Resp: 38941

Ion	Ratio	Lower	Upper
84	100		
49	184.6	123.1	184.7

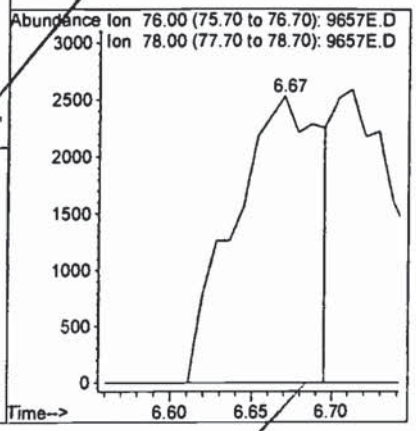


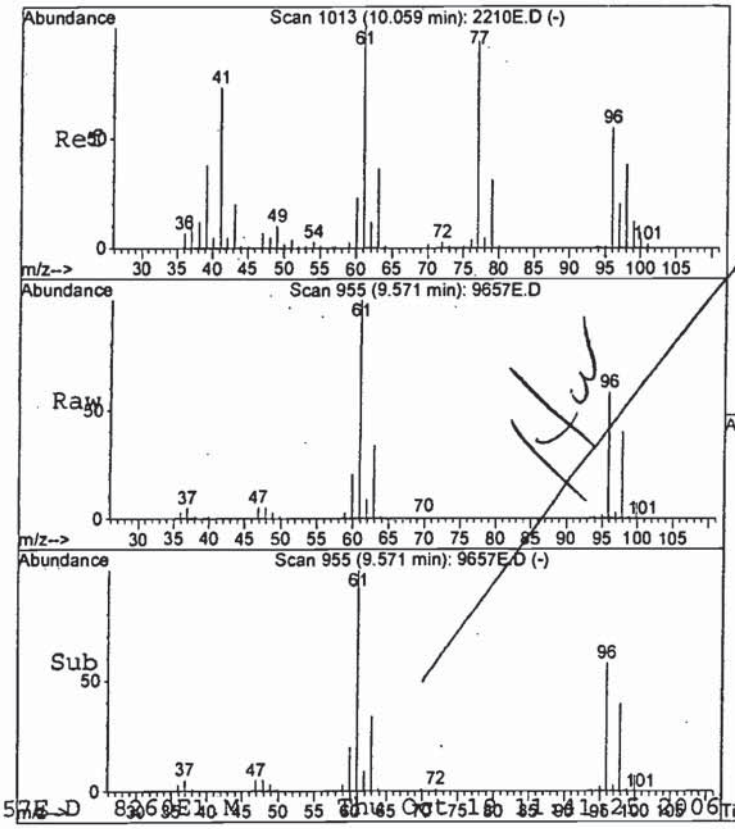


#15
Carbon Disulfide
Concen: 1364.46 UG/L
RT: 6.67 min Scan# 611
Delta R.T. -0.13 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 76 Resp: 9455

Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#

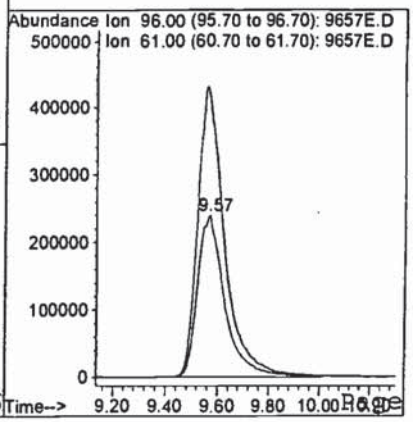


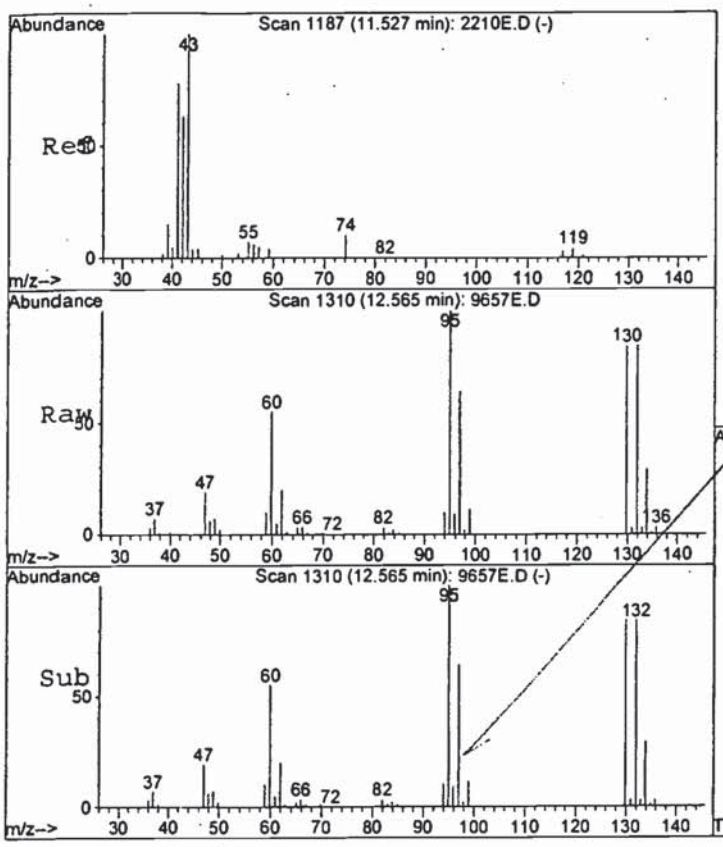


#23
cis-1,2-Dichloroethene
Concen: 130.65 UG/L
RT: 9.57 min Scan# 955
Delta R.T. 0.01 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 96 Resp: 1763588

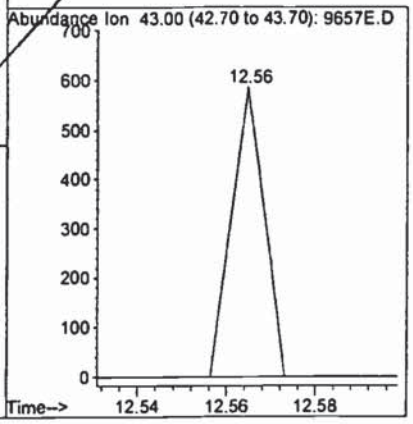
Ion	Ratio	Lower	Upper
96	100		
61	174.7	115.0	172.6#

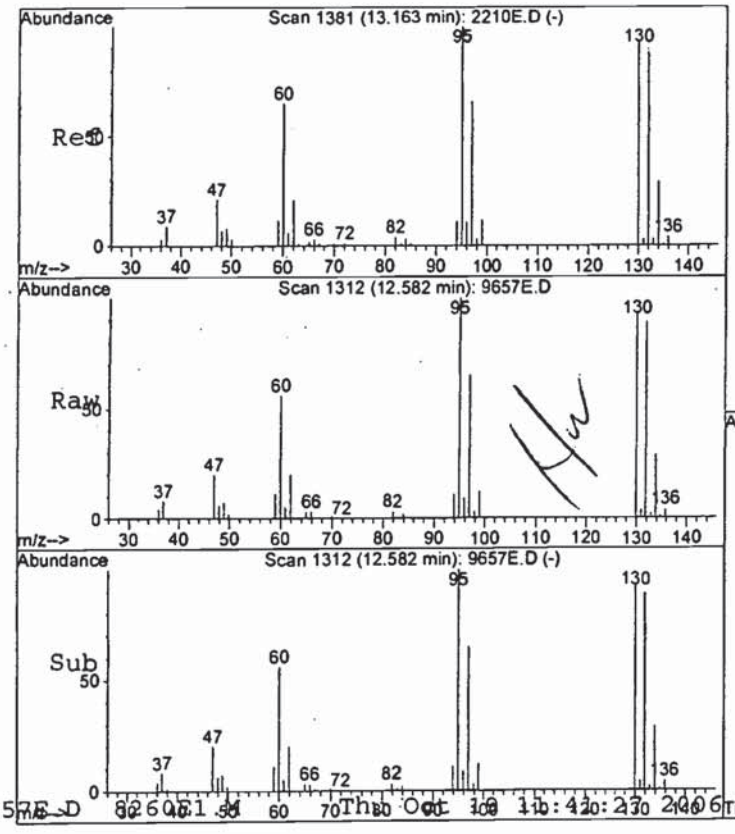




#36
N-Butanol
Concen: 1.12 UG/L
RT: 12.56 min Scan# 1310
Delta R.T. 0.19 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 43 Resp: 297

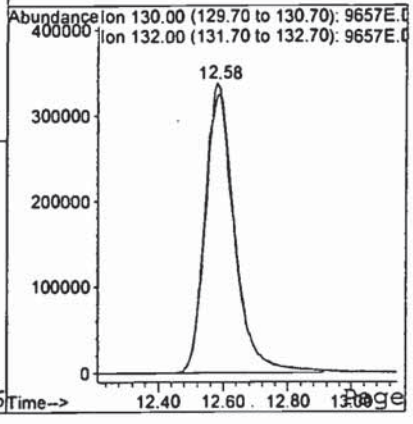


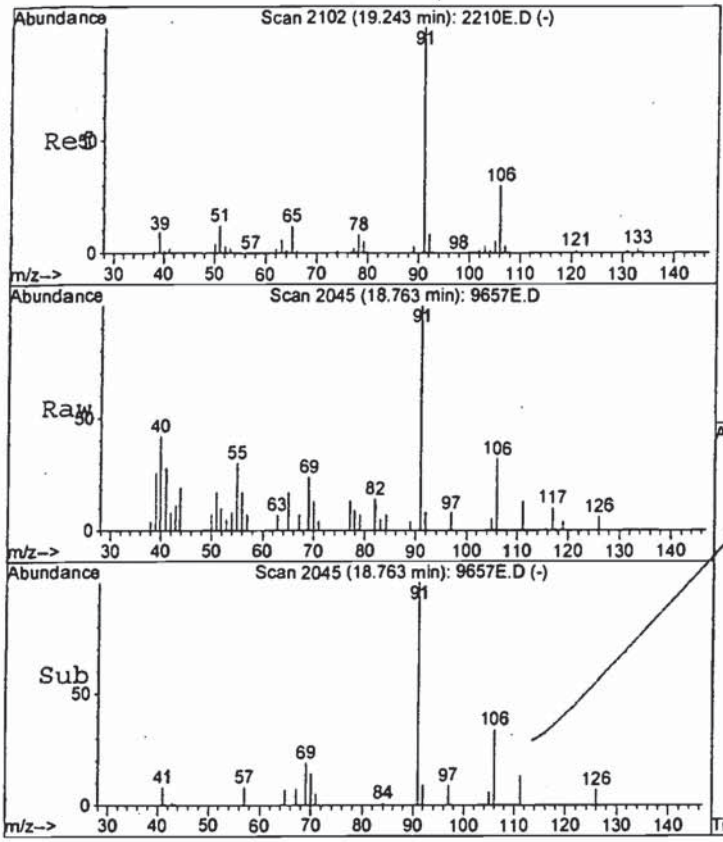


#37
Trichloroethene
Concen: 149.20 UG/L
RT: 12.58 min Scan# 1312
Delta R.T. 0.01 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:130 Resp: 2139563

Ion	Ratio	Lower	Upper
130	100		
132	96.2	77.4	116.2

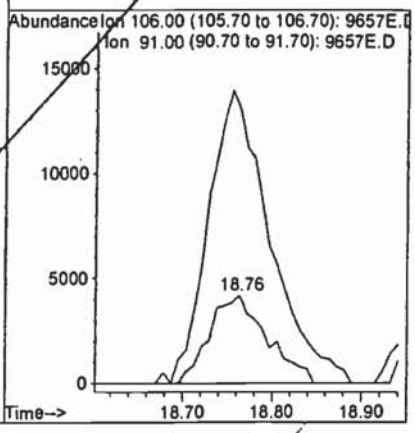


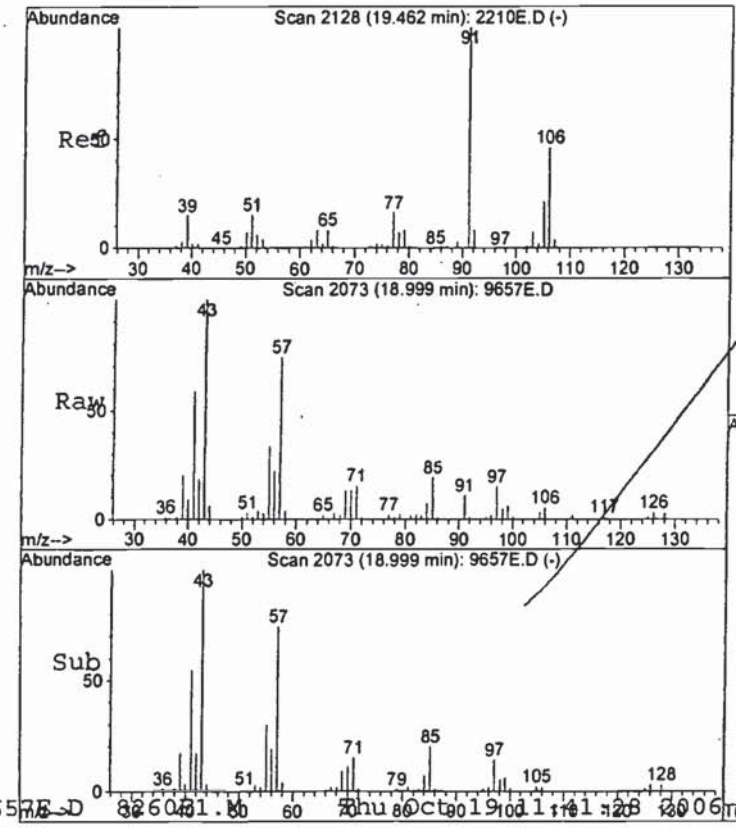


#58
ETHYL BENZENE
Concen: 1.62 UG/L
RT: 18.76 min Scan# 2045
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:106 Resp: 18620

Ion	Ratio	Lower	Upper
106	100		
91	358.1	269.1	403.7

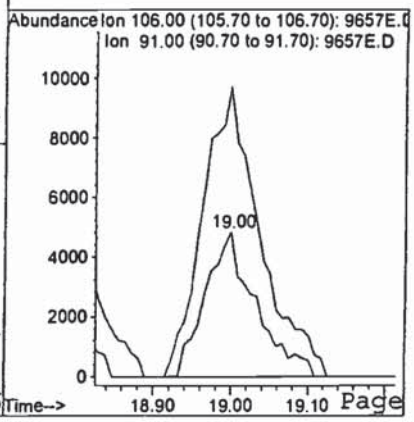


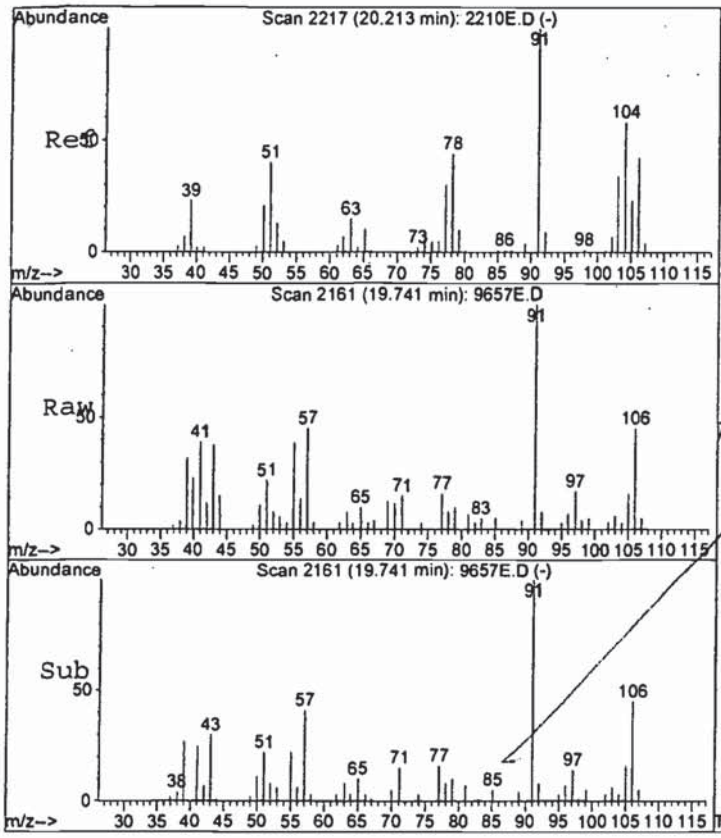


#59
m,p-Xylene
Concen: 1.64 UG/L
RT: 19.00 min Scan# 2073
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:106 Resp: 21666

Ion	Ratio	Lower	Upper
106	100		
91	228.1	159.5	239.3

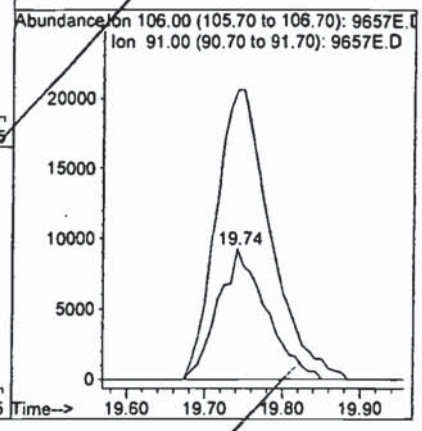


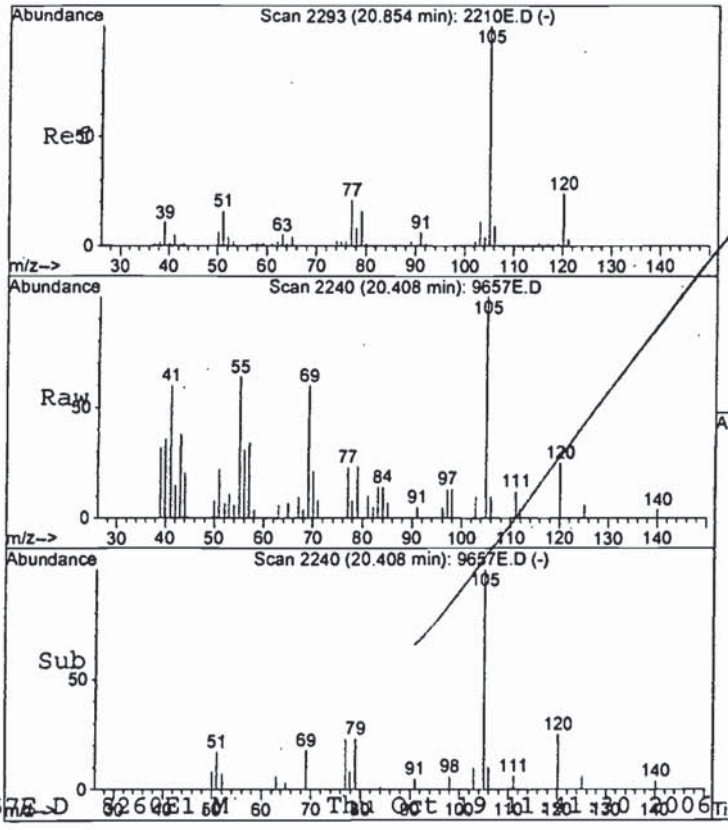


#60
o-Xylene
Concen: 3.00 UG/L
RT: 19.74 min Scan# 2161
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:106 Resp: 40068

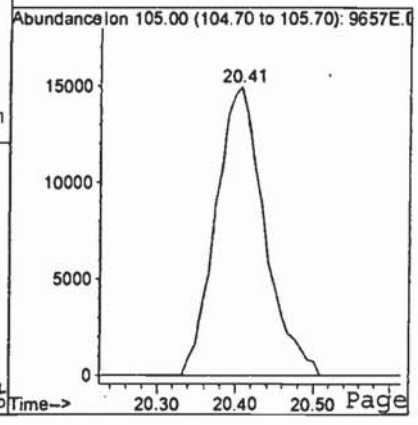
Ion	Ratio	Lower	Upper
106	100		
91	250.6	173.6	260.4

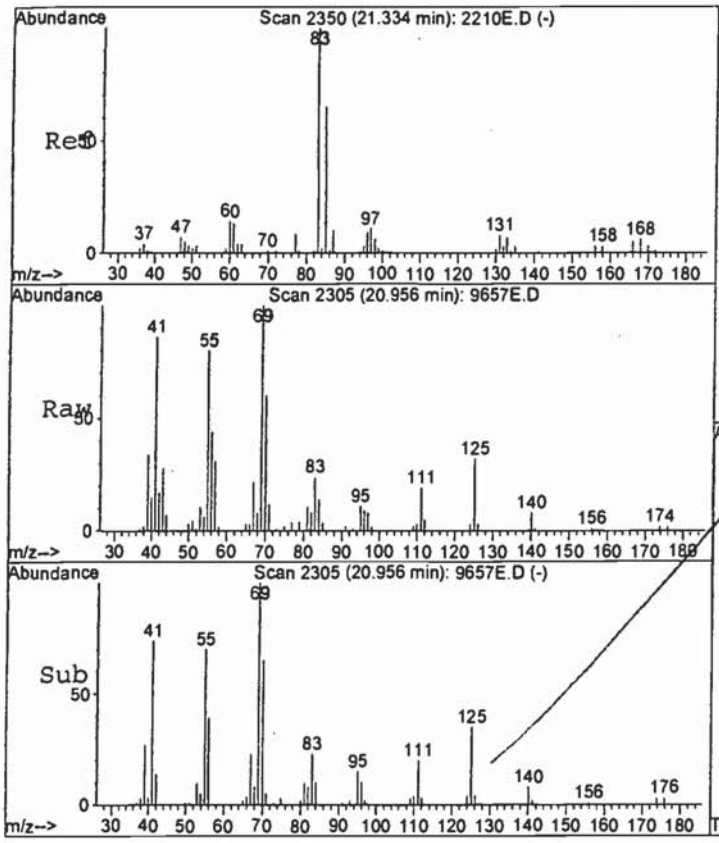




#64
Isopropylbenzene
Concen: 1.74 UG/L
RT: 20.41 min Scan# 2240
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:105 Resp: 64777

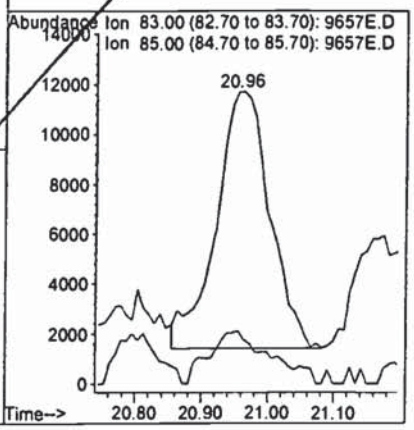


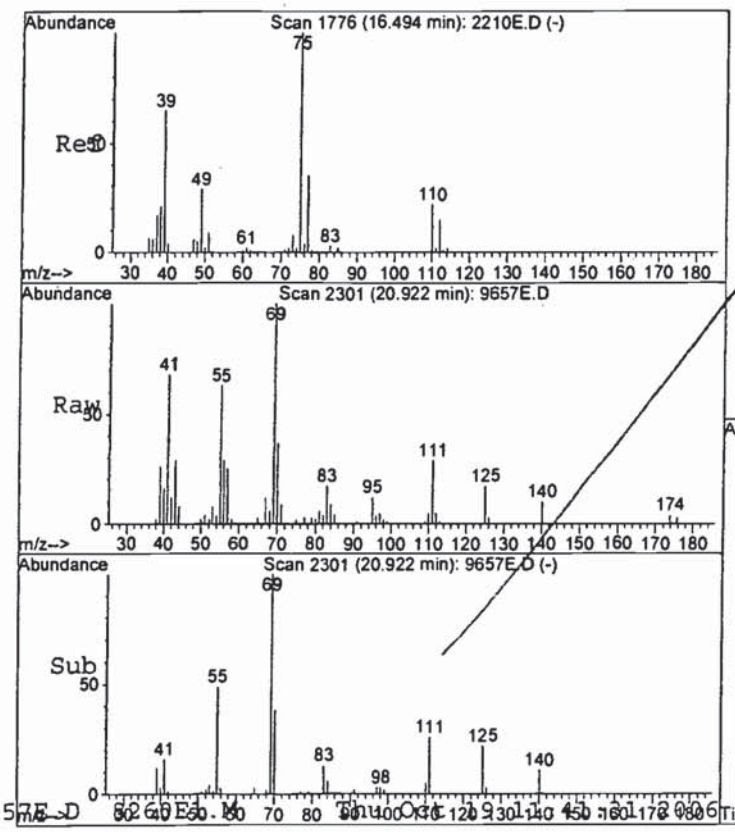


#65
1,1,2,2-Tetrachloroethane
Concen: 2.11 UG/L
RT: 20.96 min Scan# 2305
Delta R.T. 0.06 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 83 Resp: 57663

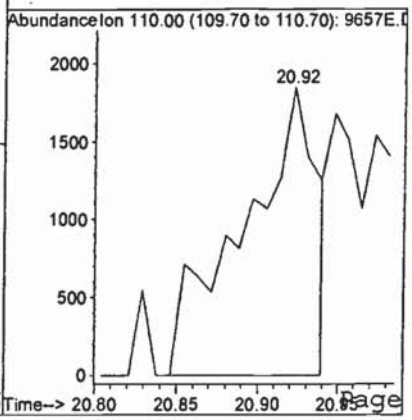
Ion	Ratio	Lower	Upper
83	100		
85	21.5	0.0	0.0#

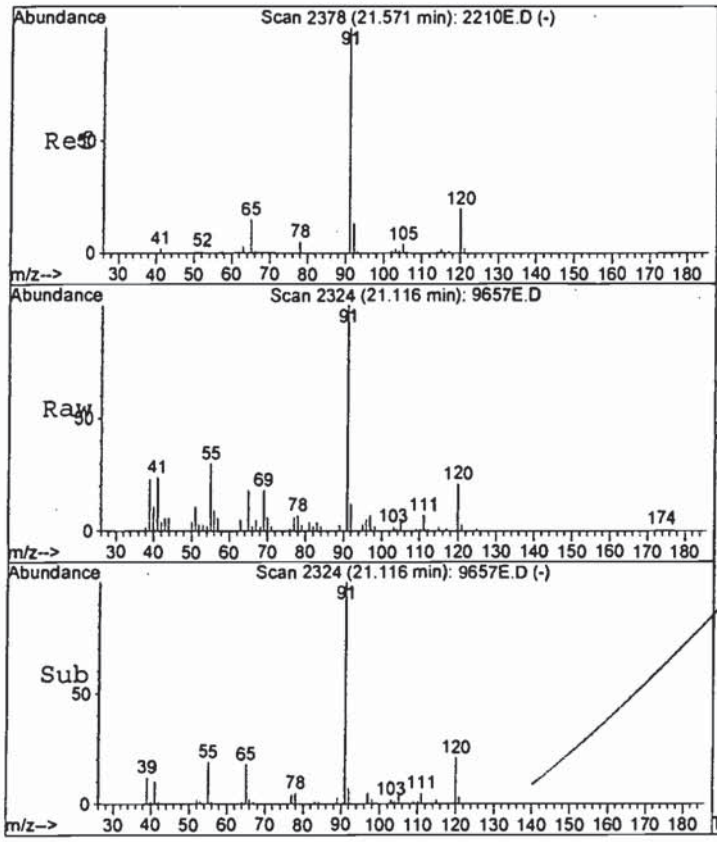




#67
1,2,3-Trichloropropane
Concen: 1.08 UG/L
RT: 20.92 min Scan# 2301
Delta R.T. -0.06 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:110 Resp: 5842

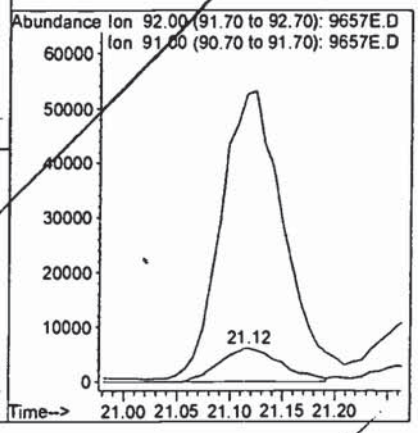


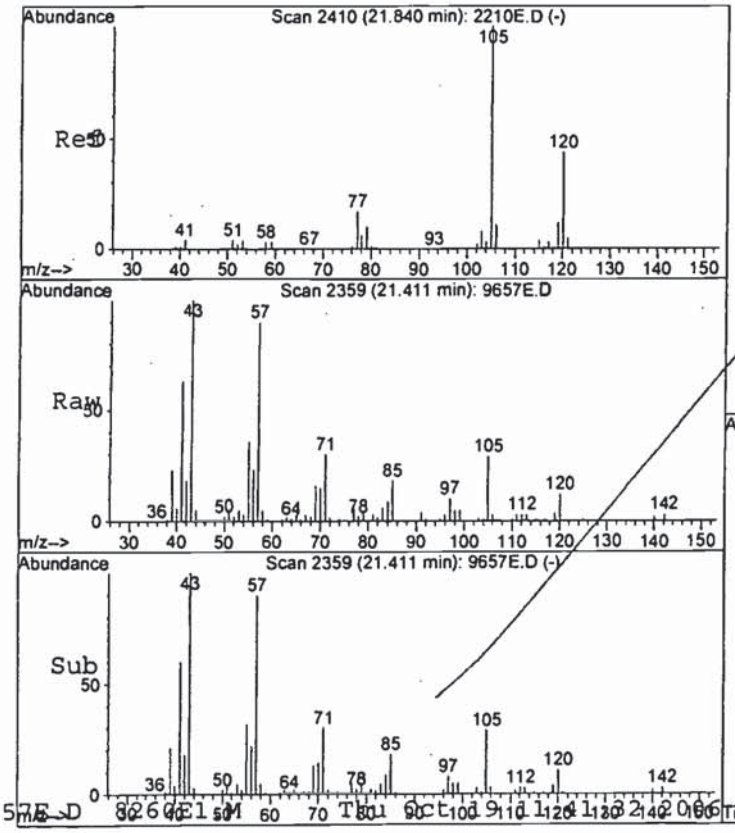


#68
n-Propylbenzene
Concen: 4.31 UG/L
RT: 21.12 min Scan# 2324
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion: 92 Resp: 25130

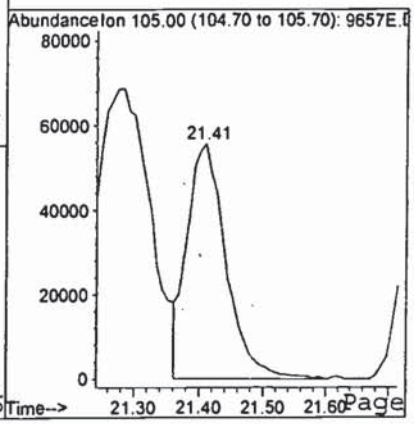
Ion	Ratio	Lower	Upper
92	100		
91	870.2	755.4	1133.2

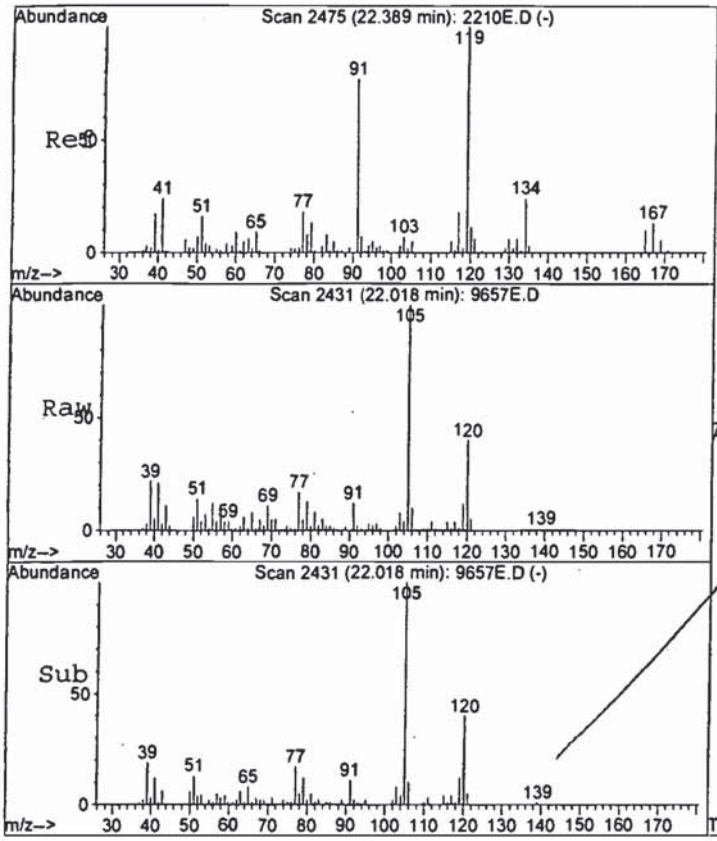




#69
1,3,5-Trimethylbenzene
Concen: 8.66 UG/L
RT: 21.41 min Scan# 2359
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

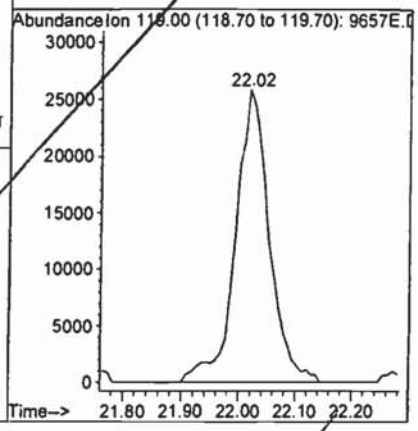
Tgt Ion:105 Resp: 234625

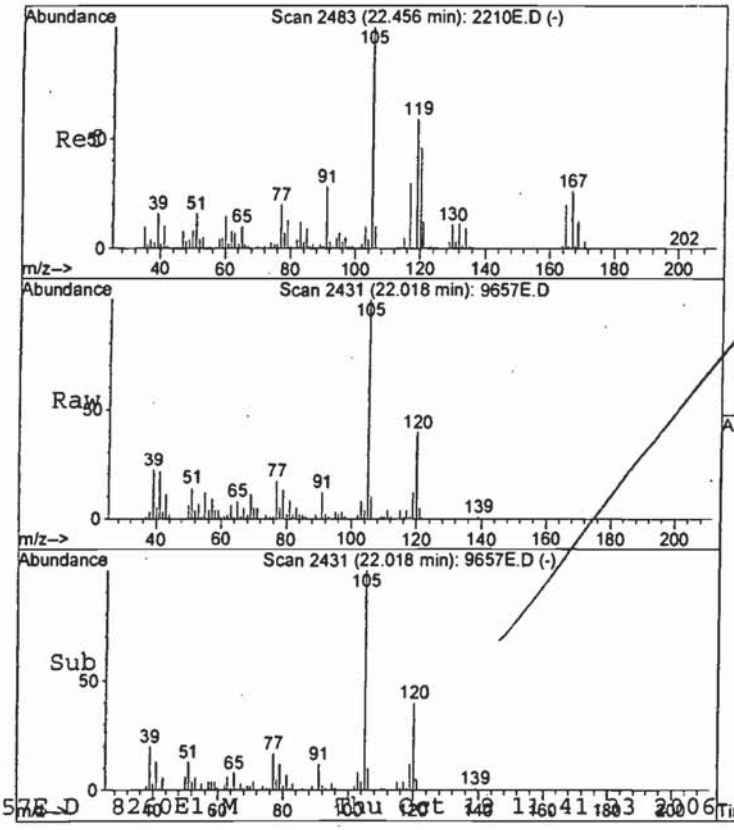




#72
t-Butylbenzene
Concen: 3.47 UG/L
RT: 22.02 min Scan# 2431
Delta R.T. 0.11 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

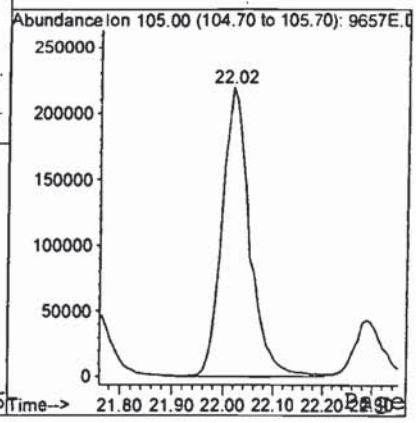
Tgt Ion:119 Resp: 106224

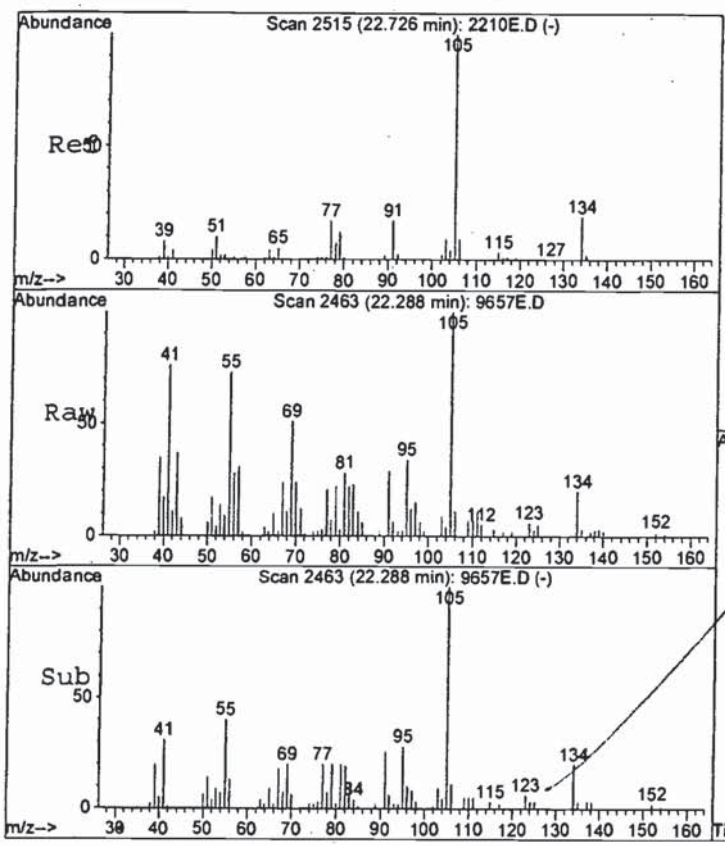




#73
1,2,4-Trimethylbenzene
Concen: 32.24 UG/L
RT: 22.02 min Scan# 2431
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

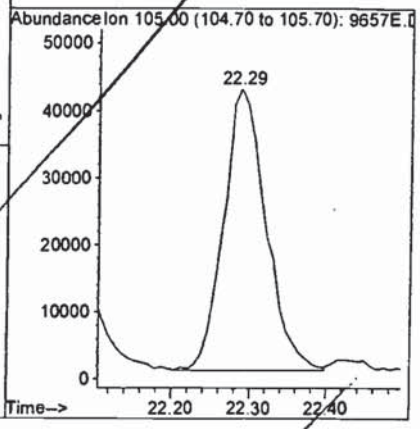
Tgt Ion:105 Resp: 844548

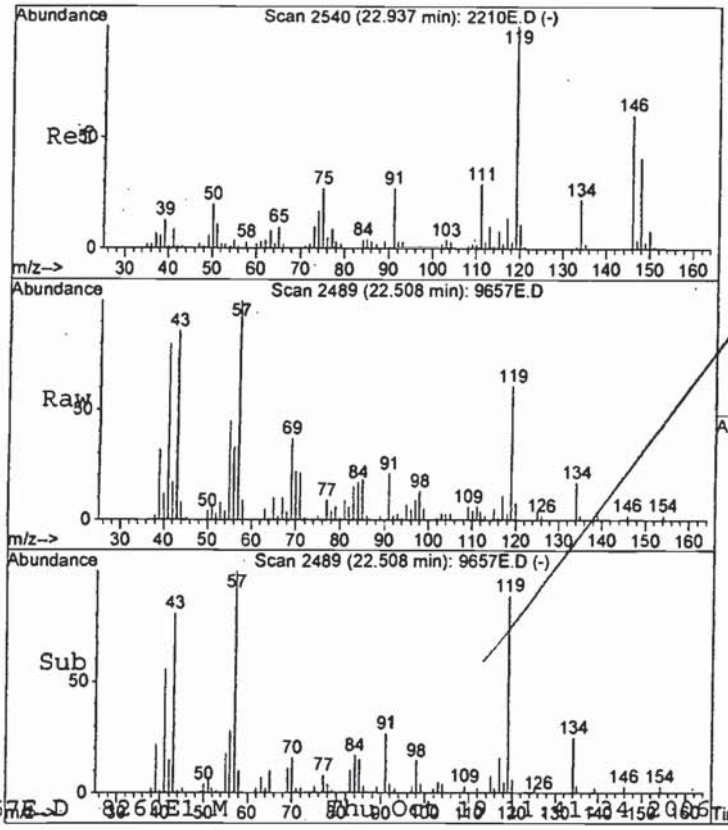




#74
sec-Butylbenzene
Concen: 3.64 UG/L
RT: 22.29 min Scan# 2463
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

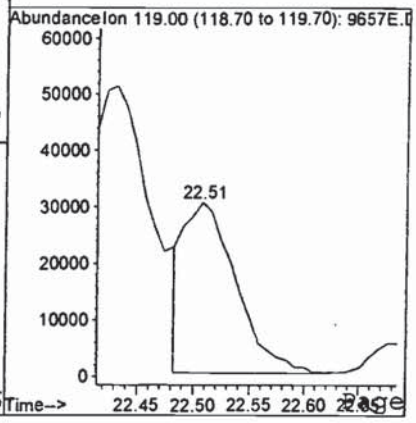
Tgt Ion:105 Resp: 158807

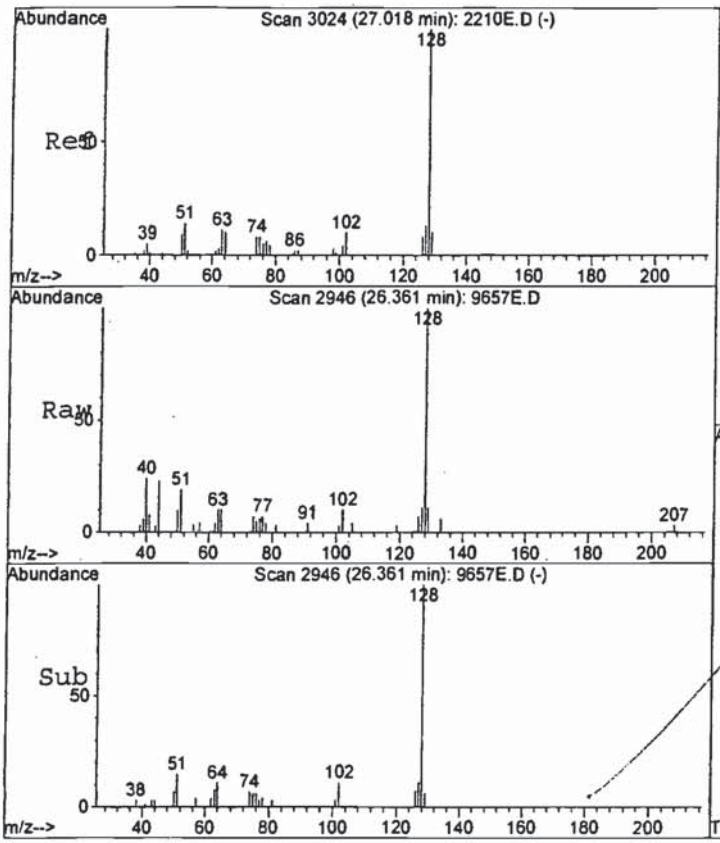




#75
p-Isopropyltoluene
Concen: 3.76 UG/L
RT: 22.51 min Scan# 2489
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:119 Resp: 98847

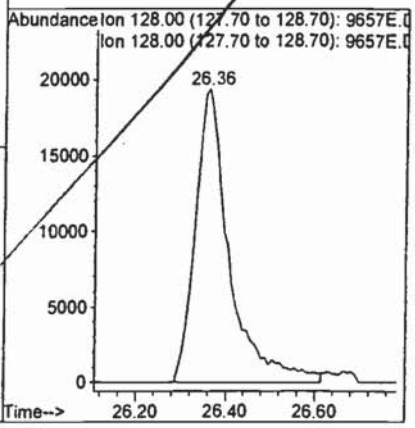




#82
Naphthalene
Concen: 5.62 UG/L
RT: 26.36 min Scan# 2946
Delta R.T. 0.03 min
Lab File: 9657E.D
Acq: 19 Oct 06 11:12

Tgt Ion:128 Resp: 101880

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



R510458 Heritage Environmental Services, LLC A749078

GC/MS VOA

Method SW846-8260B
Sample Description A2-WW-1(4')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.0
Analyst 1365 H. WILLIAMS
File 9634E.D Date/Time 17Oct06 10:16:00
Dilution Factor 5

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
67-64-1	99	ACETONE (2-PROPANONE)		BDL	0.10	MG/KG	
107-02-8	105	ACROLEIN		BDL	0.12	MG/KG	
107-13-1	106	ACRYLONITRILE		BDL	0.12	MG/KG	
71-43-2	151	BENZENE		BDL	0.025	MG/KG	
108-86-1	193	BROMOBENZENE		BDL	0.025	MG/KG	
74-97-5	194	BROMOCHLOROMETHANE		BDL	0.025	MG/KG	
75-27-4	195	BROMODICHLOROMETHANE		BDL	0.025	MG/KG	
75-25-2	197	BROMOFORM		BDL	0.025	MG/KG	
74-83-9	198	BROMOMETHANE		BDL	0.050	MG/KG	
104-51-8	519	N-BUTYLBENZENE	0.70 ~~1.50~~		0.025	MG/KG	
135-98-8	644	SEC-BUTYLBENZENE	1.5 ~~0.70~~		0.025	MG/KG	
98-06-6	702	TERT-BUTYLBENZENE		BDL	0.025	MG/KG	
75-15-0	216	CARBON DISULFIDE		BDL	0.025	MG/KG	
56-23-5	217	CARBON TETRACHLORIDE		BDL	0.025	MG/KG	
108-90-7	231	CHLOROBENZENE		BDL	0.025	MG/KG	
124-48-1	295	DIBROMOCHLOROMETHANE		BDL	0.025	MG/KG	
75-00-3	234	CHLOROETHANE		BDL	0.050	MG/KG	
67-66-3	235	CHLOROFORM		BDL	0.025	MG/KG	
74-87-3	236	CHLOROMETHANE		BDL	0.025	MG/KG	
95-49-8	807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)		BDL	0.025	MG/KG	
106-43-4	808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)		BDL	0.025	MG/KG	
110-75-8	54	2-CHLOROETHYLVINYLETHER		BDL	0.025	MG/KG	
96-12-8	19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)		BDL	0.025	MG/KG	
106-93-4	18	1,2-DIBROMOETHANE (EDB)		BDL	0.025	MG/KG	
74-95-3	296	DIBROMOMETHANE		BDL	0.025	MG/KG	
95-50-1	20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)		BDL	0.025	MG/KG	
541-73-1	26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)		BDL	0.025	MG/KG	
106-46-7	29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)		BDL	0.025	MG/KG	
75-71-8	300	DICHLORODIFLUOROMETHANE		BDL	0.025	MG/KG	
110-57-6	748	TRANS-1,4-DICHLORO-2-BUTENE		BDL	0.050	MG/KG	
75-34-3	7	1,1-DICHLOROETHANE		BDL	0.025	MG/KG	
107-06-2	21	1,2-DICHLOROETHANE		BDL	0.025	MG/KG	
75-35-4	8	1,1-DICHLOROETHENE		BDL	0.025	MG/KG	
156-59-2	246	CIS-1,2-DICHLOROETHENE	0.960		0.025	MG/KG	
156-60-5	746	TRANS-1,2-DICHLOROETHENE		BDL	0.025	MG/KG	
78-87-5	23	1,2-DICHLOROPROPANE		BDL	0.025	MG/KG	
142-28-9	27	1,3-DICHLOROPROPANE		BDL	0.025	MG/KG	
594-20-7	33	2,2-DICHLOROPROPANE		BDL	0.025	MG/KG	
10061-01-5	247	CIS-1,3-DICHLOROPROPENE		BDL	0.025	MG/KG	
563-58-6	10	1,1-DICHLOROPROPENE		BDL	0.025	MG/KG	
10061-02-6	747	TRANS-1,3-DICHLOROPROPENE		BDL	0.025	MG/KG	
100-41-4	349	ETHYL BENZENE	0.450		0.025	MG/KG	
97-63-2	351	ETHYL METHACRYLATE		BDL	0.25	MG/KG	
591-78-6	60	2-HEXANONE		BDL	0.025	MG/KG	
87-68-3	398	HEXACHLOROBUTADIENE		BDL	0.025	MG/KG	

R510458 Heritage Environmental Services, LLC A749078

GC/MS VOA

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
74-88-4	422	IODOMETHANE		BDL	0.025	MG/KG	
98-82-8	432	ISOPROPYLBENZENE (CUMENE)	1.80		0.025	MG/KG	
99-87-6	628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)		EX	0.025	MG/KG	
75-09-2	302	DICHLOROMETHANE (METHYLENE CHLORIDE)		BDL	0.025	MG/KG	
78-93-3	475	METHYL ETHYL KETONE		BDL	0.050	MG/KG	
1634-04-4	859	METHYL-T-BUTYL ETHER (MTBE)		BDL	0.025	MG/KG	
108-10-1	476	METHYL ISOBUTYL KETONE		BDL	0.050	MG/KG	
91-20-3	493	NAPHTHALENE	0.580		0.025	MG/KG	
103-65-1	532	N-PROPYLBENZENE		EX	0.025	MG/KG	
100-42-5	680	STYRENE		BDL	0.025	MG/KG	
630-20-6	1	1,1,1,2-TETRACHLOROETHANE		BDL	0.025	MG/KG	
79-34-5	3	1,1,2,2-TETRACHLOROETHANE		BDL	0.025	MG/KG	
127-18-4	703	TETRACHLOROETHENE	0.027		0.025	MG/KG	
108-88-3	724	TOLUENE	0.028		0.025	MG/KG	
87-61-6	13	1,2,3-TRICHLOROBENZENE		BDL	0.025	MG/KG	
120-82-1	16	1,2,4-TRICHLOROBENZENE		BDL	0.025	MG/KG	
71-55-6	2	1,1,1-TRICHLOROETHANE		BDL	0.025	MG/KG	
79-00-5	4	1,1,2-TRICHLOROETHANE		BDL	0.025	MG/KG	
79-01-6	750	TRICHLOROETHENE		BDL	0.025	MG/KG	
75-69-4	372	TRICHLOROFLUOROMETHANE		BDL	0.025	MG/KG	
96-18-4	14	1,2,3-TRICHLOROPROPANE		BDL	0.025	MG/KG	
95-63-6	17	1,2,4-TRIMETHYLBENZENE		EX	0.025	MG/KG	
108-67-8	25	1,3,5-TRIMETHYLBENZENE		EX	0.025	MG/KG	
108-05-4	767	VINYL ACETATE		BDL	0.025	MG/KG	
75-01-4	768	VINYL CHLORIDE		BDL	0.025	MG/KG	
1330-20-7	803	XYLENES (O/M/P-XYLENE)	1.50		0.025	MG/KG	
	1804	...					
	971	SURROGATE RECOVERY					
	972	----------					
17060-07-0	301	DICHLOROETHANE-D4	97			% RECOVERY	
2037-26-5	726	TOLUENE-D8	104			% RECOVERY	
460-00-4	196	4-BROMOFLUOROBENZENE	58 *			% RECOVERY	
1868-53-7	3362	DIBROMOFLUOROMETHANE	106			% RECOVERY	

Comment Dilution necessary due to high concentration of target compounds. * ISTD AREAS AND SURROGATE RECOVERY FAILS QC CRITERIA 1G Prep Method SW846-5030B Purge and Trap

Qualifiers

- * See Note for Parameter
- EX Exceeds calibration range. See Replicate
- BDL Below Detection Limit

Comments to Laboratory (do not record)

9OZ ROUND

**********REPORT ALL RESULTS IN MG/KG.**********

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:44 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

a Pass & Sum

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.90	96	1545569	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.53	117	1179898	50.00 UG/L	0.06
63) 1,4-Dichlorobenzene-d4	22.64	152	170327	50.00 UG/L	0.09
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.23	65	611101	48.73 UG/L	0.07
Spiked Amount 50.000	Range 40 - 60		Recovery = 97.46%#		
44) Toluene-d8	15.34	98	1430730	52.05 UG/L	0.08
Spiked Amount 50.000	Range 44 - 55		Recovery = 104.10%#		
47) Dibromofluoromethane	10.55	113	1051094	53.24 UG/L	0.09
Spiked Amount 50.000			Recovery = 106.48%		
50) 4-Bromofluorobenzene	20.72	95	652776	28.91 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 57.82%#		

Target Compounds					Qvalue
~~11) Acetone~~	6.56	43	8451	2.08 UG/L #	52
~~15) Carbon Disulfide~~	6.89	76	~~15947~~	~~1364.24~~ UG/L #	82
23) cis-1,2-Dichloroethene	9.65	96	1162121	95.84 UG/L #	76
~~34) Isobutanol~~	11.05	43	614	~~1.28~~ UG/L	100
~~36) N-Butanol~~	12.53	43	8663	~~36.30~~ UG/L	100
~~37) Trichloroethene~~	12.65	130	19719	1.53 UG/L	95
45) TOLUENE	15.50	91	85263	2.80 UG/L	100
~~48) 1,1,2-Trichloroethane~~ Bad Hit	16.36	97	74251	~~6.31 UG/L~~	100
~~52) 2-Hexanone~~ Bad Hit	16.87	43	882863	~~54.81~~ UG/L #	41
54) Tetrachloroethene	16.79	166	45572	2.73 UG/L	94
58) ETHYL BENZENE	18.80	106	452124	44.77 UG/L	91
59) m,p-Xylene	19.04	106	668277	57.65 UG/L #	71
60) o-Xylene	19.79	106	1127104	95.99 UG/L	81
~~61) Styrene~~ Bad Hit	19.80	104	68429	~~3.55 UG~~/L #	1
64) Isopropylbenzene	20.45	105	1437477	181.80 UG/L	100
~~65) 1,1,2,2-Tetrachloroethane~~ Bad Hit	20.87	83	146594	~~25.17 UG/L~~ #	100
~~66) Bromobenzene~~ Bad Hit	20.84	77	45466	~~4.82~~ UG/L	100
~~67) 1,2,3-Trichloropropane~~	20.99	110	63767	~~55.35~~ UG/L	100
68) n-Propylbenzene	21.17	92	416273	335.52 UG/L	87
69) 1,3,5-Trimethylbenzene	21.32	105	5123448	887.71 UG/L	100
~~70) 2-Chlorotoluene~~ Bad Hit	21.20	126	10282	~~4.43~~ UG/L	100
~~71) 4-Chlorotoluene~~	21.40	126	13632	6.30 UG/L	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:44 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
~~72) t-Butylbenzene~~ Bad IY	21.80	119	63682	~~9.70 UG~~/L	100
73) 1,2,4-Trimethylbenzene	22.07	105	5583513	1001.06 UG/L	100
74) sec-Butylbenzene	22.34	105	1357280	146.03 UG/L	100
75) p-Isopropyltoluene	22.50	119	1200383	214.61 UG/L	100
78) n-Butylbenzene	23.06	92	262772	70.32 UG/L #	42
82) Naphthalene	26.41	128	223130	57.80 UG/L	100

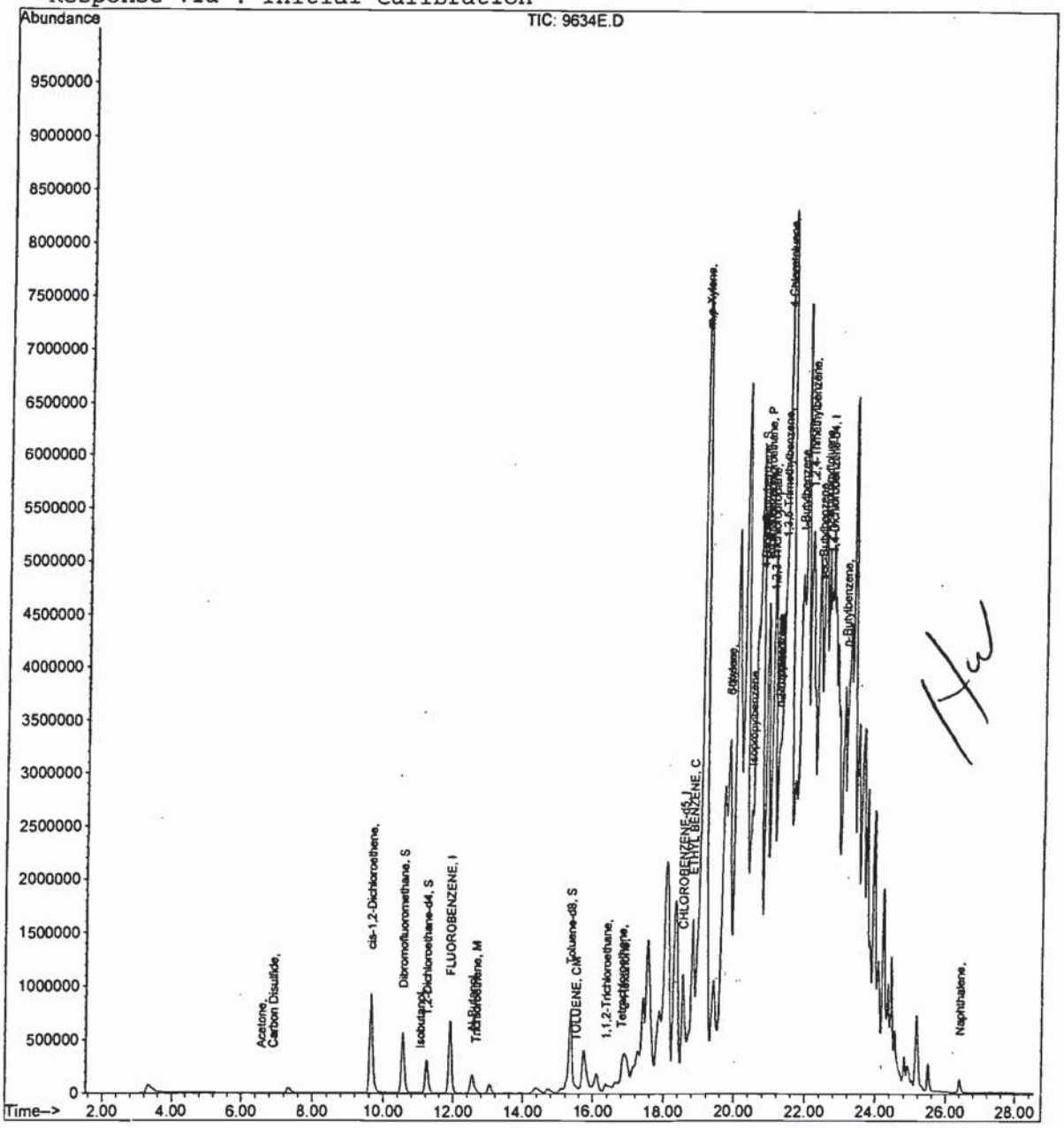
(#) = qualifier out of range (m) = manual integration

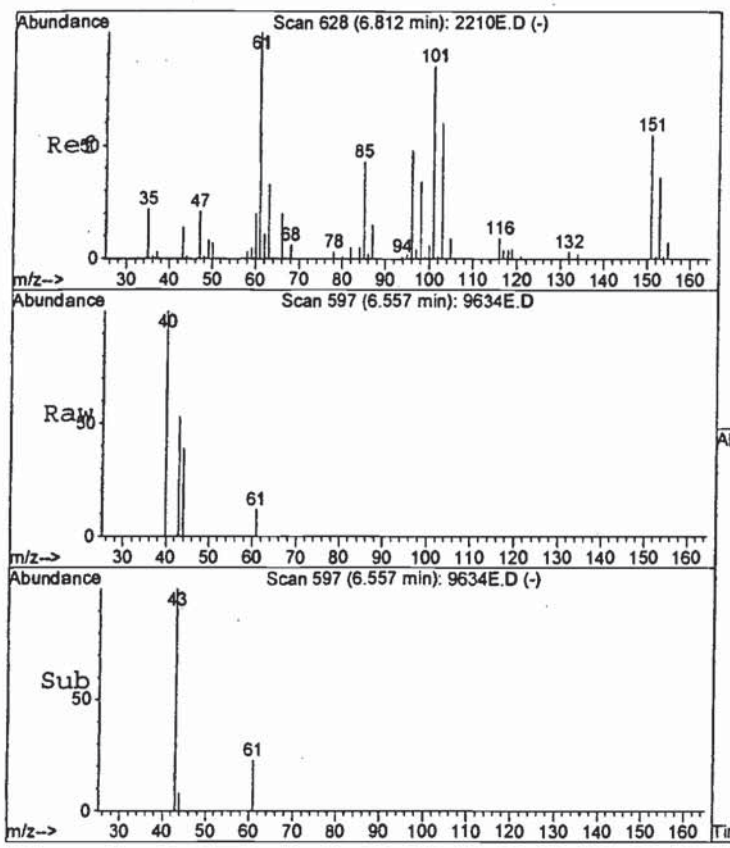
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:44 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

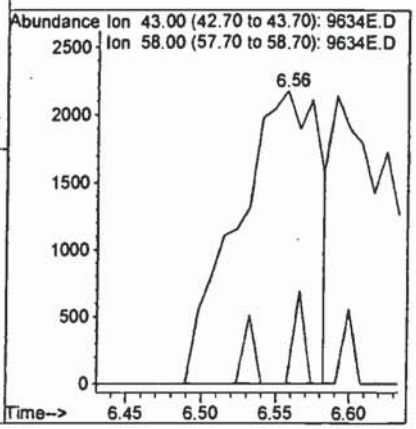


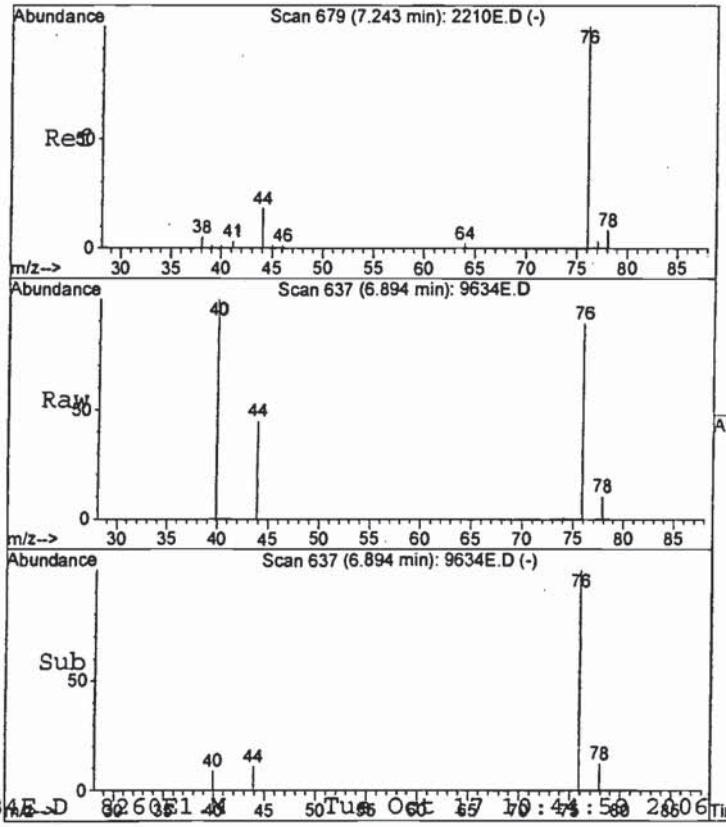


#11
Acetone
Concen: 2.08 UG/L
RT: 6.56 min Scan# 597
Delta R.T. 0.07 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 43 Resp: 8451

Ion	Ratio	Lower	Upper
43	100		
58	4.1	24.4	36.6#

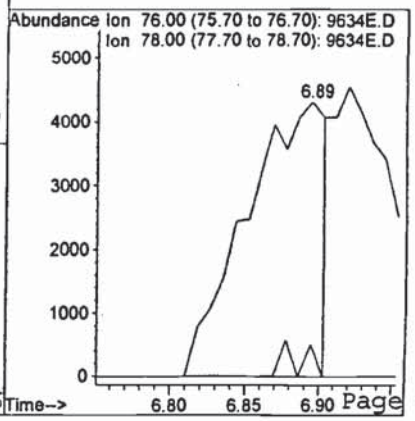


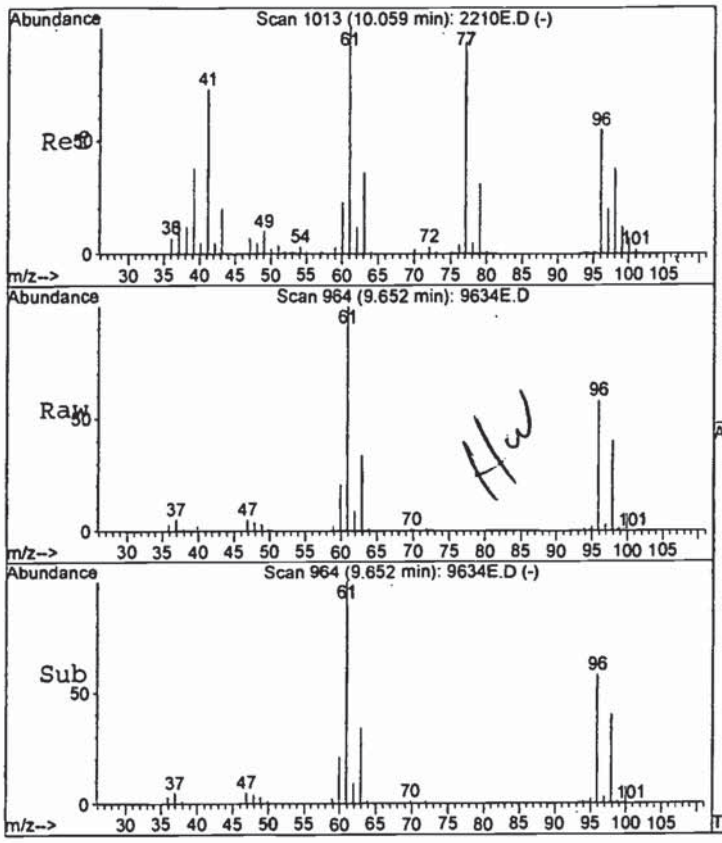


#15
Carbon Disulfide
Concen: 1364.24 UG/L
RT: 6.89 min Scan# 637
Delta R.T. 0.09 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 76 Resp: 15947

Ion	Ratio	Lower	Upper
76	100		
78	3.4	8.2	12.2#

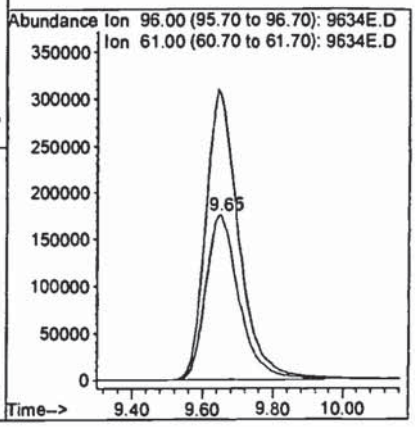


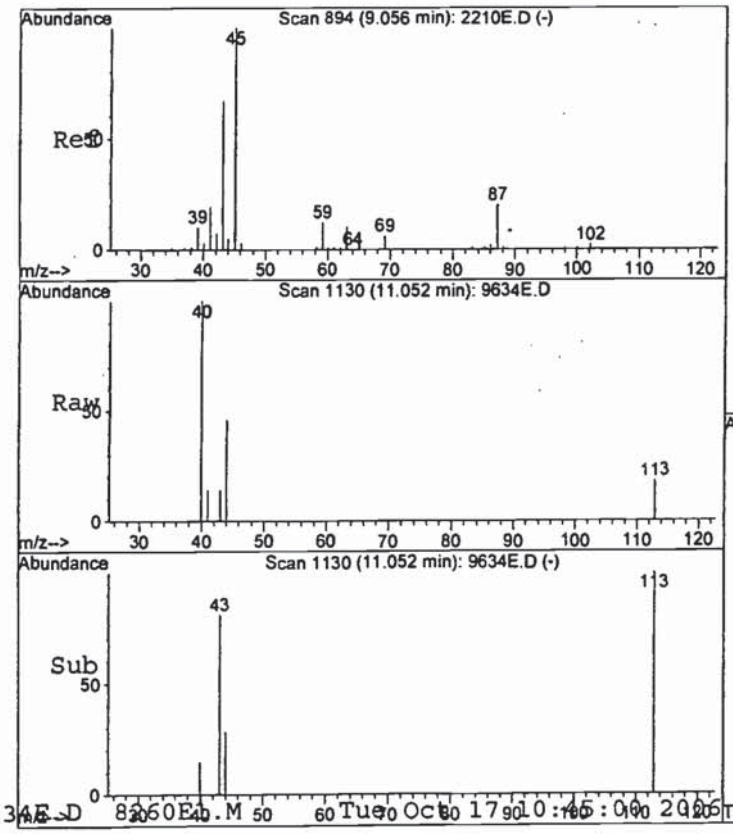


#23
cis-1,2-Dichloroethene
Concen: 95.84 UG/L
RT: 9.65 min Scan# 964
Delta R.T. 0.09 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 96 Resp: 1162121

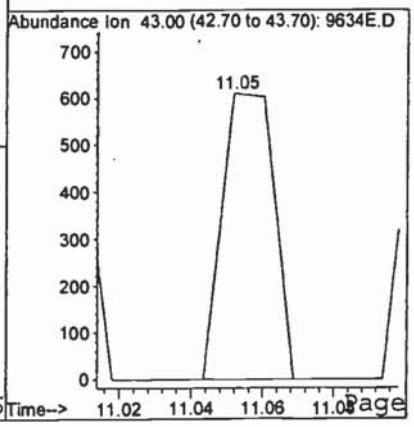
Ion	Ratio	Lower	Upper
96	100		
61	173.9	115.0	172.6#

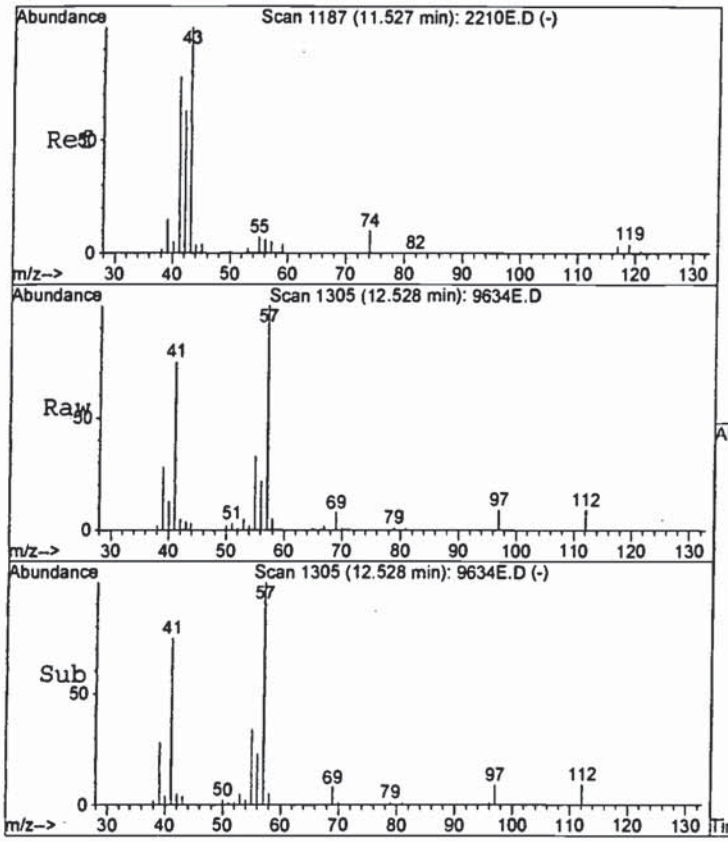




#34
Isobutanol
Concen: 1.28 UG/L
RT: 11.05 min Scan# 1130
Delta R.T. 0.03 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

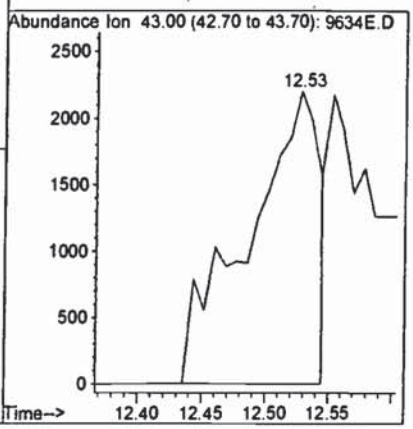
Tgt Ion: 43 Resp: 614

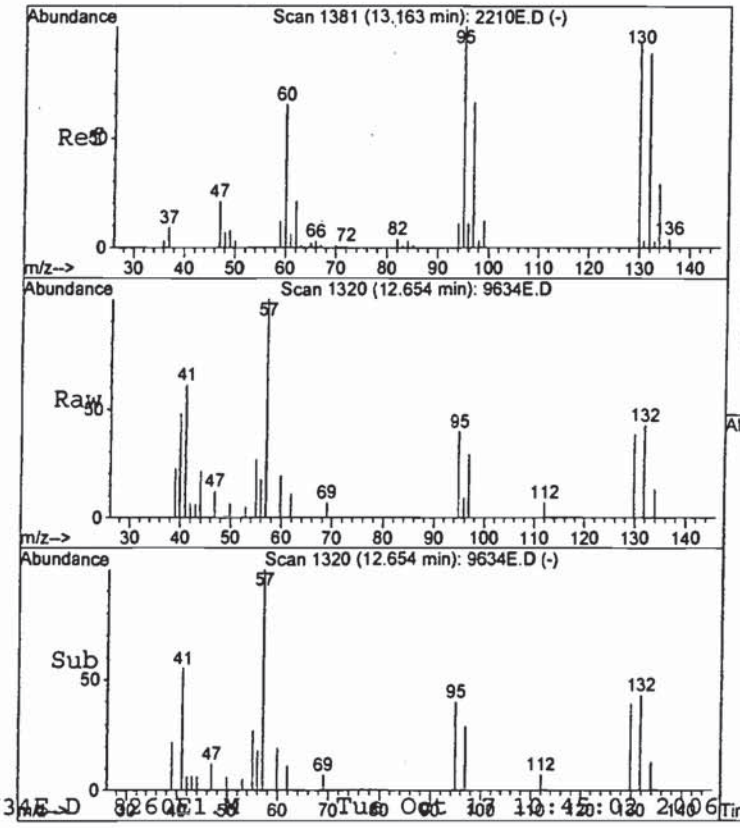




#36
N-Butanol
Concen: 36.30 UG/L
RT: 12.53 min Scan# 1305
Delta R.T. 0.16 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 43 Resp: 8663

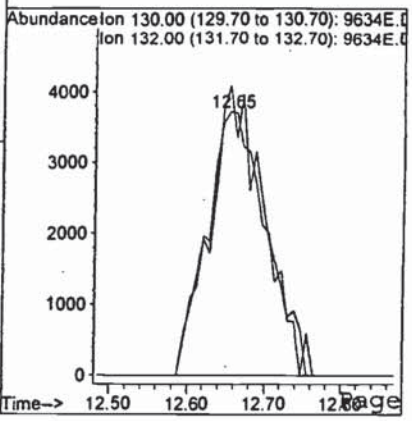


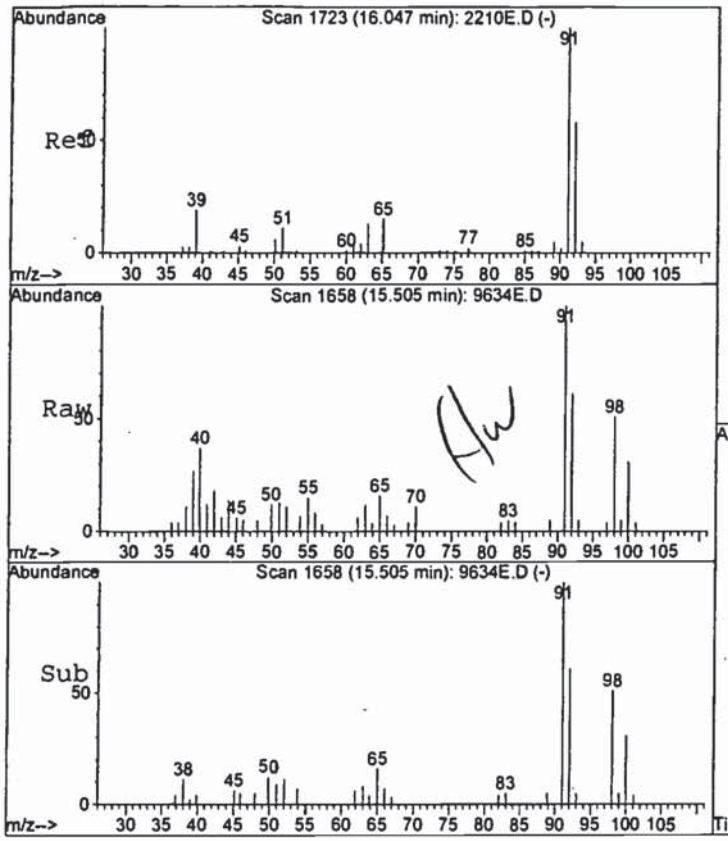


#37
Trichloroethene
Concen: 1.53 UG/L
RT: 12.65 min Scan# 1320
Delta R.T. 0.08 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:130 Resp: 19719

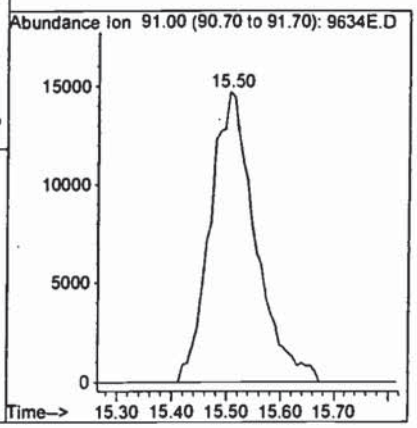
Ion	Ratio	Lower	Upper
130	100		
132	101.8	77.4	116.2

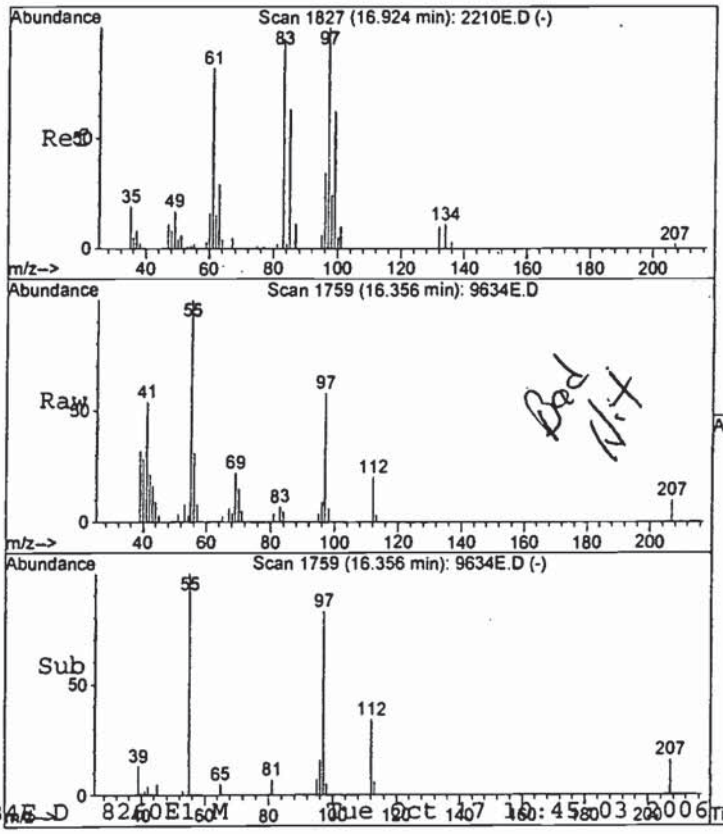




#45
TOLUENE
Concen: 2.80 UG/L
RT: 15.50 min Scan# 1658
Delta R.T. 0.08 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

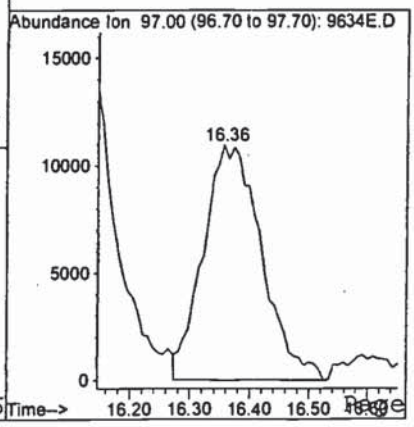
Tgt Ion: 91 Resp: 85263

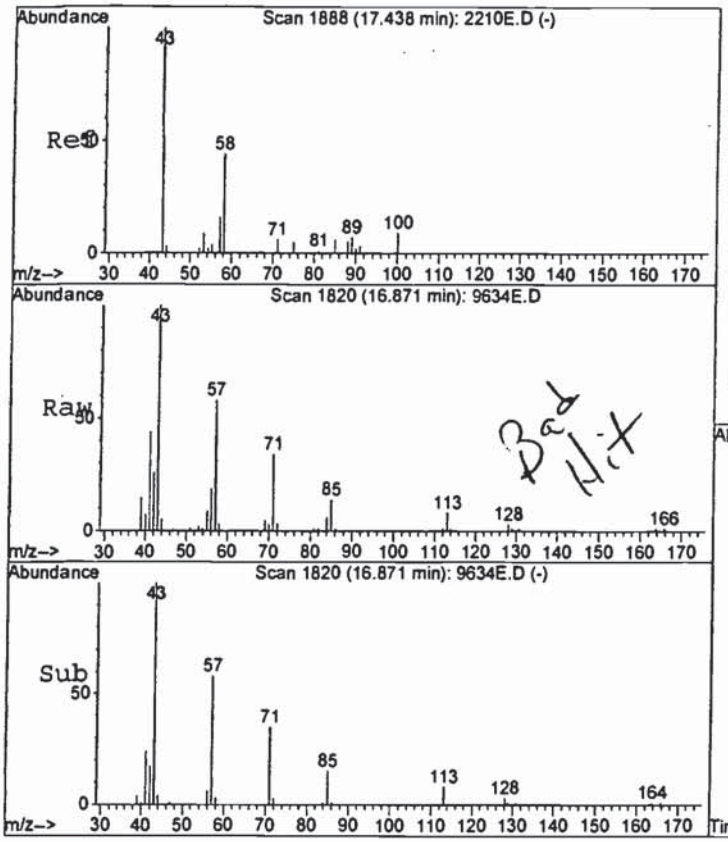




#48
1,1,2-Trichloroethane
Concen: 6.31 UG/L
RT: 16.36 min Scan# 1759
Delta R.T. -0.00 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 97 Resp: 74251

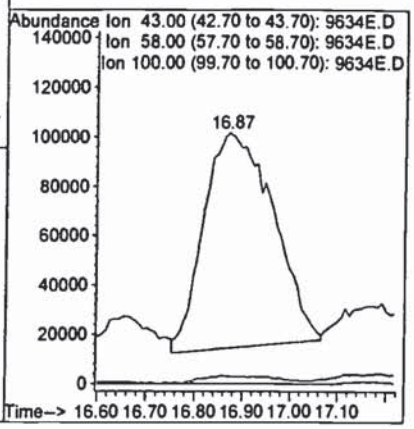


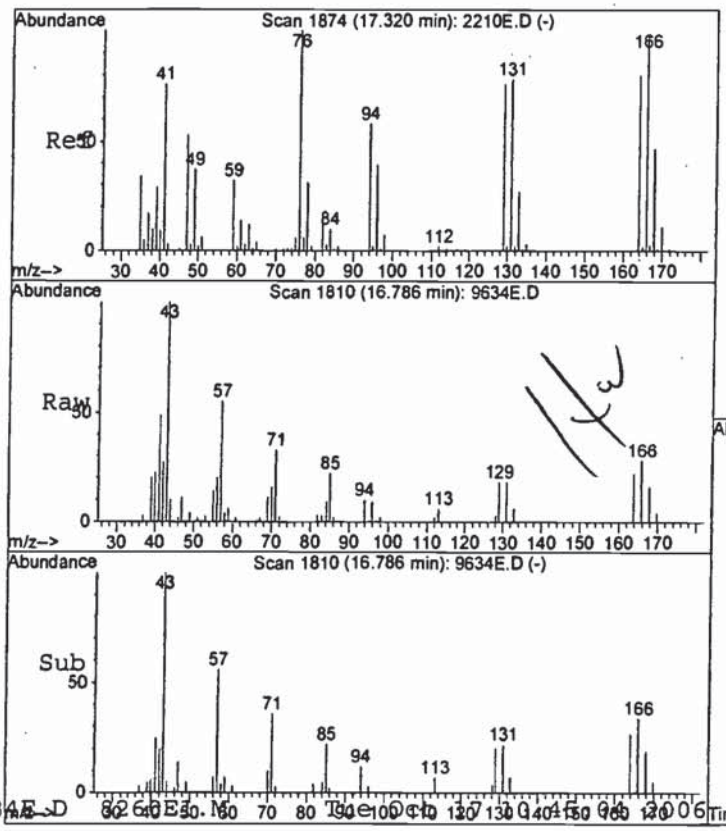


#52
2-Hexanone
Concen: 54.81 UG/L
RT: 16.87 min Scan# 1820
Delta R.T. -0.05 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 43 Resp: 882863

Ion	Ratio	Lower	Upper
43	100		
58	2.2	37.3	55.9#
100	0.0	10.5	15.7#

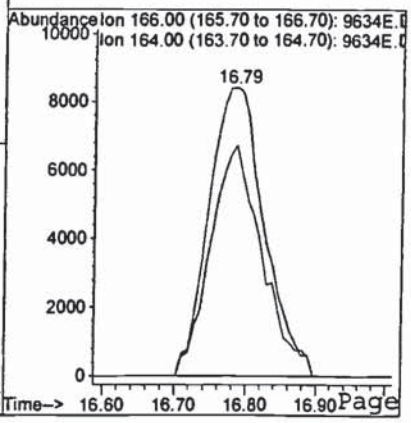


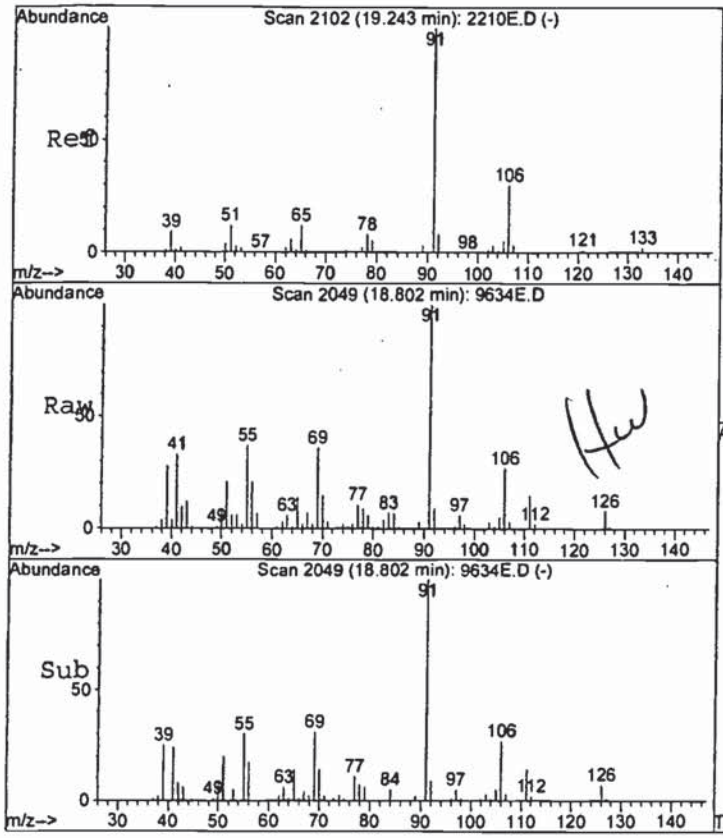


#54
Tetrachloroethene
Concen: 2.73 UG/L
RT: 16.79 min Scan# 1810
Delta R.T. 0.08 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:166 Resp: 45572

Ion	Ratio	Lower	Upper
166	100		
164	74.7	64.1	96.1

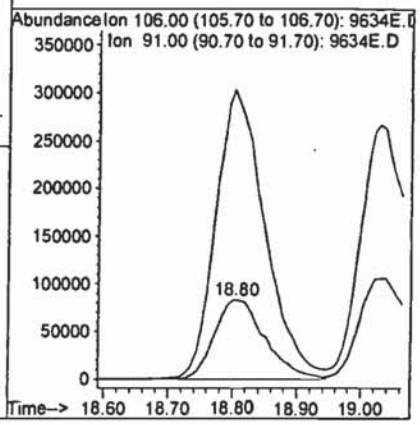


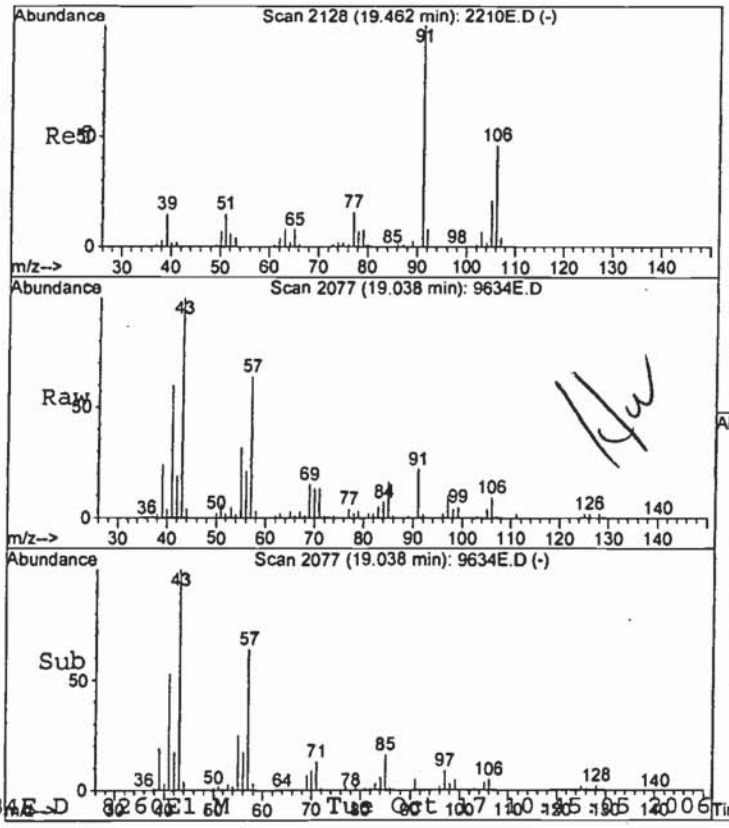


#58
ETHYL BENZENE
Concen: 44.77 UG/L
RT: 18.80 min Scan# 2049
Delta R.T. 0.06 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:106 Resp: 452124

Ion	Ratio	Lower	Upper
106	100		
91	354.5	269.1	403.7

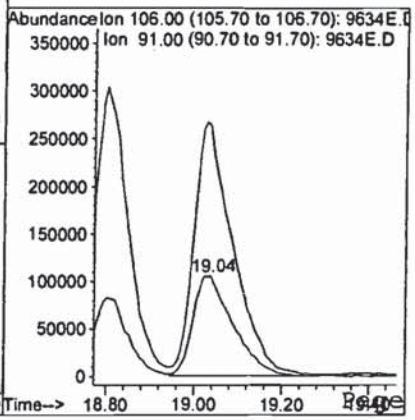


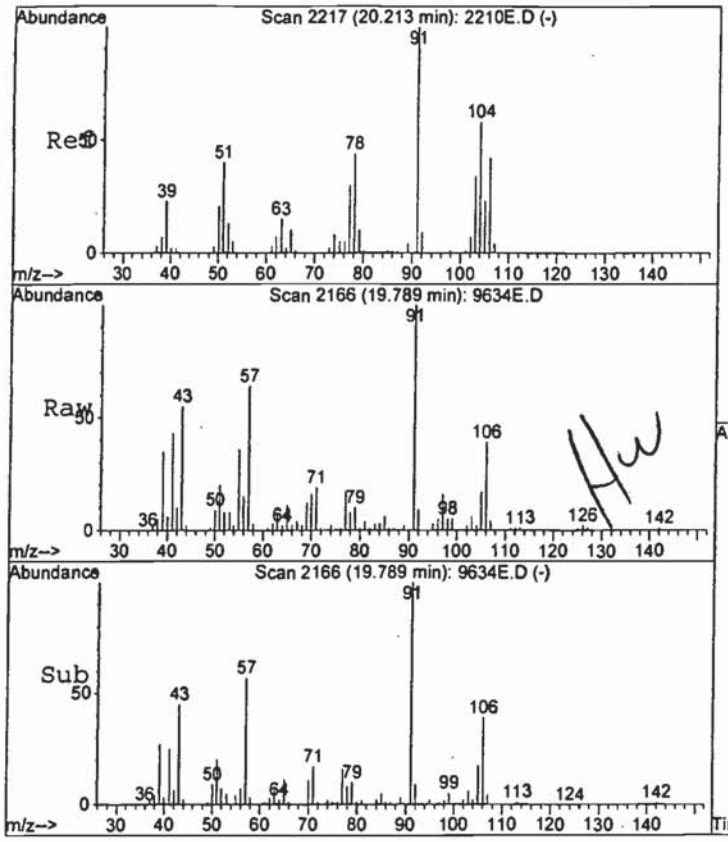


#59
m,p-Xylene
Concen: 57.65 UG/L
RT: 19.04 min Scan# 2077
Delta R.T. 0.06 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:106 Resp: 668277

Ion	Ratio	Lower	Upper
106	100		
91	242.7	159.5	239.3#

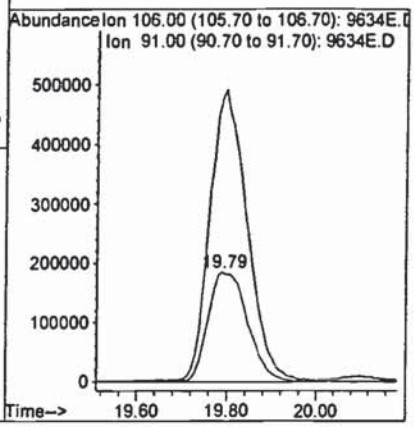


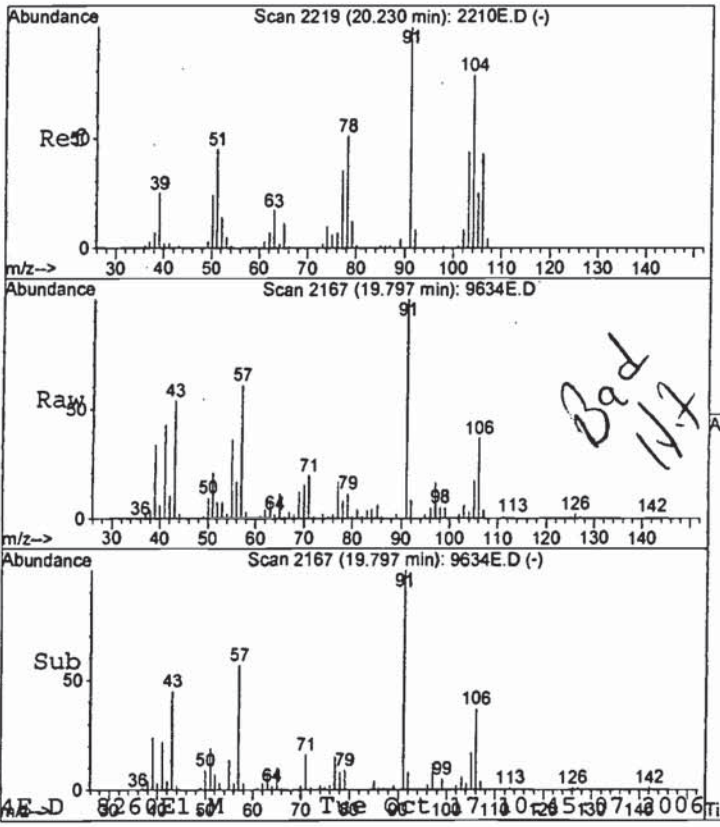


#60
o-Xylene
Concen: 95.99 UG/L
RT: 19.79 min Scan# 2166
Delta R.T. 0.07 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:106 Resp: 1127104

Ion	Ratio	Lower	Upper
106	100		
91	246.6	173.6	260.4

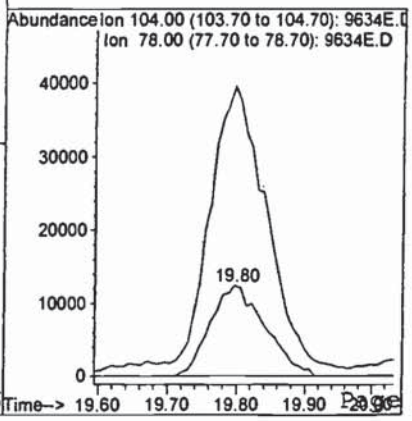


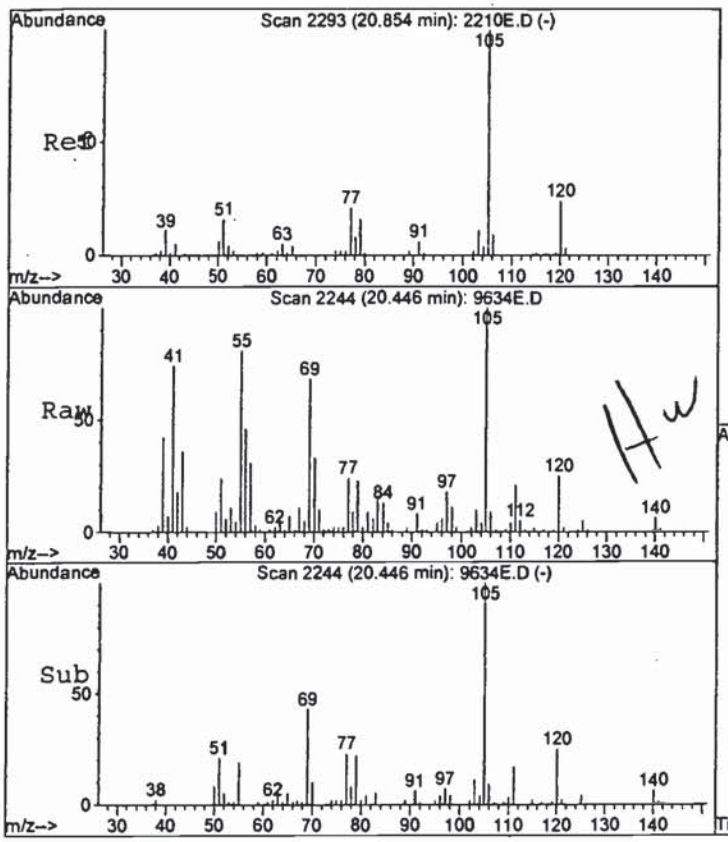


#61
Styrene
Concen: 3.55 UG/L
RT: 19.80 min Scan# 2167
Delta R.T. 0.05 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:104 Resp: 68429

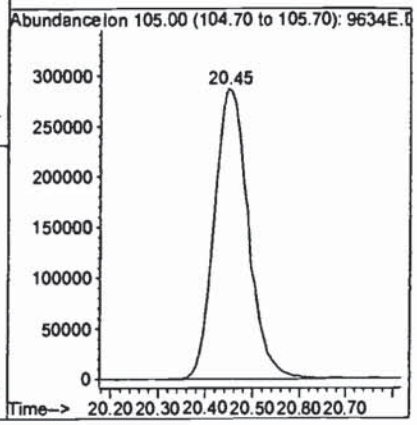
Ion	Ratio	Lower	Upper
104	100		
78	321.5	30.8	46.2#

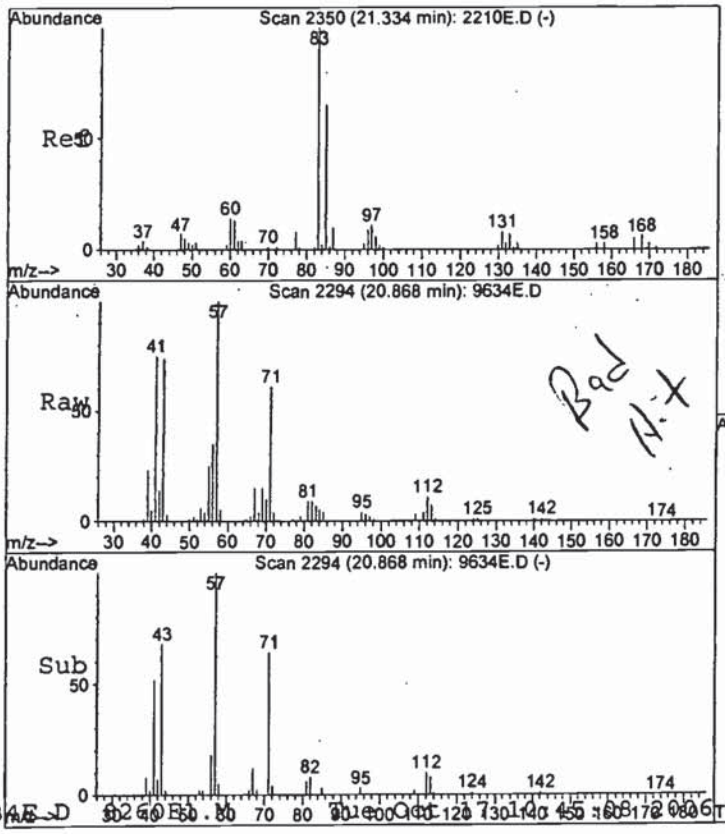




#64
Isopropylbenzene
Concen: 181.80 UG/L
RT: 20.45 min Scan# 2244
Delta R.T. 0.06 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:105 Resp: 1437477

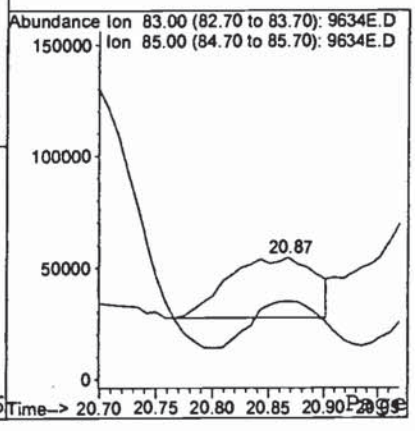


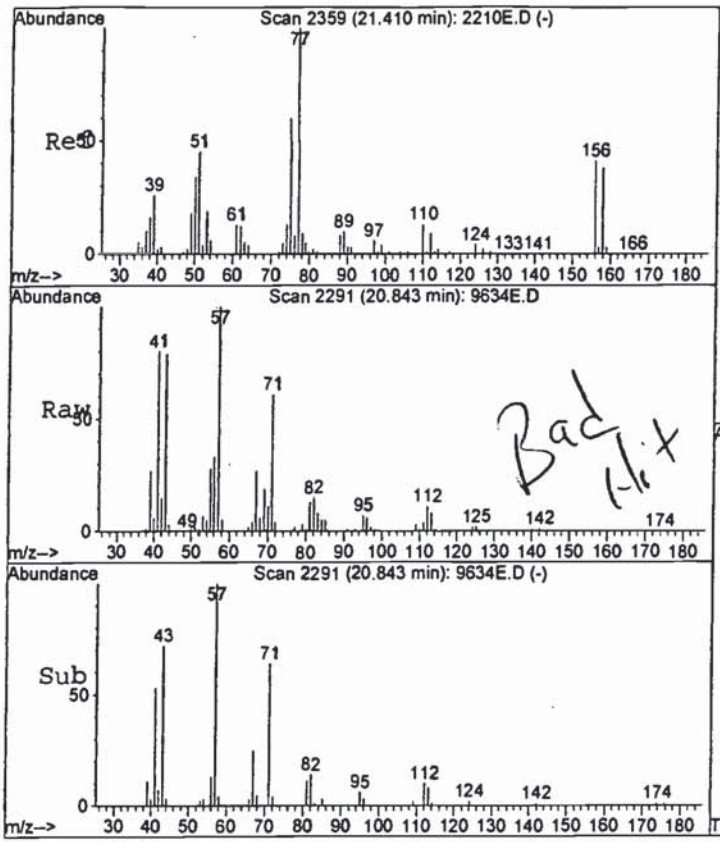


#65
1,1,2,2-Tetrachloroethane
Concen: 25.17 UG/L
RT: 20.87 min Scan# 2294
Delta R.T. -0.03 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 83 Resp: 146594

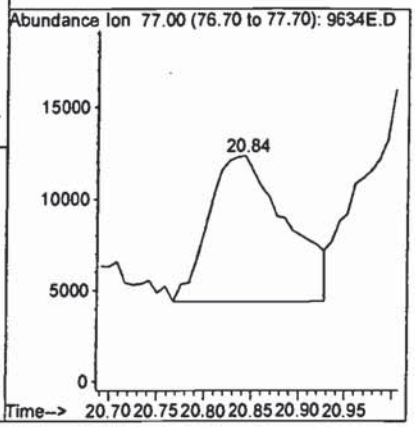
Ion	Ratio	Lower	Upper
83	100		
85	68.4	0.0	0.0#

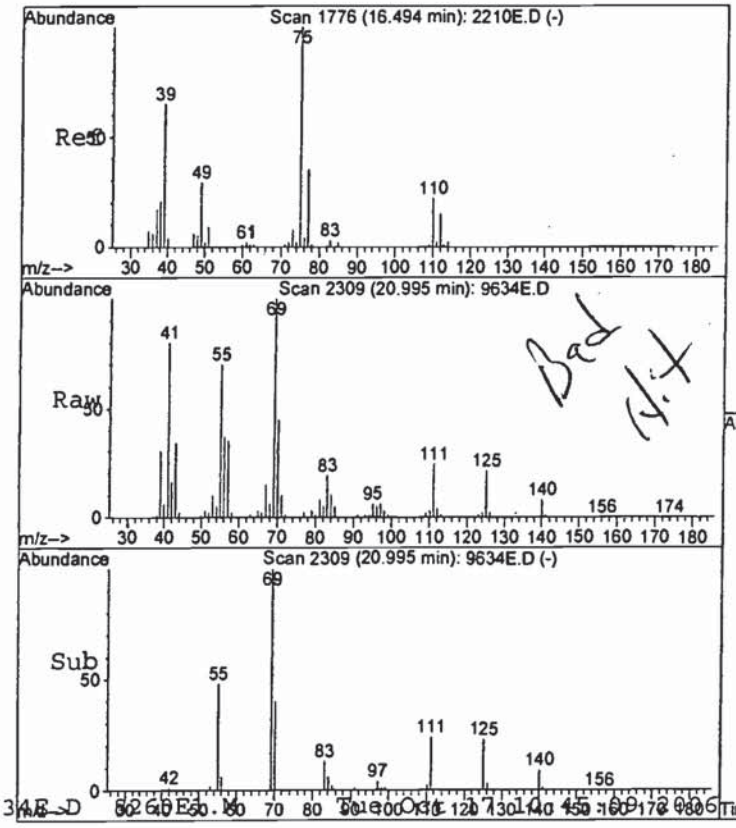




#66
Bromobenzene
Concen: 4.82 UG/L
RT: 20.84 min Scan# 2291
Delta R.T. -0.09 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

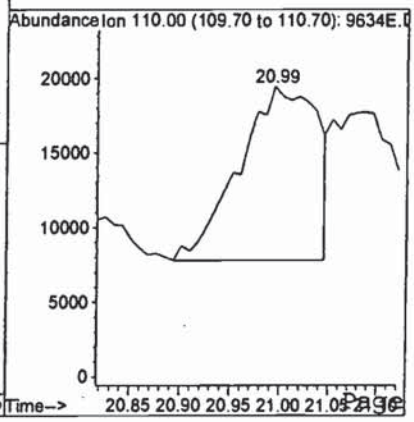
Tgt Ion: 77 Resp: 45466

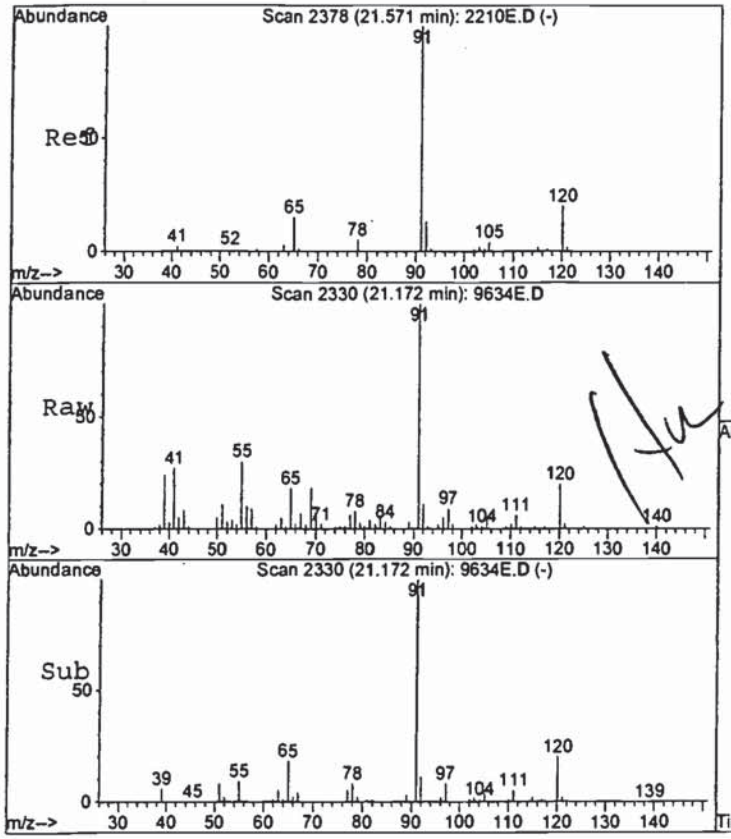




#67
1,2,3-Trichloropropane
Concen: 55.35 UG/L
RT: 20.99 min Scan# 2309
Delta R.T. 0.01 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:110 Resp: 63767

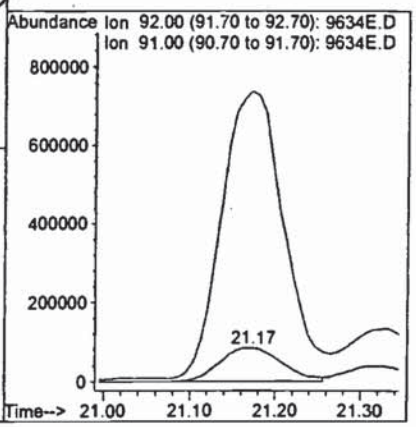


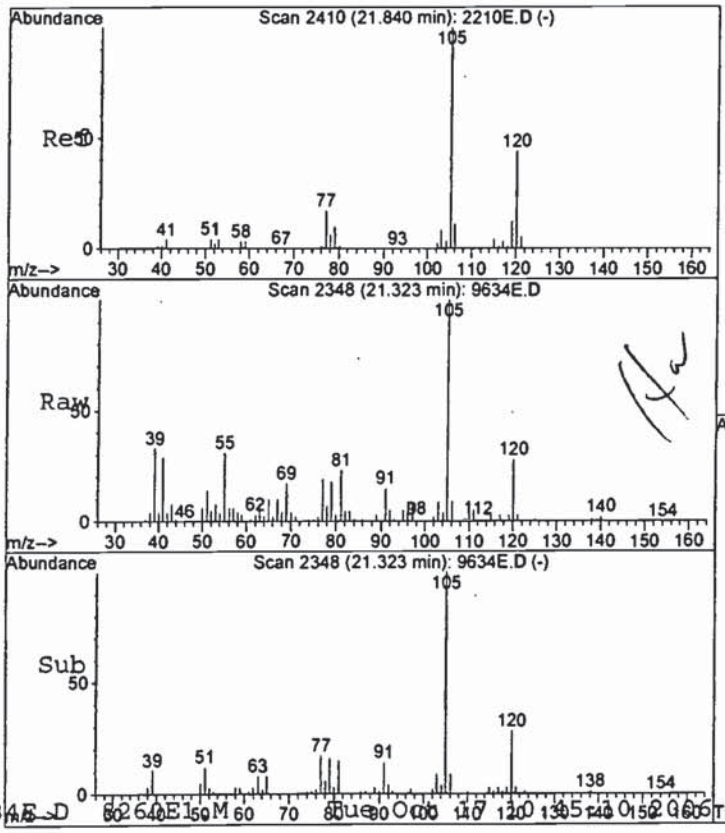


#68
n-Propylbenzene
Concen: 335.52 UG/L
RT: 21.17 min Scan# 2330
Delta R.T. 0.08 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 92 Resp: 416273

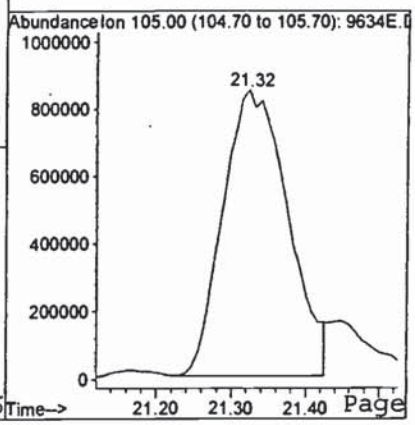
Ion	Ratio	Lower	Upper
92	100		
91	888.3	755.4	1133.2

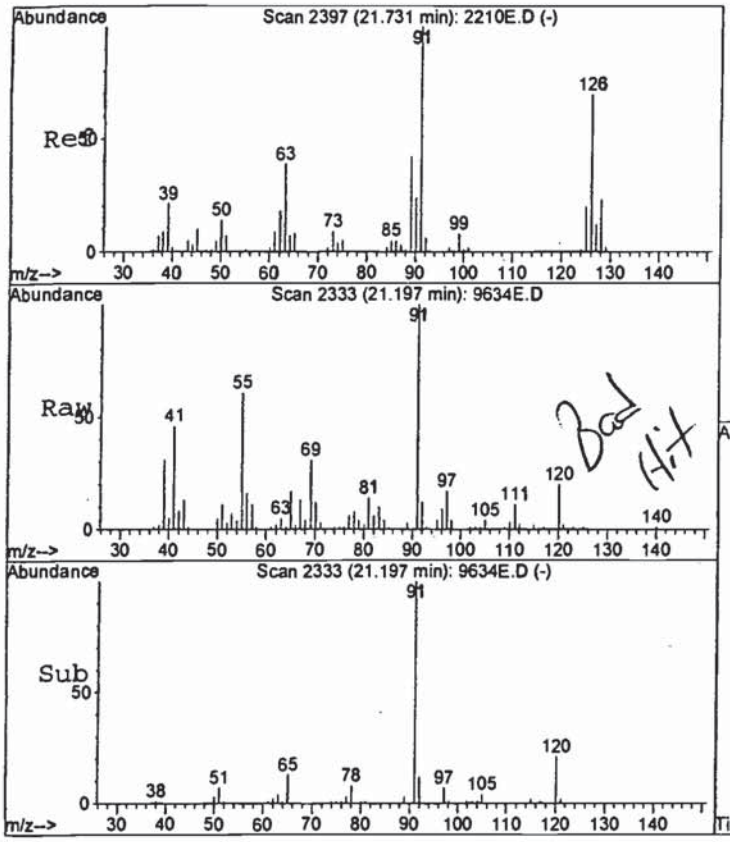




#69
1,3,5-Trimethylbenzene
Concen: 887.71 UG/L
RT: 21.32 min Scan# 2348
Delta R.T. -0.05 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

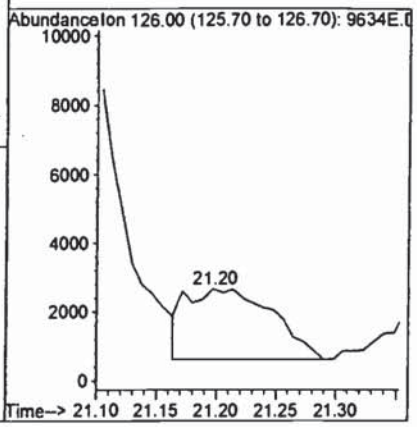
Tgt Ion:105 Resp: 5123448

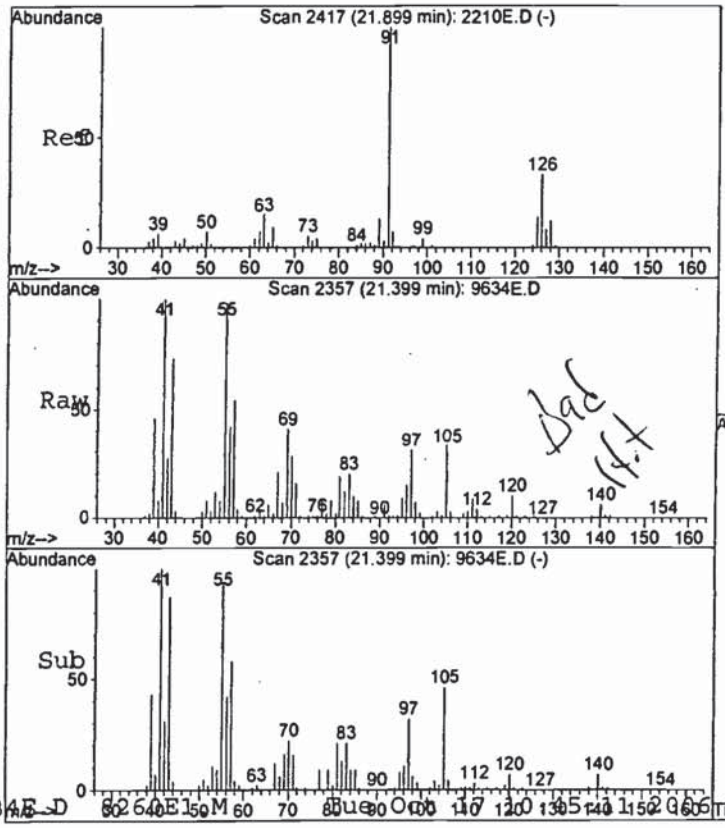




#70
2-Chlorotoluene
Concen: 4.43 UG/L
RT: 21.20 min Scan# 2333
Delta R.T. -0.05 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

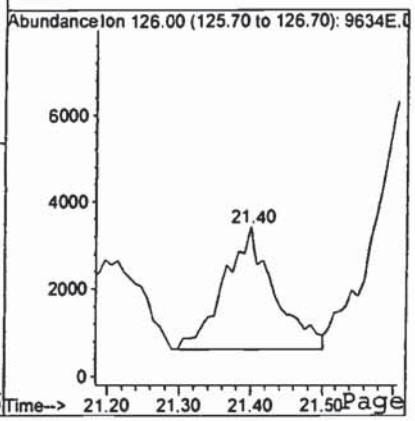
Tgt Ion:126 Resp: 10282

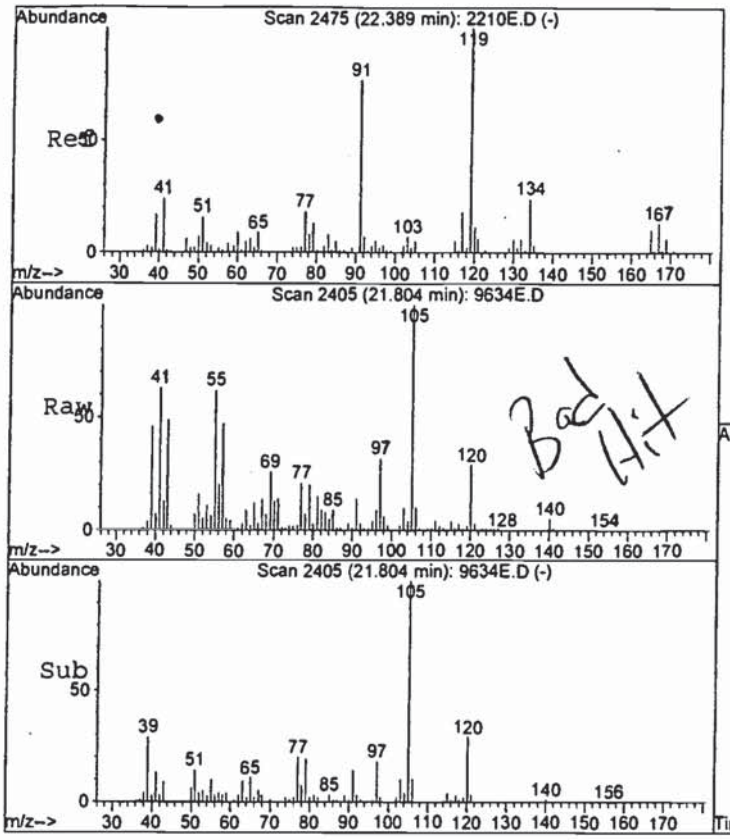




#71
4-Chlorotoluene
Concen: 6.30 UG/L
RT: 21.40 min Scan# 2357
Delta R.T. -0.02 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:126 Resp: 13632

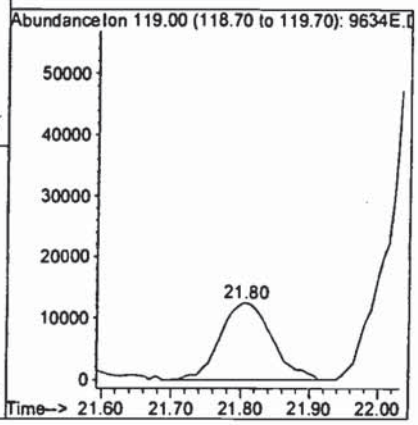


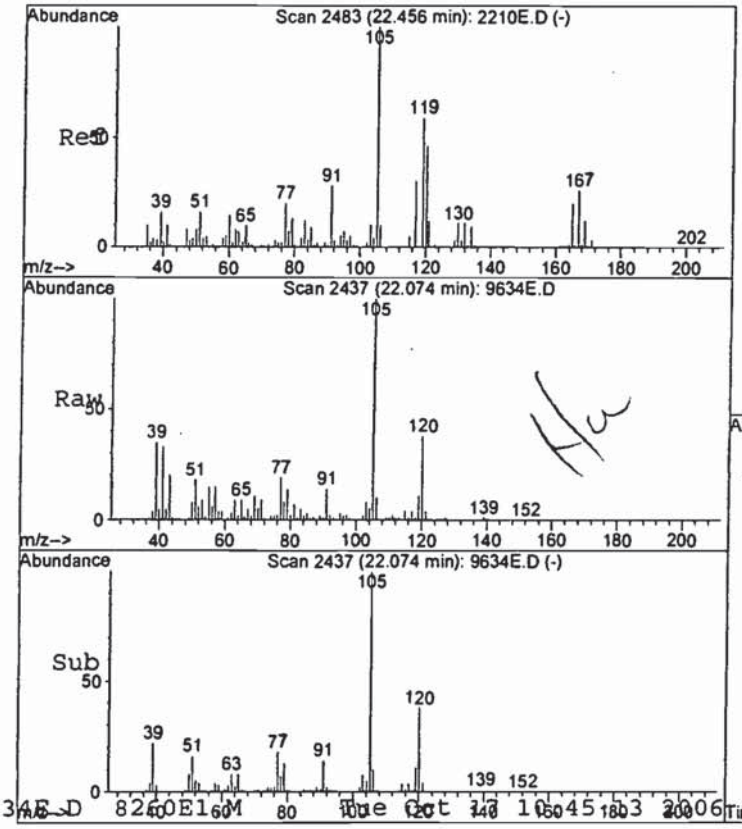


#72
t-Butylbenzene
Concen: 9.78 UG/L
RT: 21.80 min Scan# 2405
Delta R.T. -0.10 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:119 Resp: 63682

Bad Hit

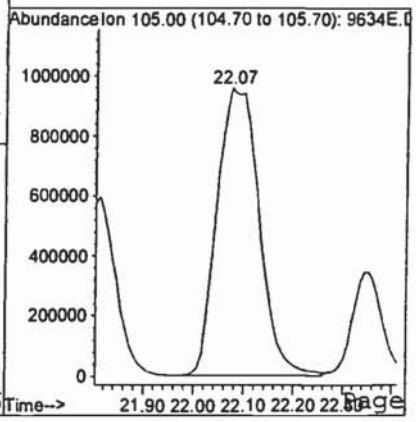


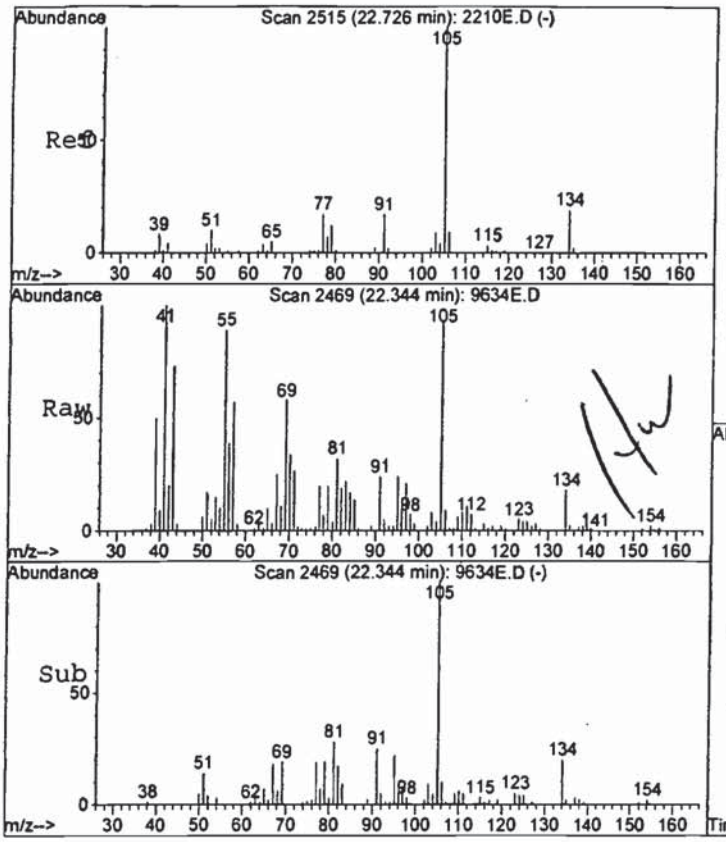


#73
1,2,4-Trimethylbenzene
Concen: 1001.06 UG/L
RT: 22.07 min Scan# 2437
Delta R.T. 0.09 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:105 Resp: 5583513

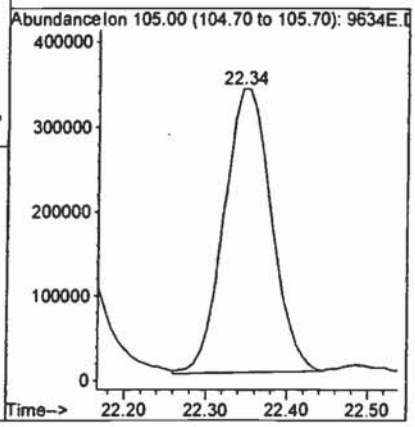
Hit

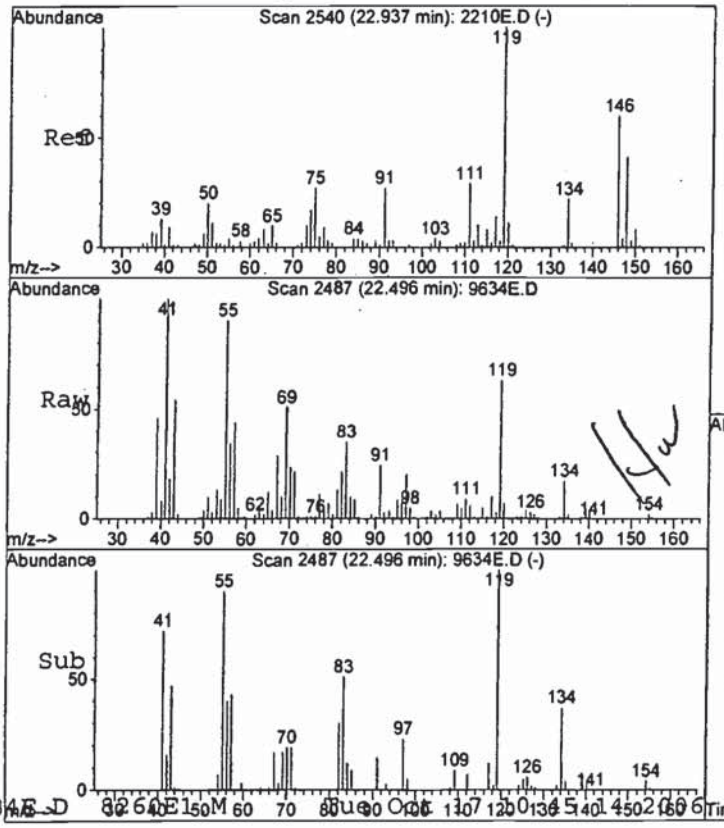




#74
sec-Butylbenzene
Concen: 146.03 UG/L
RT: 22.34 min Scan# 2469
Delta R.T. 0.09 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

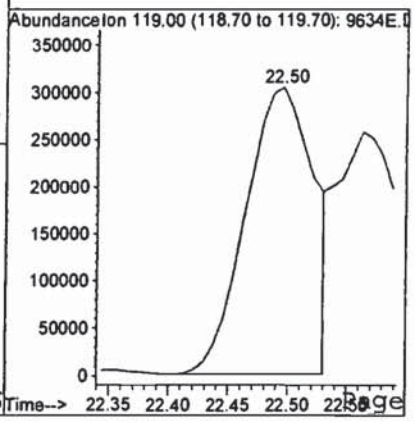
Tgt Ion:105 Resp: 1357280

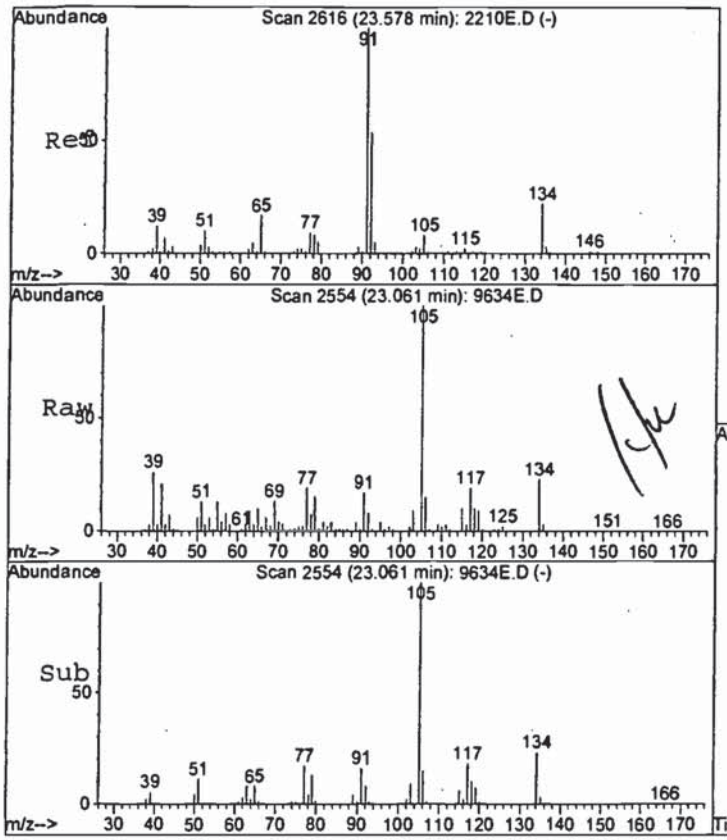




#75
p-Isopropyltoluene
Concen: 214.61 UG/L
RT: 22.50 min Scan# 2487
Delta R.T. 0.02 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:119 Resp: 1200383

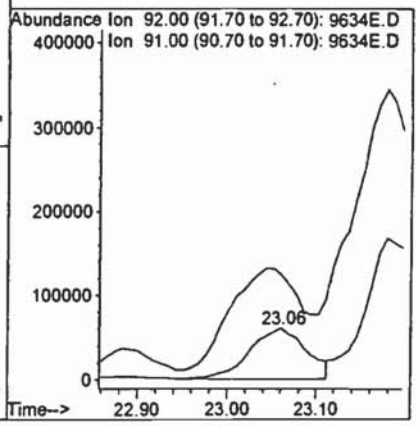


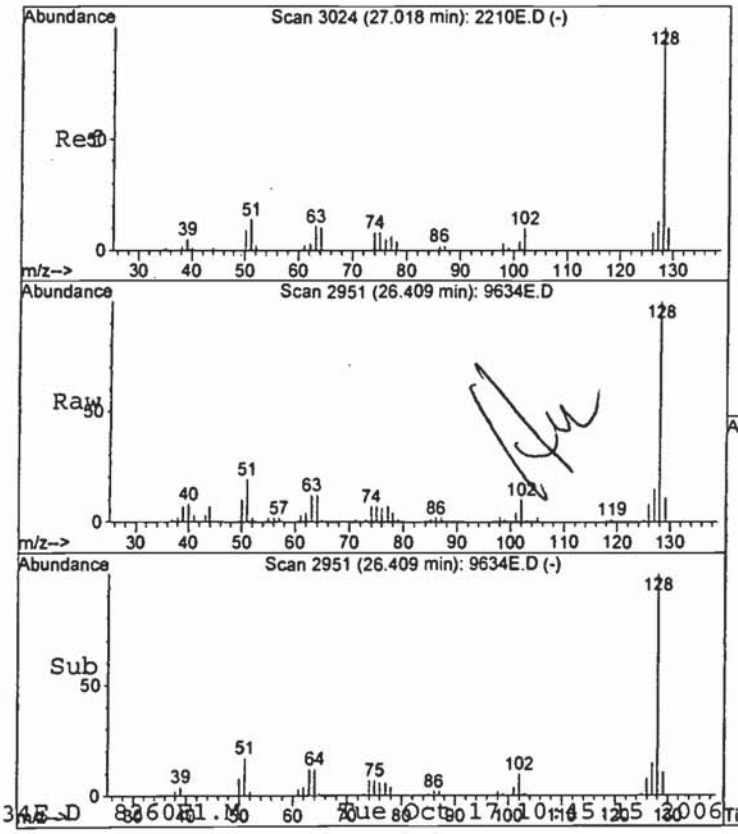


#78
n-Butylbenzene
Concen: 70.32 UG/L
RT: 23.06 min Scan# 2554
Delta R.T. -0.04 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 92 Resp: 262772

Ion	Ratio	Lower	Upper
92	100		
91	246.9	134.6	201.8#

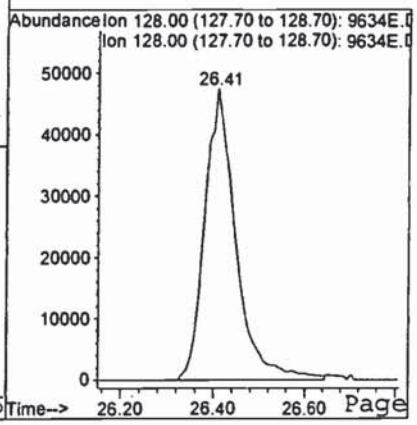




#82
Naphthalene
Concen: 57.80 UG/L
RT: 26.41 min Scan# 2951
Delta R.T. 0.08 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion:128 Resp: 223130

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0

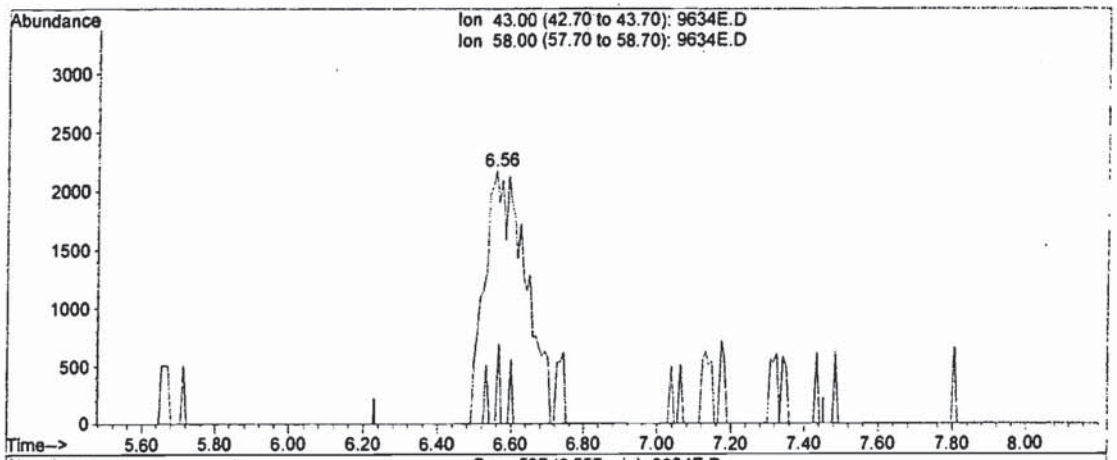


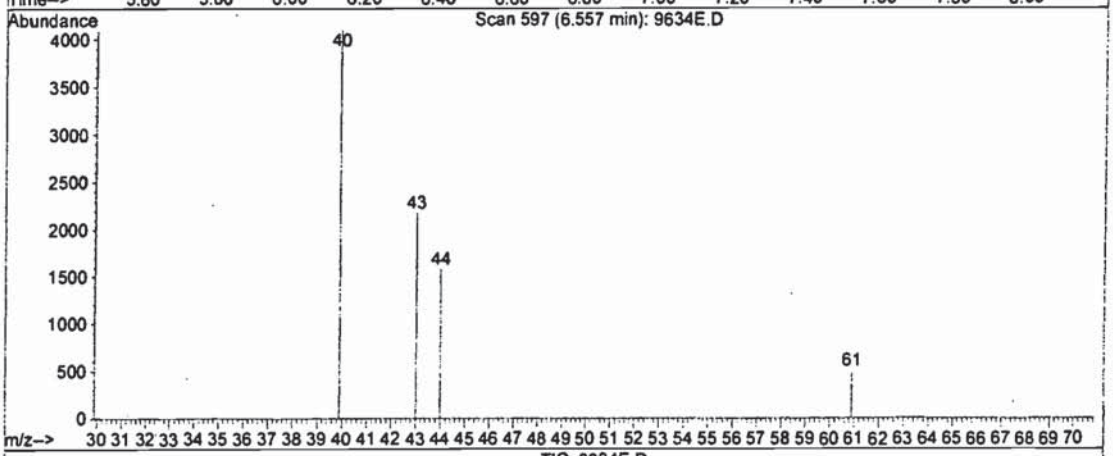
Quantitation Report

Data File : E:\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
Quant Time: Oct 19 9:20 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





TIC: 9634E.D

(11) Acetone

6.56min 4.16UG/L m

response 16865

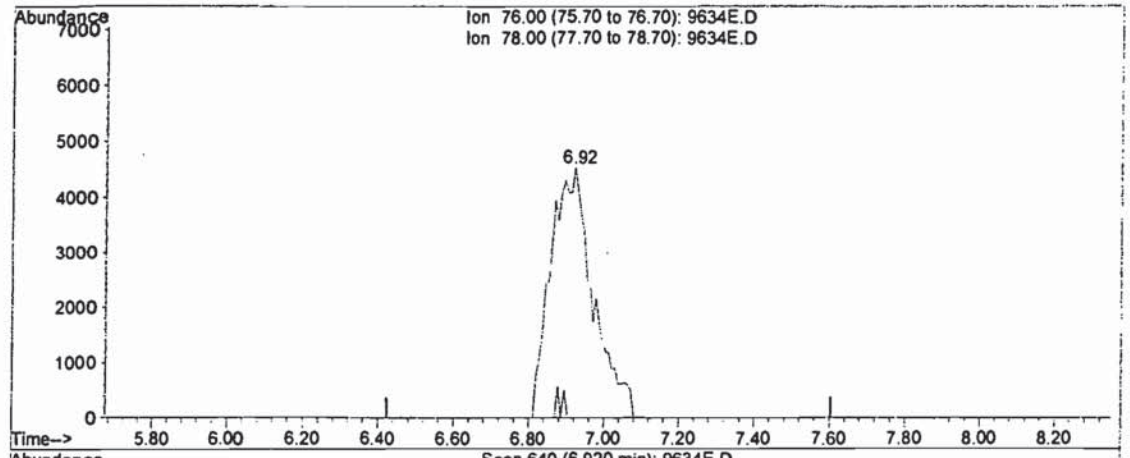
Ion	Exp%	Act%
43.00	100	100
58.00	30.50	2.08#
0.00	0.00	0.00
0.00	0.00	0.00

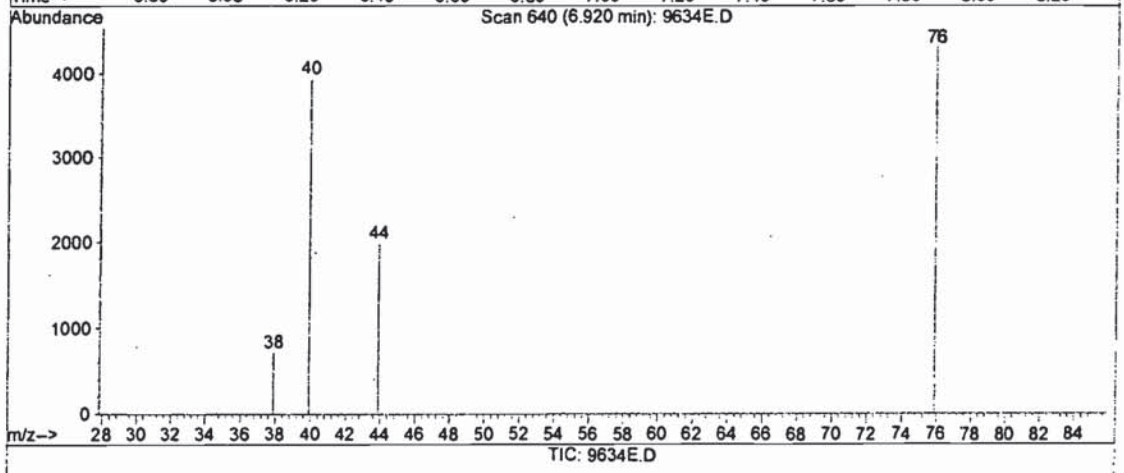
Quantitation Report

Data File : E:\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
Quant Time: Oct 19 9:20 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(15) Carbon Disulfide

6.92min 1363.66UG/L m

response 35592

Ion	Exp%	Act%
76.00	100	100
78.00	10.20	1.53#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : E:\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:27 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.90	96	1545569	50.00 UG/L	0.04
9) CHLOROBENZENE-d5	18.53	117	1179898	50.00 UG/L	0.03
11) 1,4-Dichlorobenzene-d4	22.64	152	170327	50.00 UG/L	0.06

System Monitoring Compounds

Target Compounds					Qvalue
3) Acetonitrile	7.06	40	565	-158.44 UG/L #	100
6) Methacrylonitrile	10.07	67	3628	3205.39 UG/L #	100
10) Ethyl Methacrylate	16.09	69	112721	414.90 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.56	53	88356	11.48 UG/L #	100

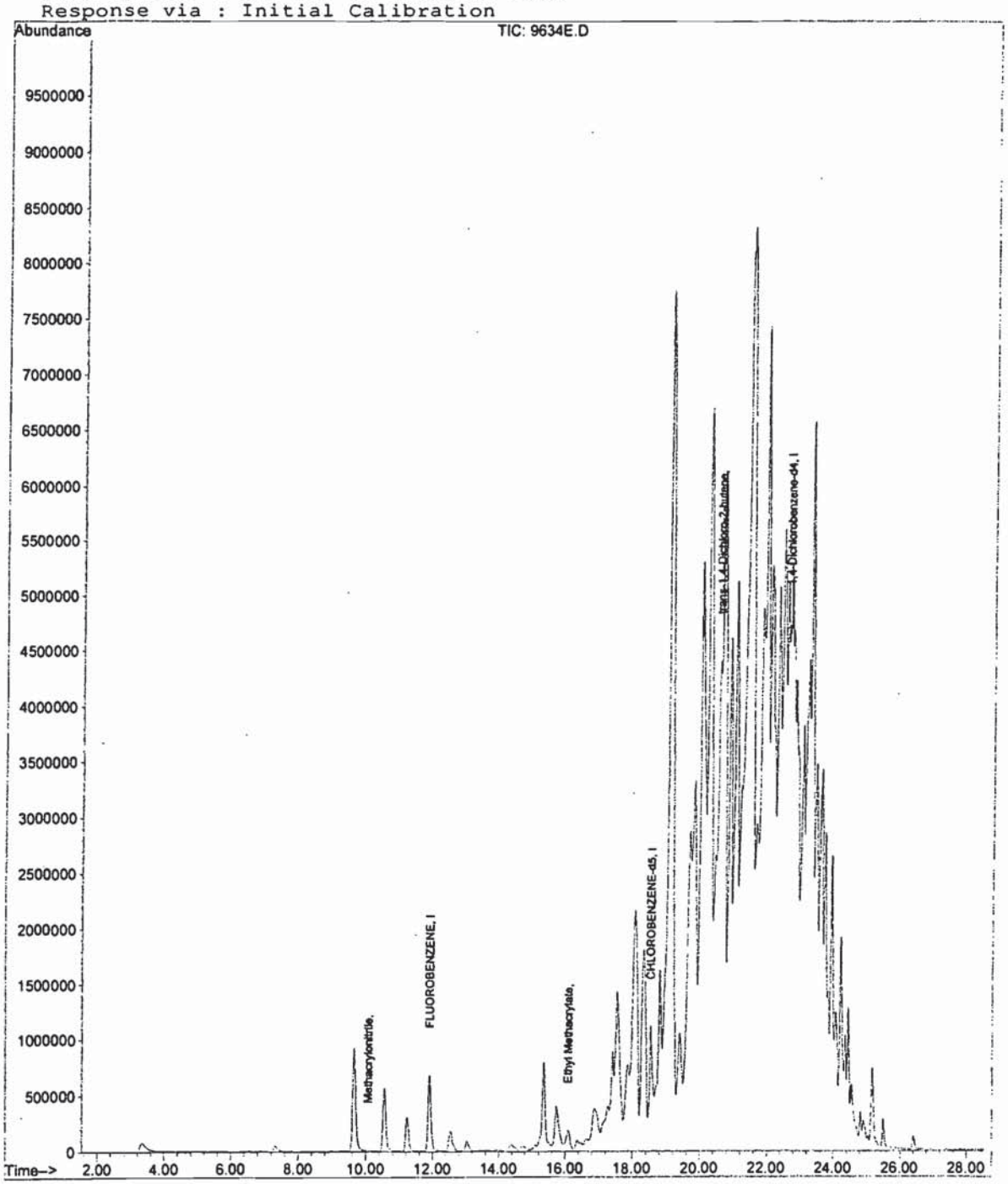
(#) = qualifier out of range (m) = manual integration

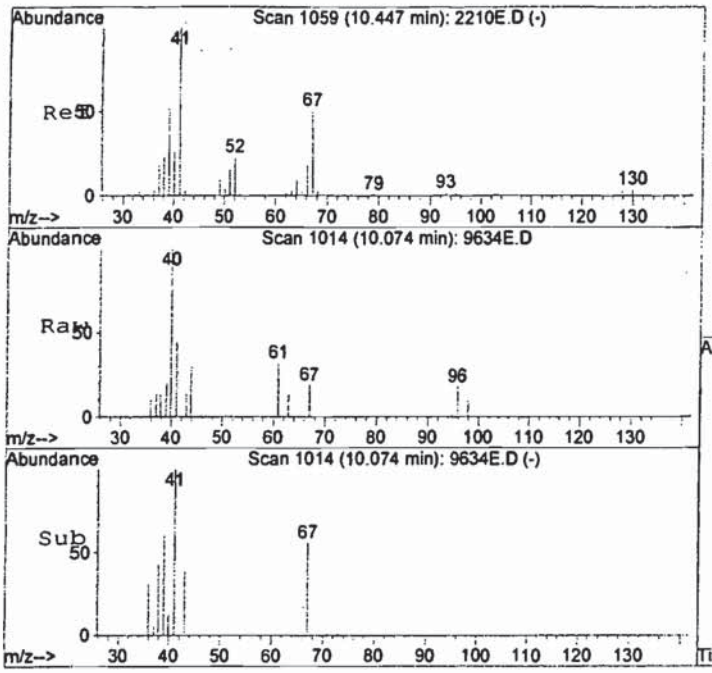
Quantitation Report

Data File : E:\DATA\E101706\9634E.D
Acq On : 17 Oct 06 10:16
Sample : A749078 1G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:27 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration

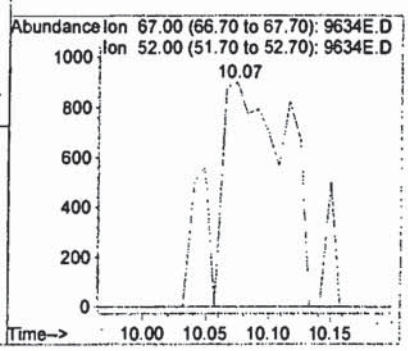


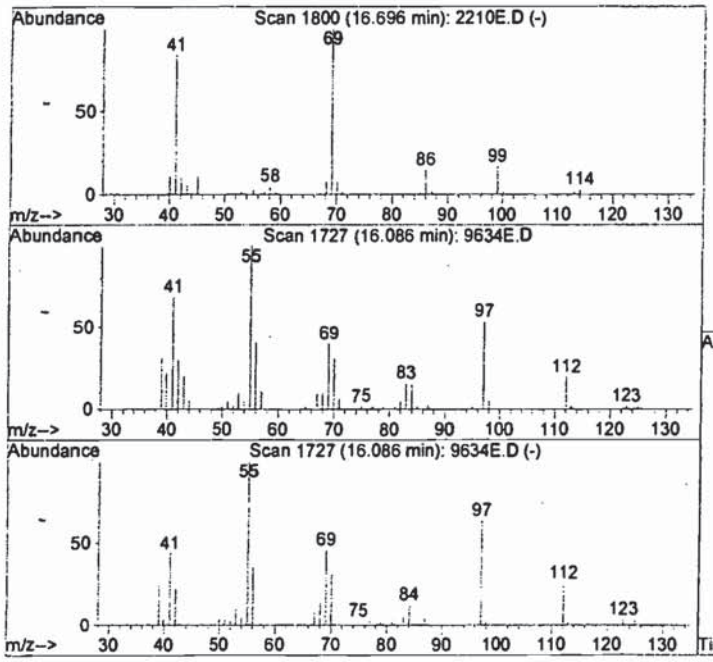


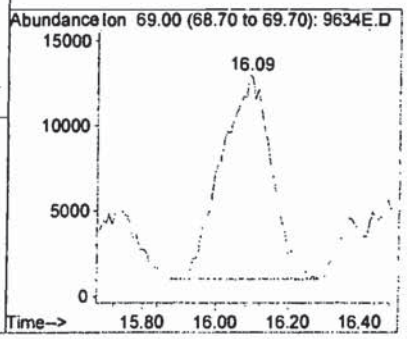
#6
Methacrylonitrile
Concen: 3205.39 UG/L
RT: 10.07 min Scan# 1014
Delta R.T. 0.02 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

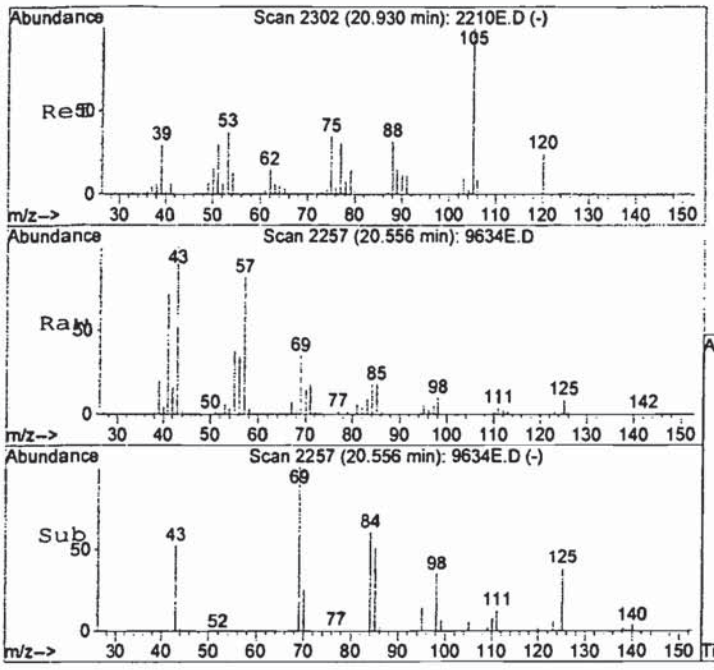
Tgt Ion: 67 Resp: 3628

Ion	Ratio	Lower	Upper
67	100		
52	0.0	0.0	0.0





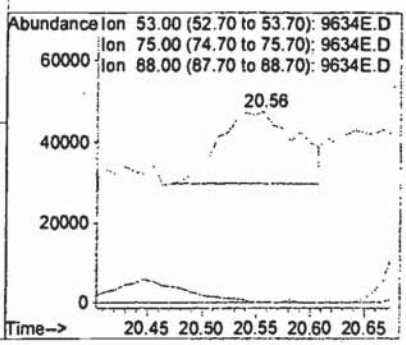




#12
trans-1,4-Dichloro-2-butene
Concen: 11.48 UG/L
RT: 20.56 min Scan# 2257
Delta R.T. 0.03 min
Lab File: 9634E.D
Acq: 17 Oct 06 10:16

Tgt Ion: 53 Resp: 88356

Ion	Ratio	Lower	Upper
53	100		
75	0.0	0.0	0.0
88	0.0	0.0	0.0



R510458

Heritage Environmental Services, LLC

A749078

GC/MS VOA

Method SW846-8260B
Sample Description A2-WW-1(4')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.1
Analyst 1365 H. WILLIAMS
File 9640E.D Date/Time 17Oct06 14:06:00
Dilution Factor 5

Prep : 4.05 Grams 5 mL

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
108-67-8	25	1,3,5-TRIMETHYLBENZENE	4.6		0.63	MG/KG	
103-65-1	532	N-PROPYLBENZENE	3.6		0.63	MG/KG	
99-87-6	628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	5.9		0.63	MG/KG	
95-63-6	17	1,2,4-TRIMETHYLBENZENE	22		0.63	MG/KG	
	1804	...					
	971	SURROGATE RECOVERY					
	972	----------					
17060-07-0	301	DICHLOROETHANE-D4	91			% RECOVERY	
2037-26-5	726	TOLUENE-D8	109			% RECOVERY	
460-00-4	196	4-BROMOFLUOROBENZENE	113			% RECOVERY	
1868-53-7	3362	DIBROMOFLUOROMETHANE	101			% RECOVERY	

Comment DILUTION 1:100

10/19/06

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9640E.D
Acq On : 17 Oct 06 14:06
Sample : A749078 1:125
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 14:35 2006

Vial: 8
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1419775	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.54	117	1244222	50.00 UG/L	0.07
63) 1,4-Dichlorobenzene-d4	22.61	152	510238	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.21	65	524597	45.54 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 91.08%#		
44) Toluene-d8	15.33	98	1374292	54.43 UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 108.86%#		
47) Dibromofluoromethane	10.53	113	918062	50.62 UG/L	0.06
Spiked Amount 50.000			Recovery = 101.24%		
50) 4-Bromofluorobenzene	20.71	95	1173027	56.56 UG/L	0.05
Spiked Amount 50.000	Range 43 - 58		Recovery = 113.12%#		

Target Compounds					Qvalue
13) Methylene Chloride	7.25	84	52277	3130.23 UG/L #	76
15) Carbon Disulfide	6.75	76	13336	1364.28 UG/L #	73
23) cis-1,2-Dichloroethene	9.61	96	255529	22.94 UG/L #	73
34) Isobutanol	10.97	43	573	1.30 UG/L	100
36) N-Butanol	12.48	43	261	1.19 UG/L	100
37) Trichloroethene	12.64	130	21660	1.83 UG/L	96
48) 1,1,2-Trichloroethane	16.35	97	18820	1.74 UG/L	100
52) 2-Hexanone	16.84	43	195572	11.51 UG/L #	39
58) ETHYL BENZENE	18.80	106	58880	5.53 UG/L	90
59) m,p-Xylene	19.04	106	117933	9.65 UG/L #	72
60) o-Xylene	19.79	106	168914	13.64 UG/L	82
64) Isopropylbenzene	20.44	105	278671	11.77 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.82	83	77885	4.46 UG/L #	100
66) Bromobenzene	21.01	77	44260	1.57 UG/L	100
~~67) 1,2,3-Trichloropropane~~	20.97	110	26031	7.54 UG/L	100
68) n-Propylbenzene	21.14	92	106135	28.56 UG/L	88
69) 1,3,5-Trimethylbenzene	21.44	105	636673	36.82 UG/L	100
~~71) 4-Chlorotoluene~~	21.37	126	14096	2.17 UG/L	100
~~72) t-Butylbenzene~~	21.77	119	19929	1.02 UG/L	100
73) 1,2,4-Trimethylbenzene	22.06	105	2916079	174.53 UG/L	100
~~74) sec-Butylbenzene~~	22.32	105	721247	25.90 UG/L	100
75) p-Isopropyltoluene	22.46	119	792988	47.33 UG/L	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9640E.D
Acq On : 17 Oct 06 14:06
Sample : A749078 1:125
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 14:35 2006

Vial: 8
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) n-Butylbenzene	23.15	92	545455	48.73 UG/L #	47
82) Naphthalene	26.40	128	490422	42.41 UG/L	100

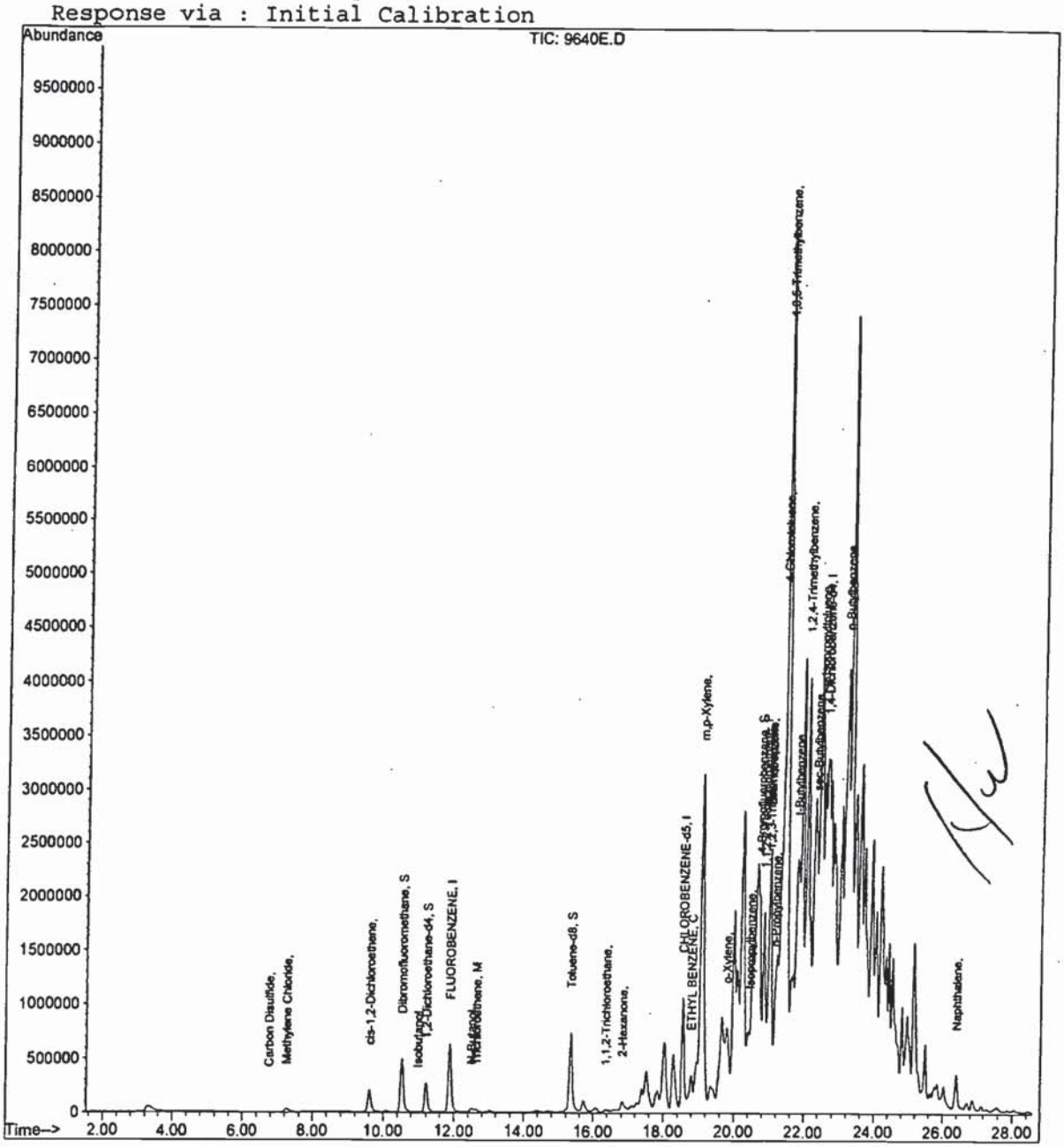
(#) = qualifier out of range (m) = manual integration

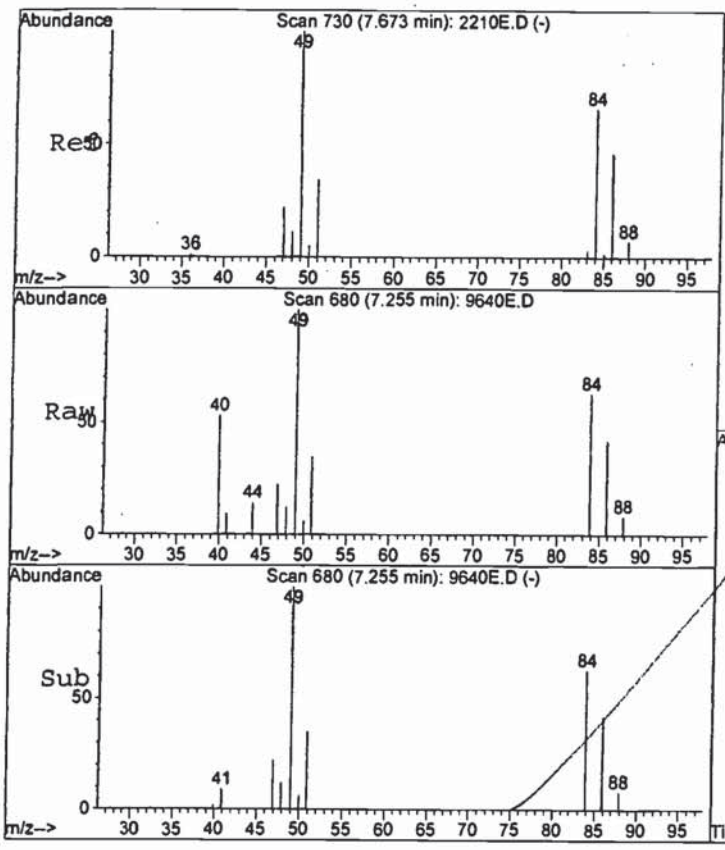
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9640E.D
Acq On : 17 Oct 06 14:06
Sample : A749078 1:125
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 14:35 2006

Vial: 8
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

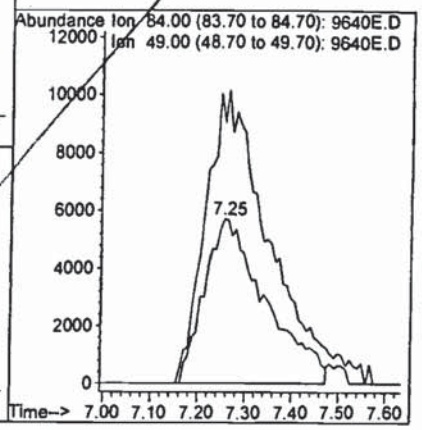


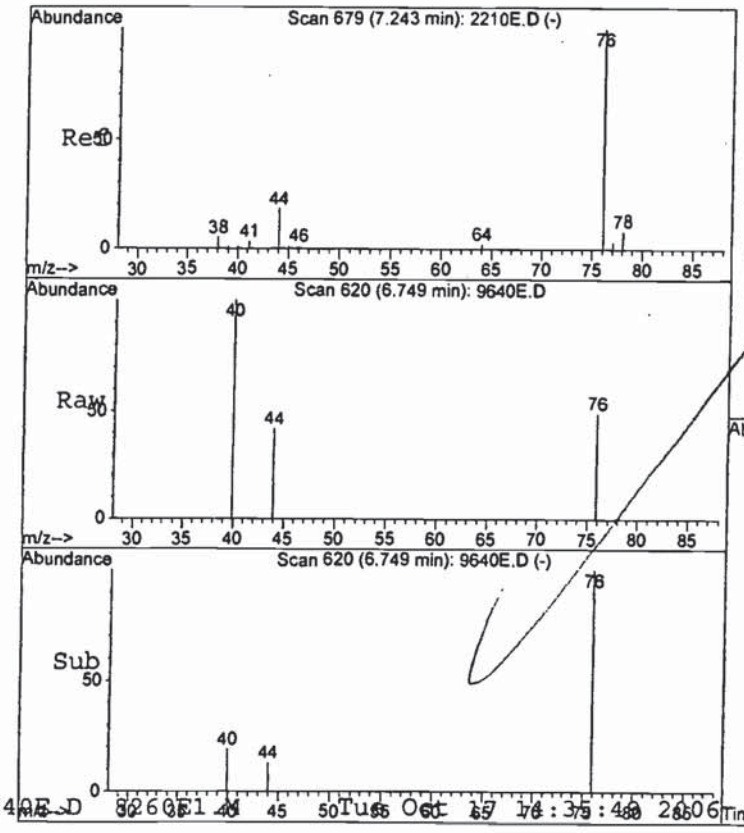


#13
Methylene Chloride
Concen: 3130.23 UG/L
RT: 7.25 min Scan# 680
Delta R.T. 0.02 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 84 Resp: 52277

Ion	Ratio	Lower	Upper
84	100		
49	185.3	123.1	184.7#

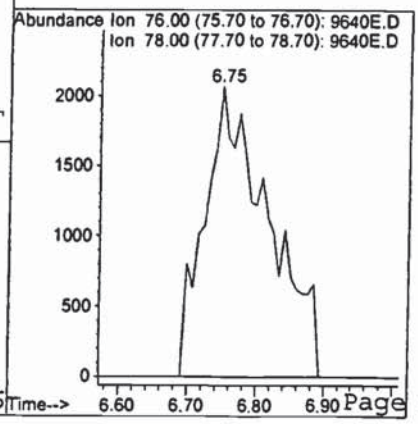


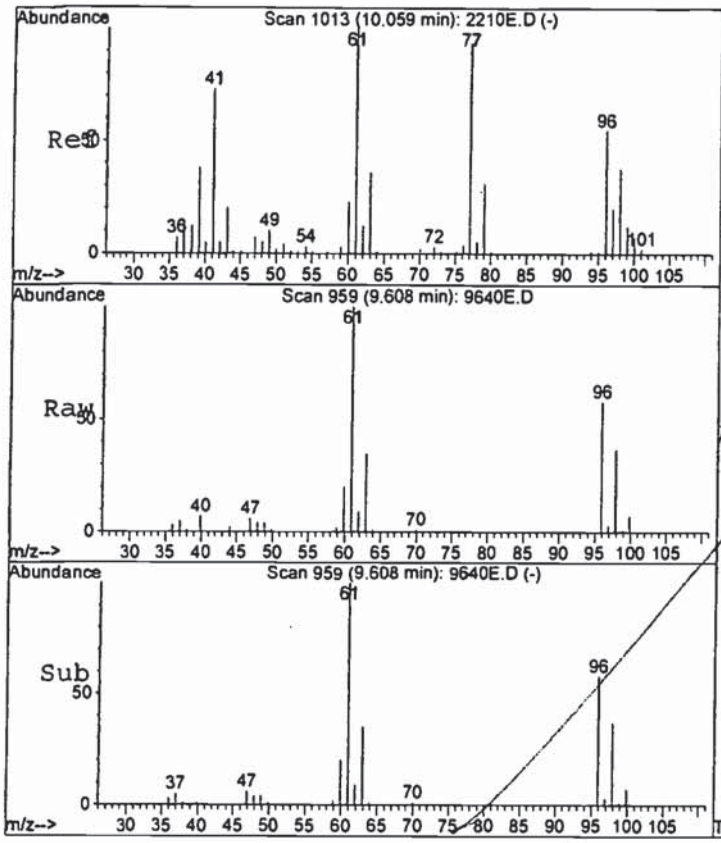


#15
Carbon Disulfide
Concen: 1364.28 UG/L
RT: 6.75 min Scan# 620
Delta R.T. -0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 76 Resp: 13336

Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#

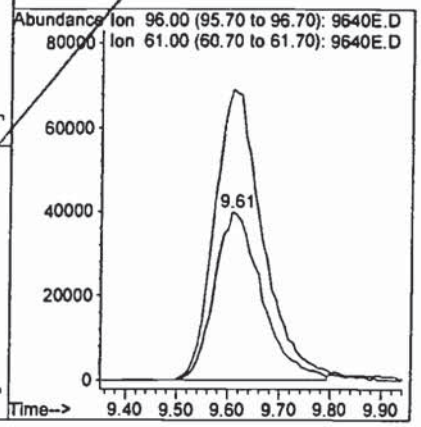


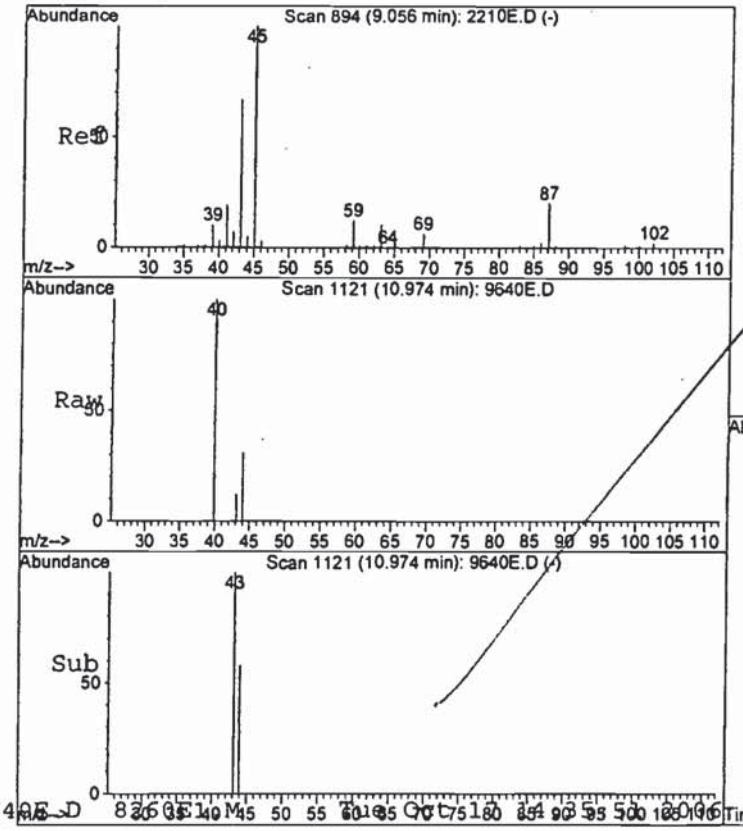


#23
cis-1,2-Dichloroethene
Concen: 22.94 UG/L
RT: 9.61 min Scan# 959
Delta R.T. 0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 96 Resp: 255529

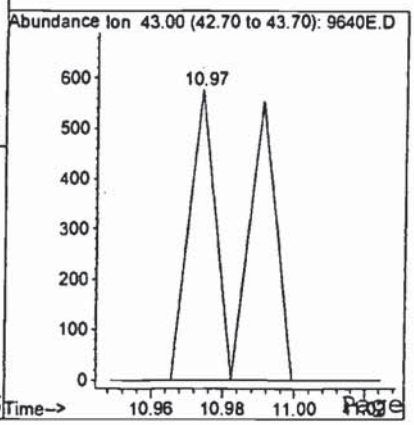
Ion	Ratio	Lower	Upper
96	100		
61	176.8	115.0	172.6#

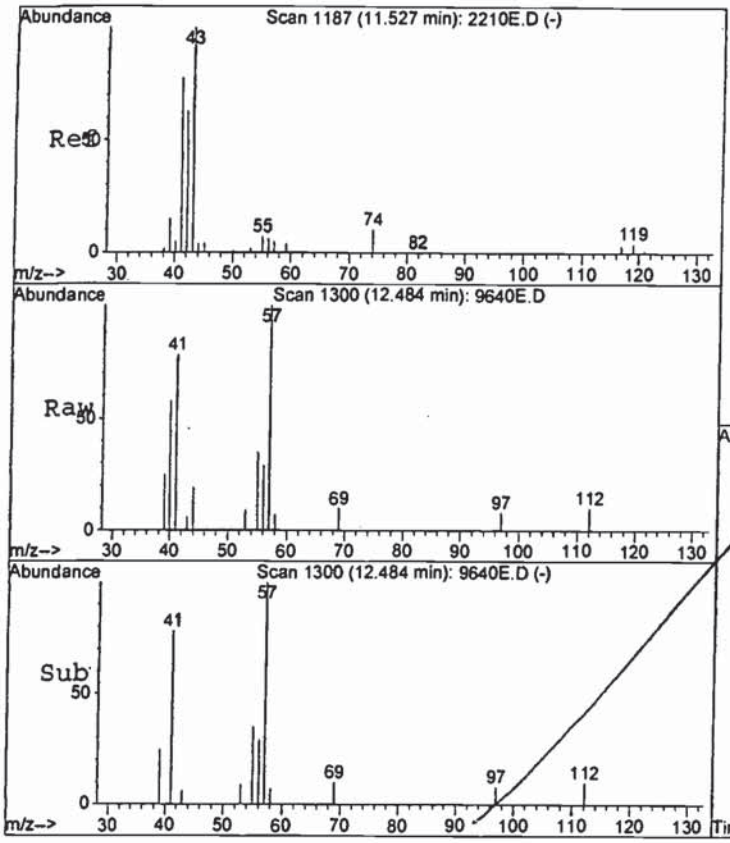




#34
Isobutanol
Concen: 1.30 UG/L
RT: 10.97 min Scan# 1121
Delta R.T. -0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

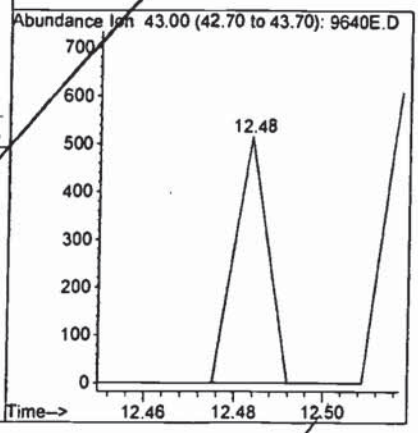
Tgt Ion: 43 Resp: 573

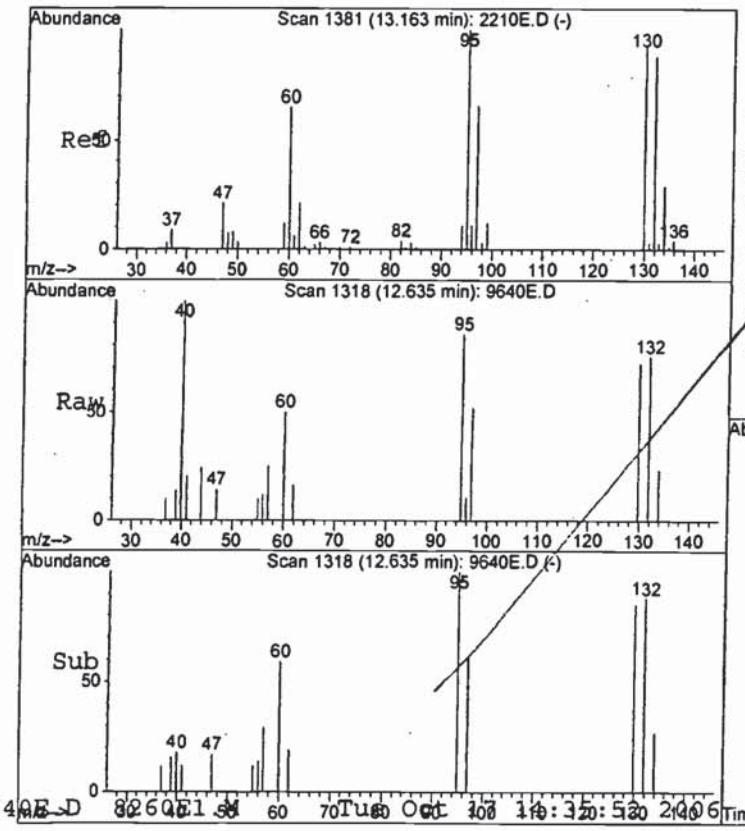




#36
N-Butanol
Concen: 1.19 UG/L
RT: 12.48 min Scan# 1300
Delta R.T. 0.11 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 43 Resp: 261

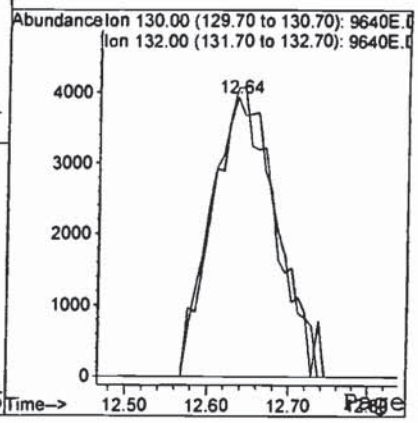


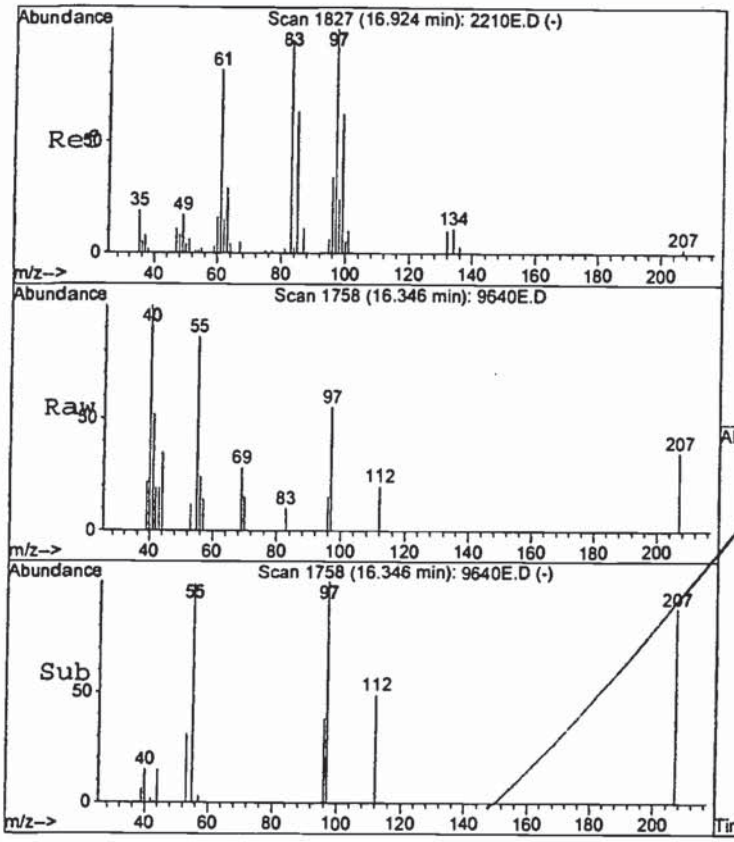


#37
Trichloroethene
Concen: 1.83 UG/L
RT: 12.64 min Scan# 1318
Delta R.T. 0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:130 Resp: 21660

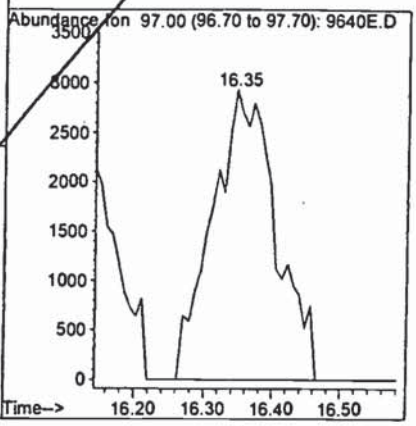
Ion	Ratio	Lower	Upper
130	100		
132	101.1	77.4	116.2

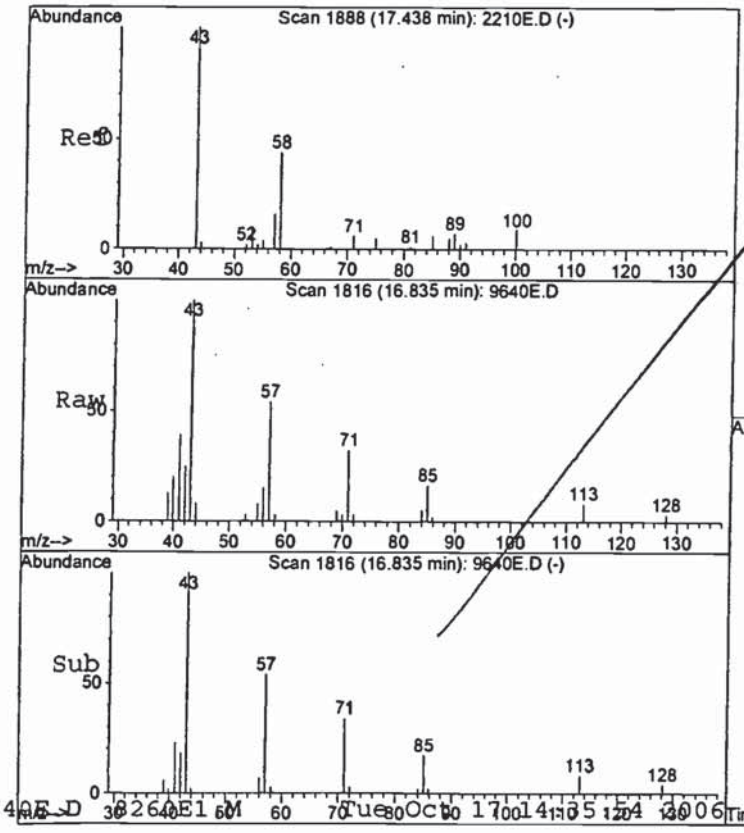




#48
1,1,2-Trichloroethane
Concen: 1.74 UG/L
RT: 16.35 min Scan# 1758
Delta R.T. -0.01 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 97 Resp: 18820

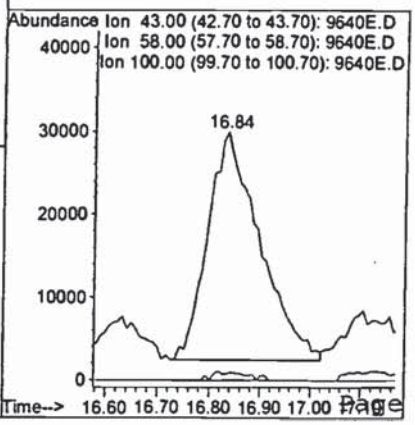


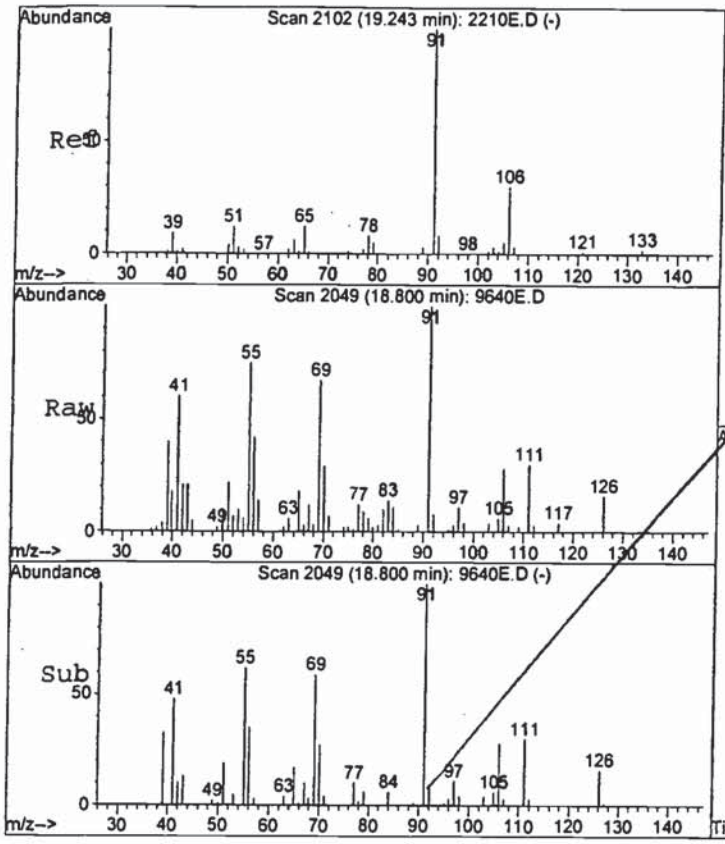


#52
2-Hexanone
Concen: 11.51 UG/L
RT: 16.84 min Scan# 1816
Delta R.T. -0.09 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 43 Resp: 195572

Ion	Ratio	Lower	Upper
43	100		
58	1.0	37.3	55.9#
100	0.0	10.5	15.7#

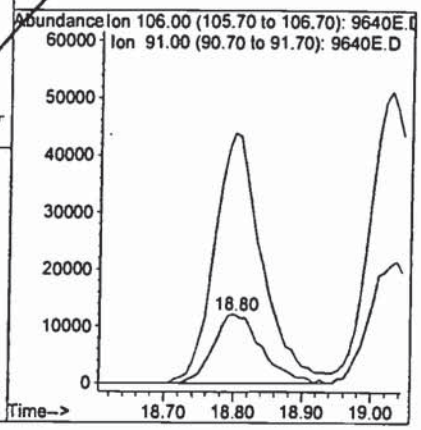


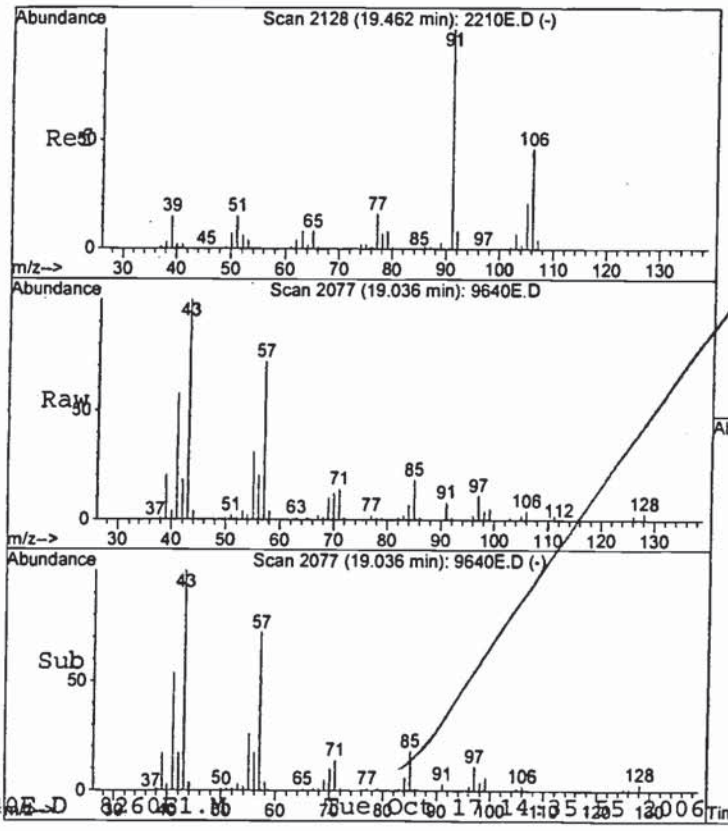


#58
ETHYL BENZENE
Concen: 5.53 UG/L
RT: 18.80 min Scan# 2049
Delta R.T. 0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:106 Resp: 58880

Ion	Ratio	Lower	Upper
106	100		
91	358.5	269.1	403.7

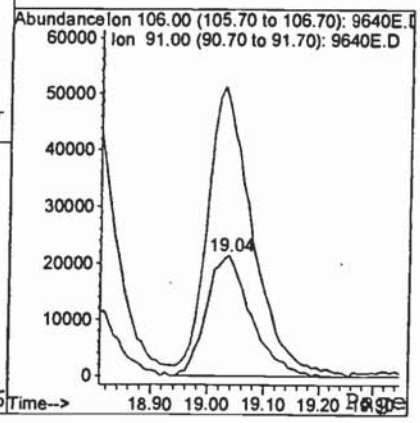


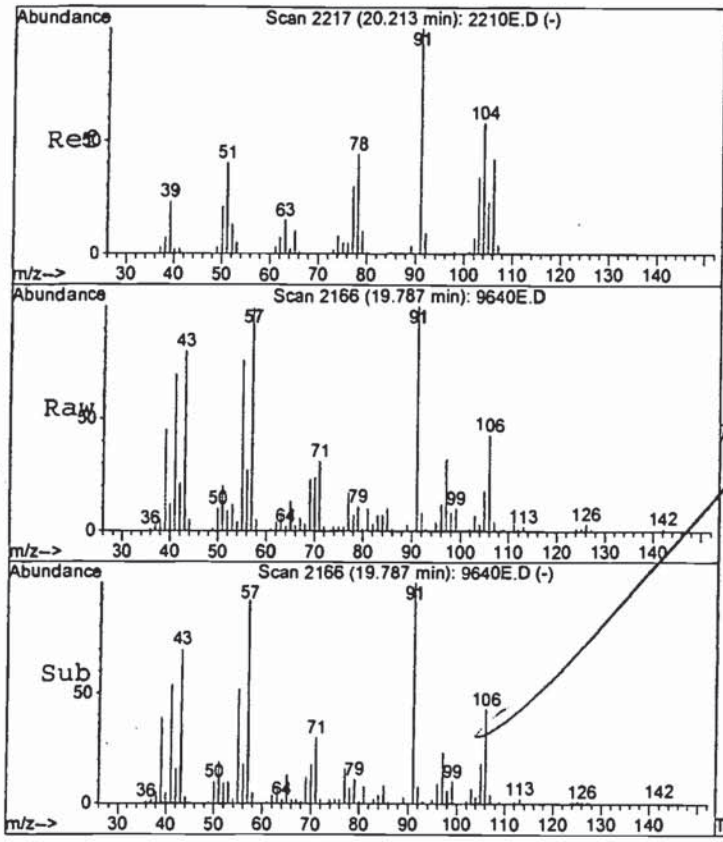


#59
m,p-Xylene
Concen: 9.65 UG/L
RT: 19.04 min Scan# 2077
Delta R.T. 0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:106 Resp: 117933

Ion	Ratio	Lower	Upper
106	100		
91	242.4	159.5	239.3#

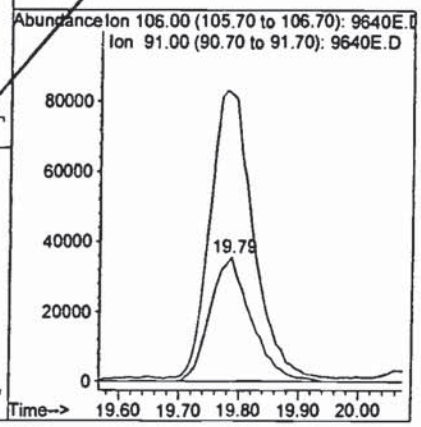


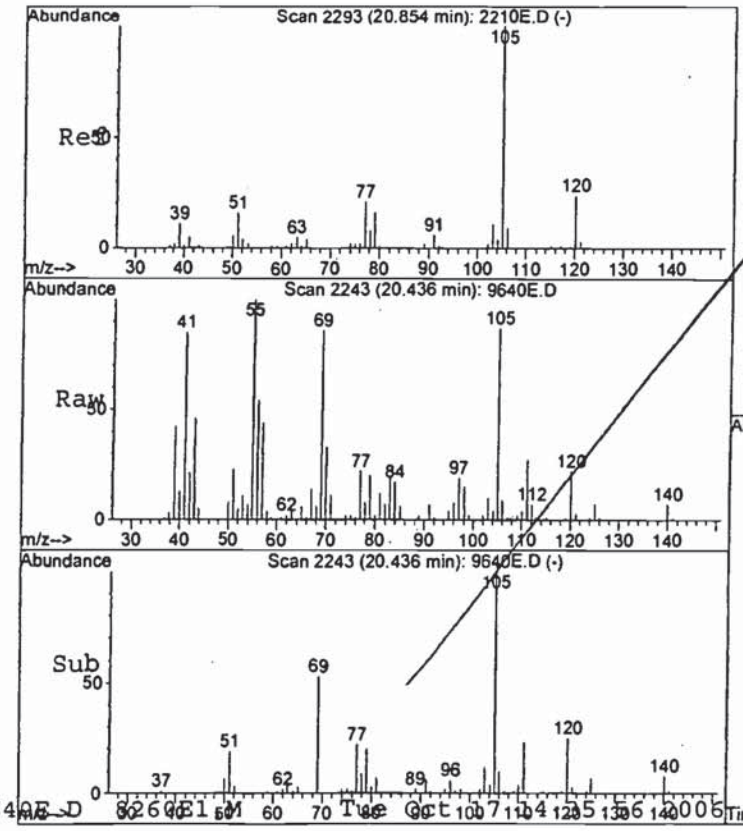


#60
o-Xylene
Concen: 13.64 UG/L
RT: 19.79 min Scan# 2166
Delta R.T. 0.07 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:106 Resp: 168914

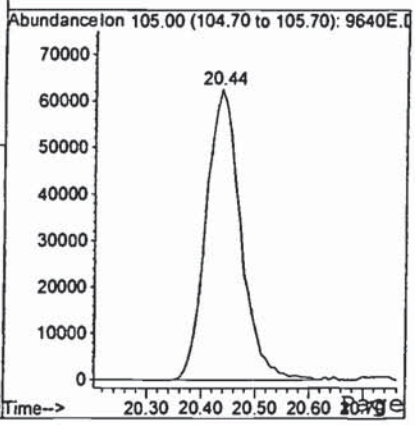
Ion	Ratio	Lower	Upper
106	100		
91	245.6	173.6	260.4

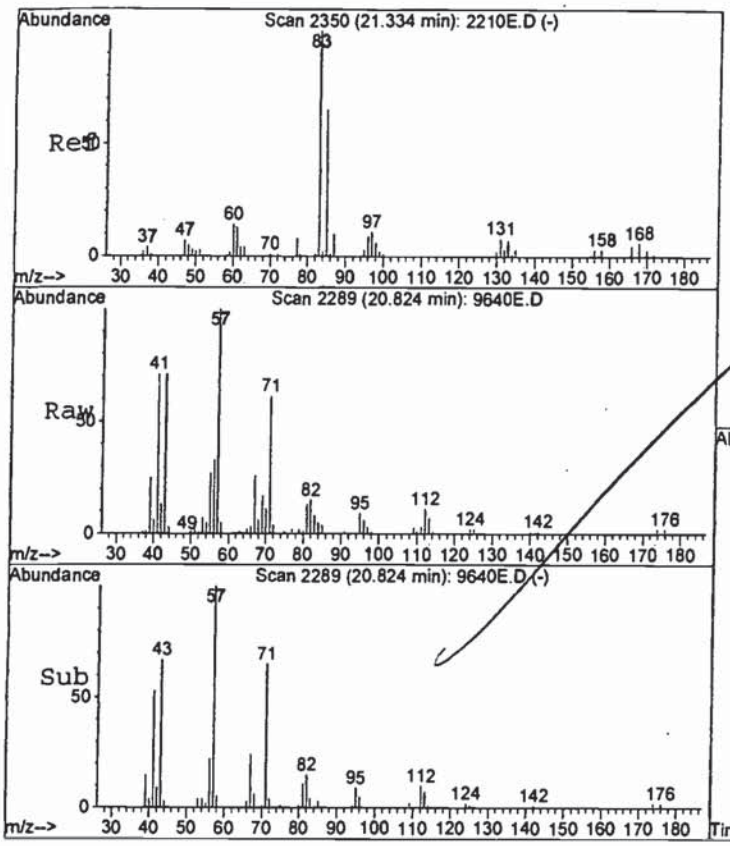




#64
Isopropylbenzene
Concen: 11.77 UG/L
RT: 20.44 min Scan# 2243
Delta R.T. 0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:105 Resp: 278671

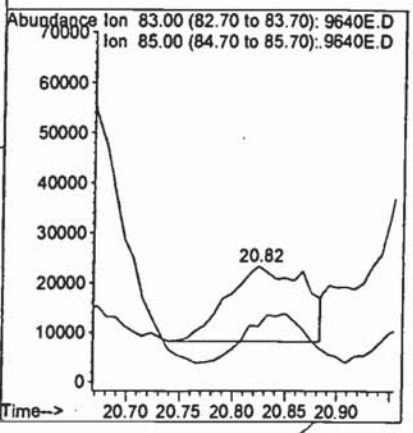


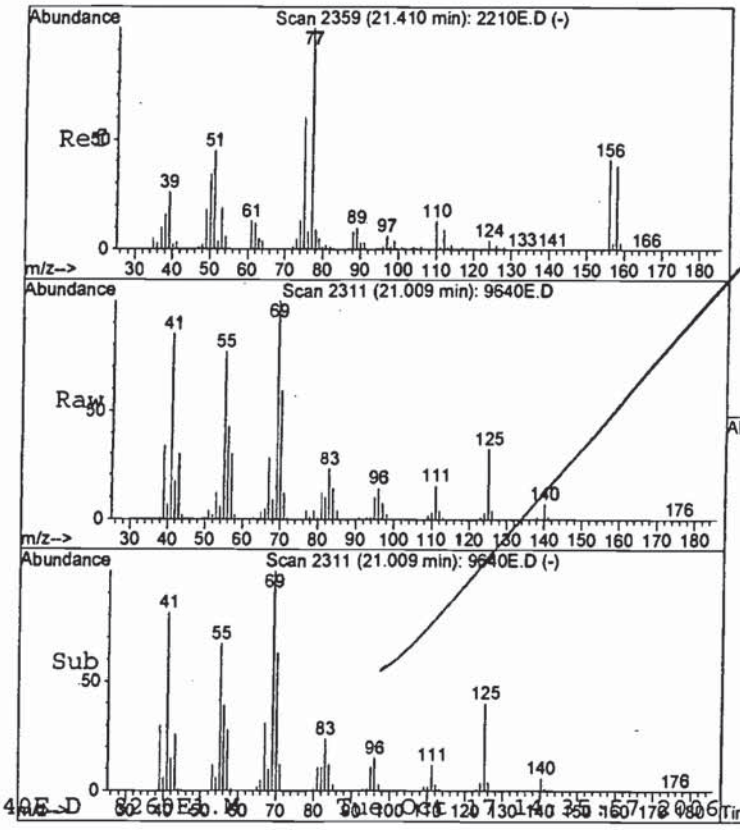


#65
1,1,2,2-Tetrachloroethane
Concen: 4.46 UG/L
RT: 20.82 min Scan# 2289
Delta R.T. -0.07 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 83 Resp: 77885

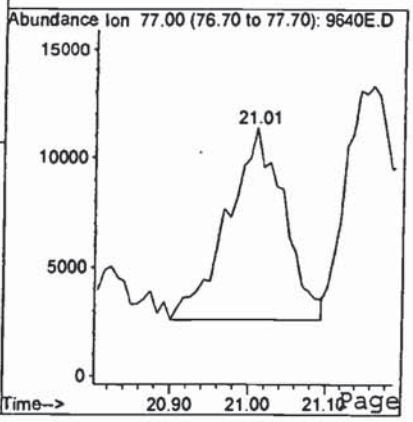
Ion	Ratio	Lower	Upper
83	100		
85	53.1	0.0	0.0#

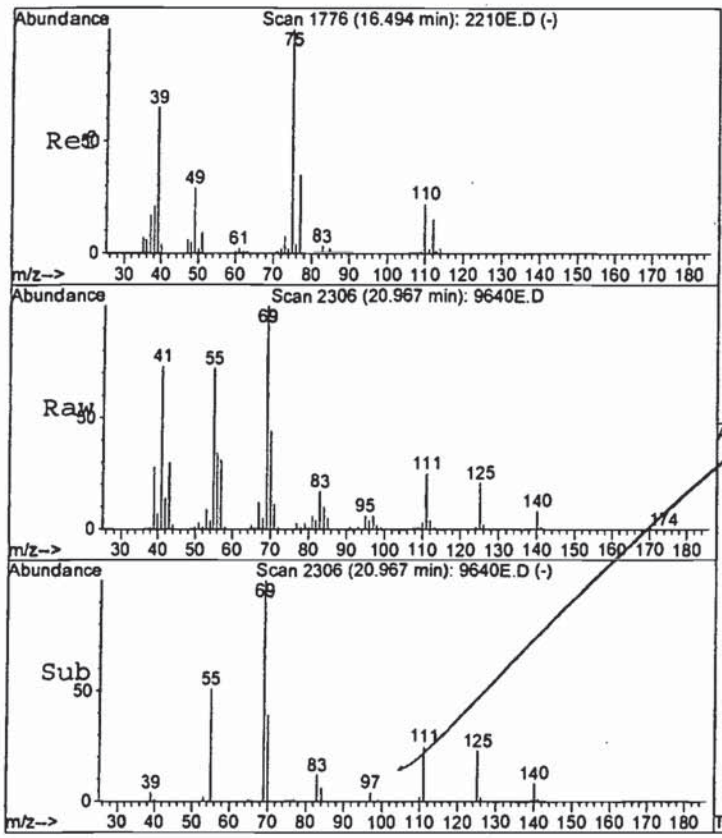




#66
Bromobenzene
Concen: 1.57 UG/L
RT: 21.01 min Scan# 2311
Delta R.T. 0.08 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

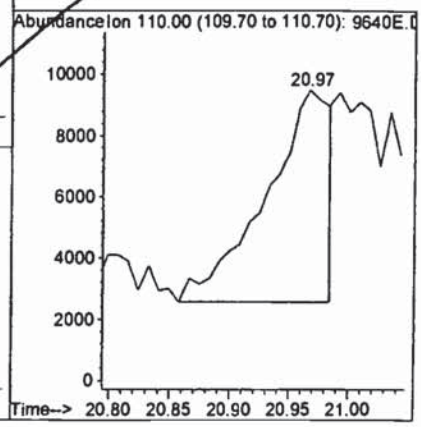
Tgt Ion: 77 Resp: 44260

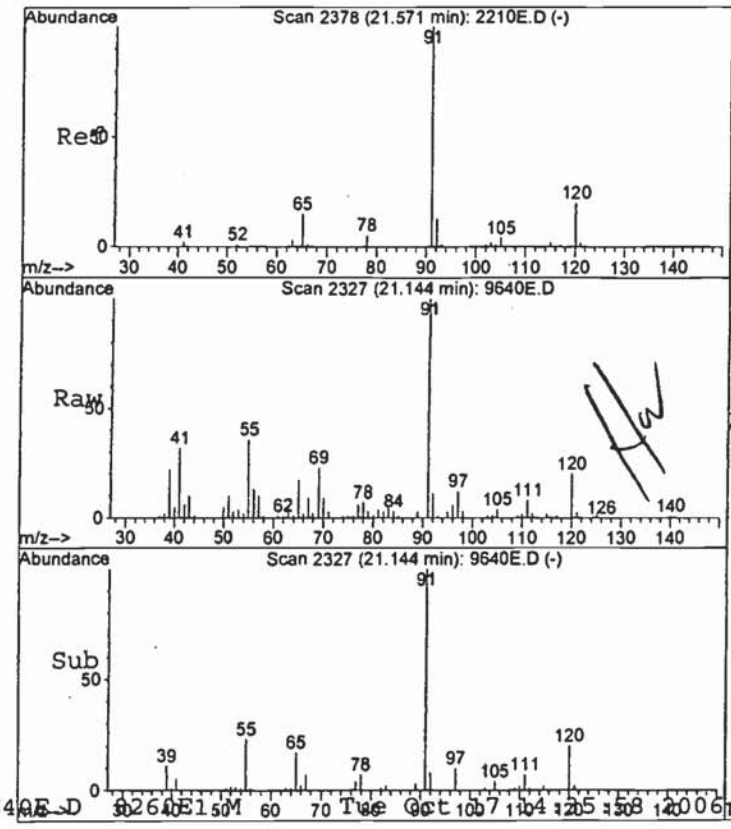




#67
1,2,3-Trichloropropane
Concen: 7.54 UG/L
RT: 20.97 min Scan# 2306
Delta R.T. -0.01 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:110 Resp: 26031

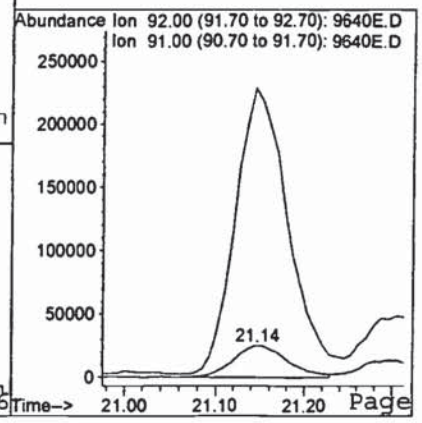


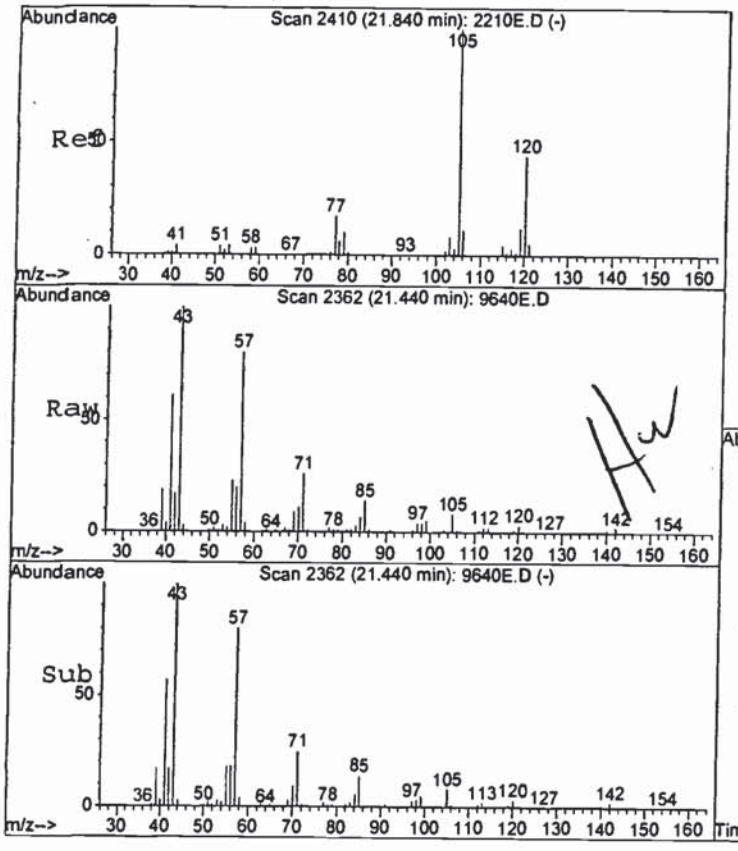


#68
n-Propylbenzene
Concen: 28.56 UG/L
RT: 21.14 min Scan# 2327
Delta R.T. 0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 92 Resp: 106135

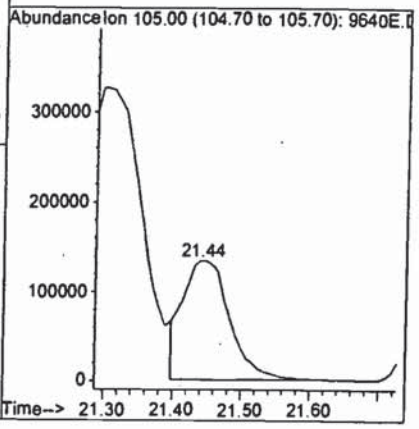
Ion	Ratio	Lower	Upper
92	100		
91	890.9	755.4	1133.2

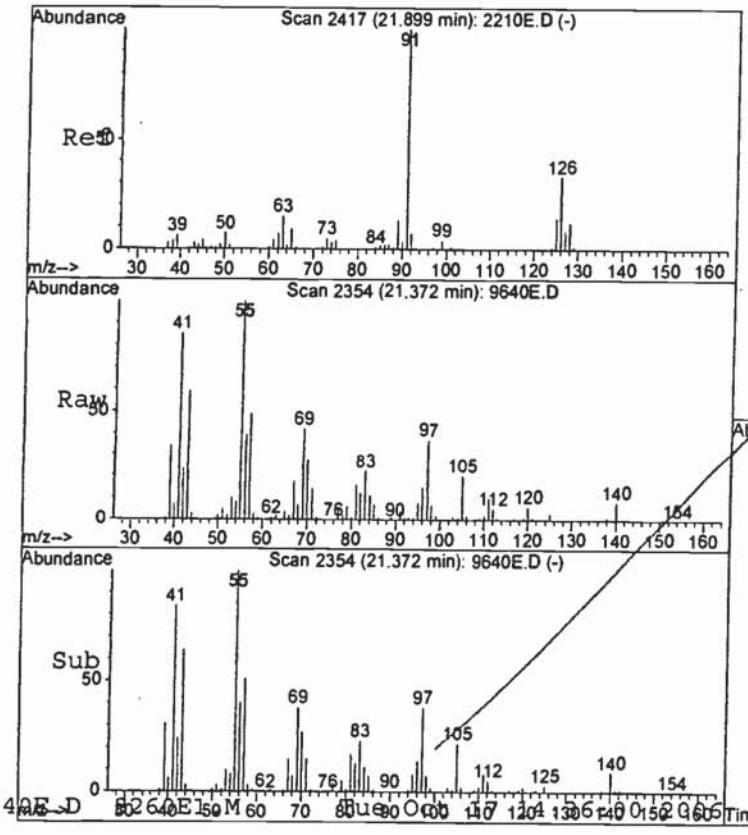




#69
1,3,5-Trimethylbenzene
Concen: 36.82 UG/L
RT: 21.44 min Scan# 2362
Delta R.T. 0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

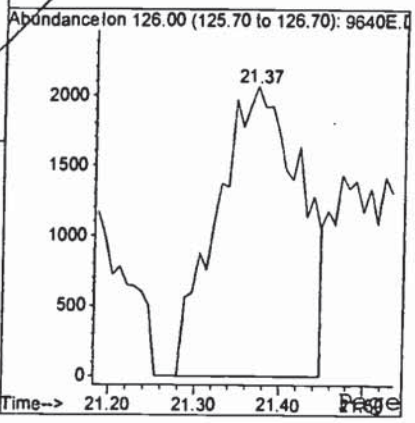
Tgt Ion:105 Resp: 636673

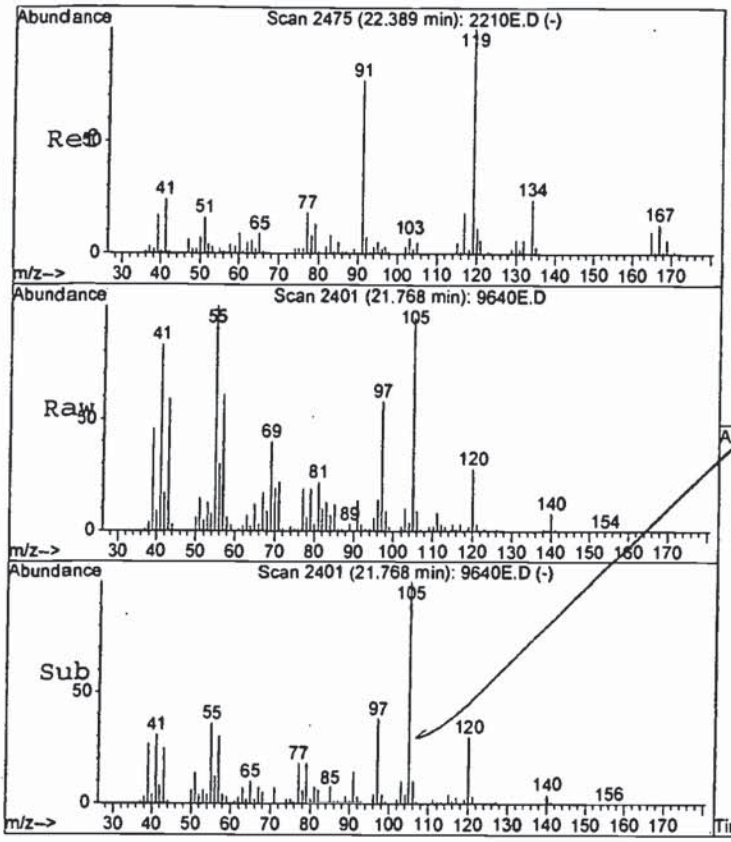




#71
4-Chlorotoluene
Concen: 2.17 UG/L
RT: 21.37 min Scan# 2354
Delta R.T. -0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

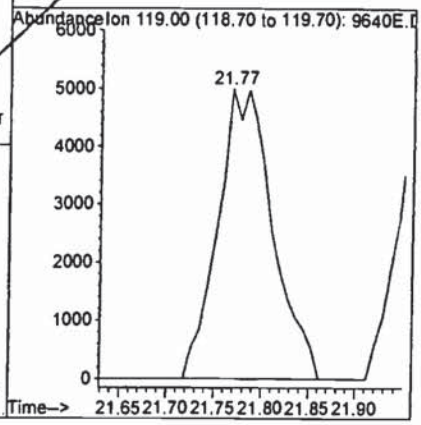
Tgt Ion:126 Resp: 14096

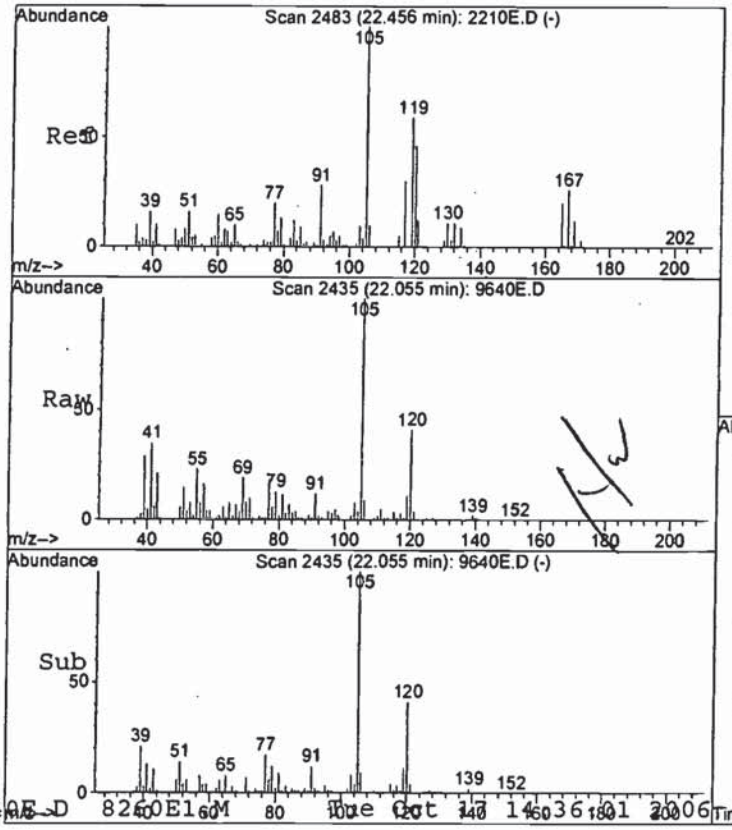




#72
t-Butylbenzene
Concen: 1.02 UG/L
RT: 21.77 min Scan# 2401
Delta R.T. -0.14 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

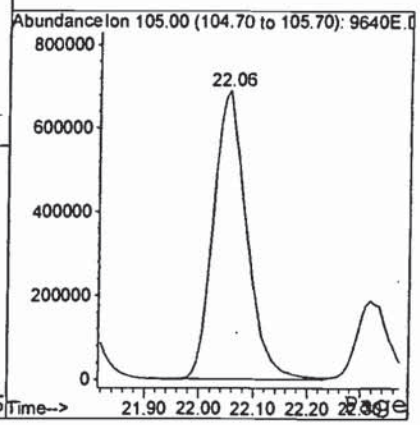
Tgt Ion:119 Resp: 19929

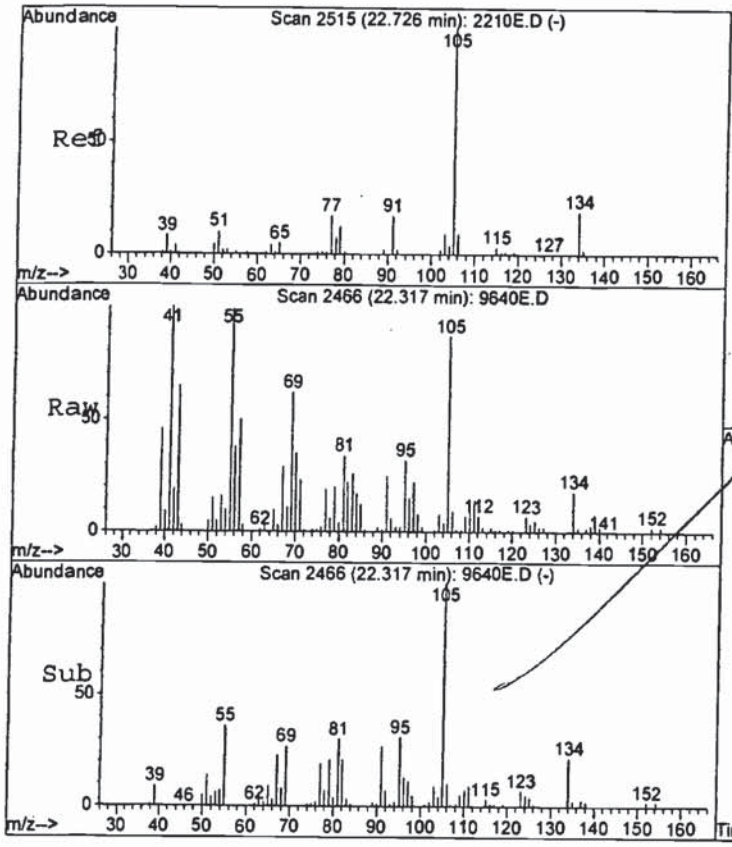




#73
1,2,4-Trimethylbenzene
Concen: 174.53 UG/L
RT: 22.06 min Scan# 2435
Delta R.T. 0.07 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

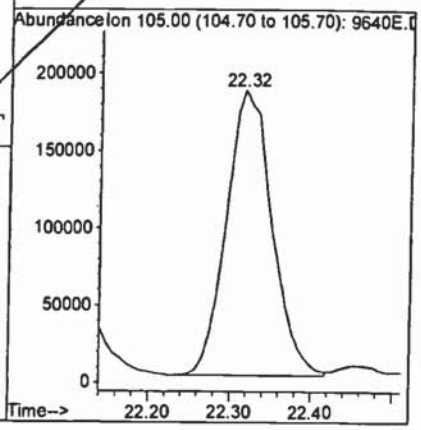
Tgt Ion:105 Resp: 2916079

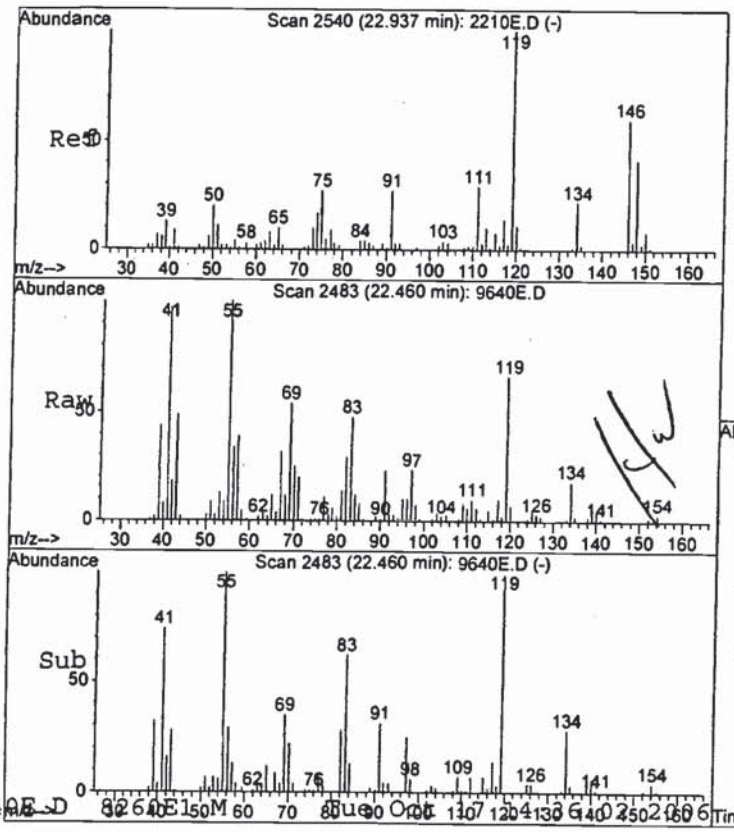




#74
sec-Butylbenzene
Concen: 25.90 UG/L
RT: 22.32 min Scan# 2466
Delta R.T. 0.06 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

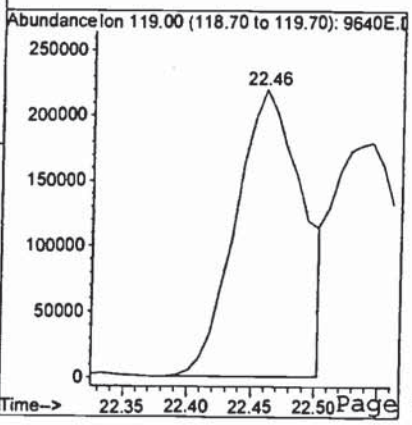
Tgt Ion:105 Resp: 721247

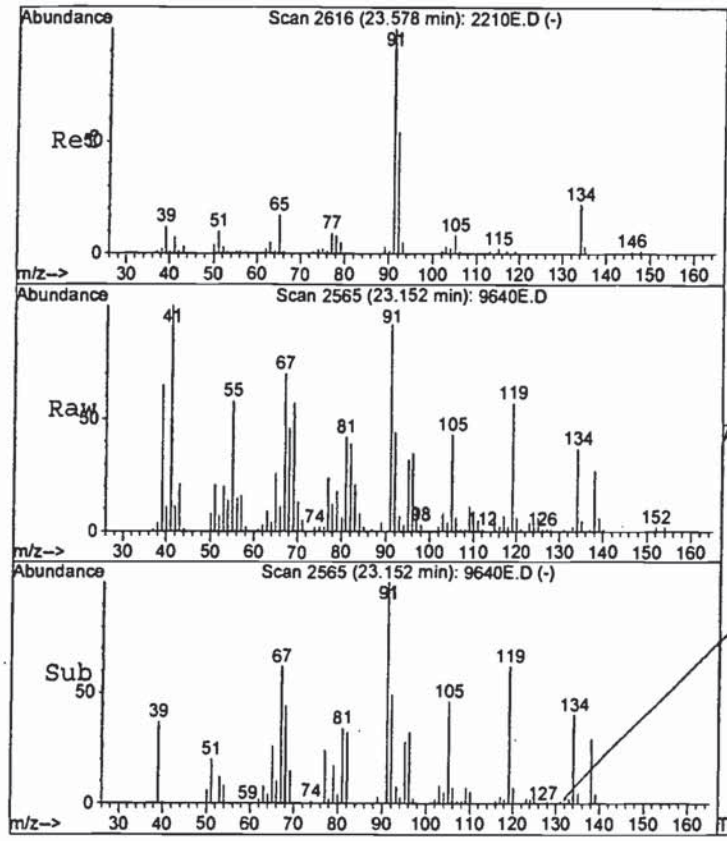




#75
p-Isopropyltoluene
Concen: 47.33 UG/L
RT: 22.46 min Scan# 2483
Delta R.T. -0.01 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:119 Resp: 792988

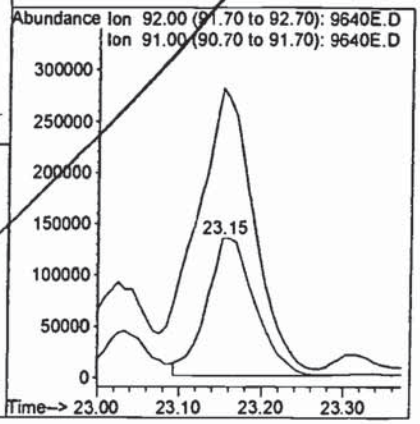


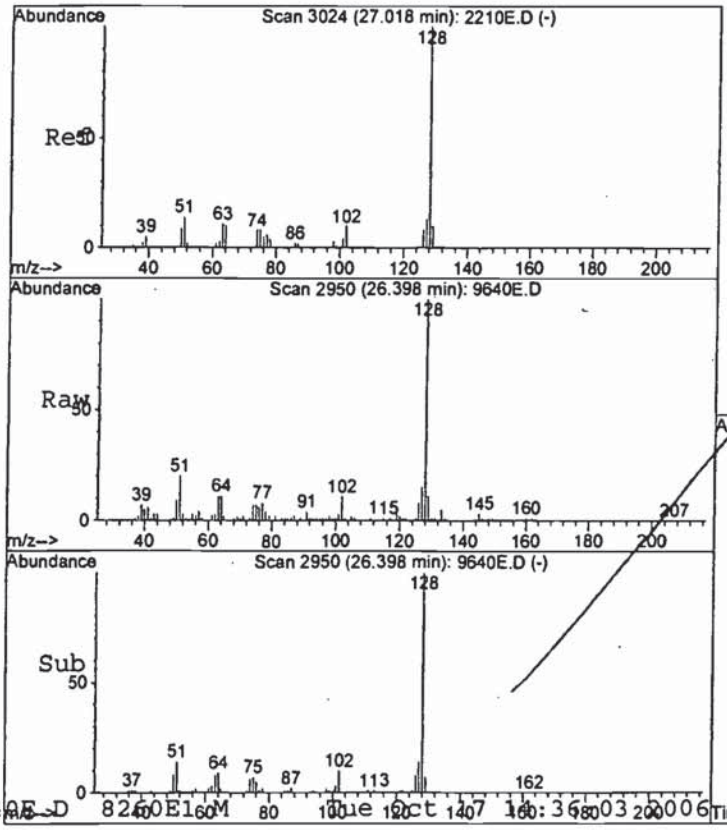


#78
n-Butylbenzene
Concen: 48.73 UG/L
RT: 23.15 min Scan# 2565
Delta R.T. 0.05 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion: 92 Resp: 545455

Ion	Ratio	Lower	Upper
92	100		
91	239.7	134.6	201.8#

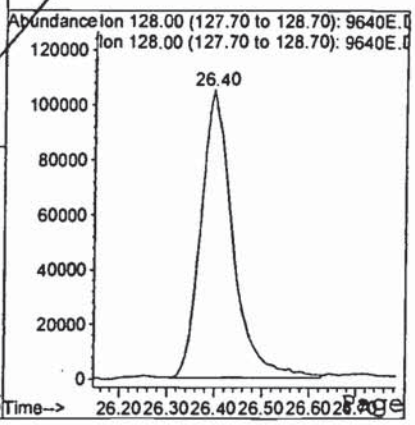




#82
Naphthalene
Concen: 42.41 UG/L
RT: 26.40 min Scan# 2950
Delta R.T. 0.07 min
Lab File: 9640E.D
Acq: 17 Oct 06 14:06

Tgt Ion:128 Resp: 490422

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



R510458 Heritage Environmental Services, LLC A749079

GC/MS VOA

Method SW846-8260B
Sample Description A2-WW-2(9')
Submitter KERAMIDA ENVIRONMENTAL
Instrument 39 Channel 1

Test Code O510.5.0
Analyst 1365 H. WILLIAMS
File 9639E.D Date/Time 17Oct06 13:28:00
Dilution Factor 1

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
67-64-1	99	ACETONE (2-PROPANONE)		BDL	0.020	MG/KG	
107-02-8	105	ACROLEIN		BDL	0.025	MG/KG	
107-13-1	106	ACRYLONITRILE		BDL	0.025	MG/KG	
71-43-2	151	BENZENE		BDL	0.0050	MG/KG	
108-86-1	193	BROMOBENZENE		BDL	0.0050	MG/KG	
74-97-5	194	BROMOCHLOROMETHANE		BDL	0.0050	MG/KG	
75-27-4	195	BROMODICHLOROMETHANE		BDL	0.0050	MG/KG	
75-25-2	197	BROMOFORM		BDL	0.0050	MG/KG	
74-83-9	198	BROMOMETHANE		BDL	0.010	MG/KG	
104-51-8	519	N-BUTYLBENZENE		BDL	0.0050	MG/KG	
135-98-8	644	SEC-BUTYLBENZENE		BDL	0.0050	MG/KG	
98-06-6	702	TERT-BUTYLBENZENE		BDL	0.0050	MG/KG	
75-15-0	216	CARBON DISULFIDE		BDL	0.0050	MG/KG	
56-23-5	217	CARBON TETRACHLORIDE		BDL	0.0050	MG/KG	
108-90-7	231	CHLOROBENZENE		BDL	0.0050	MG/KG	
124-48-1	295	DIBROMOCHLOROMETHANE		BDL	0.0050	MG/KG	
75-00-3	234	CHLOROETHANE		BDL	0.010	MG/KG	
67-66-3	235	CHLOROFORM		BDL	0.0050	MG/KG	
74-87-3	236	CHLOROMETHANE		BDL	0.0050	MG/KG	
95-49-8	807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)		BDL	0.0050	MG/KG	
106-43-4	808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)		BDL	0.0050	MG/KG	
110-75-8	54	2-CHLOROETHYLVINYLETHER		BDL	0.0050	MG/KG	
96-12-8	19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)		BDL	0.0050	MG/KG	
106-93-4	18	1,2-DIBROMOETHANE (EDB)		BDL	0.0050	MG/KG	
74-95-3	296	DIBROMOMETHANE		BDL	0.0050	MG/KG	
95-50-1	20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
541-73-1	26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
106-46-7	29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)		BDL	0.0050	MG/KG	
75-71-8	300	DICHLORODIFLUOROMETHANE		BDL	0.0050	MG/KG	
110-57-6	748	TRANS-1,4-DICHLORO-2-BUTENE		BDL	0.010	MG/KG	
75-34-3	7	1,1-DICHLOROETHANE		BDL	0.0050	MG/KG	
107-06-2	21	1,2-DICHLOROETHANE		BDL	0.0050	MG/KG	
75-35-4	8	1,1-DICHLOROETHENE		BDL	0.0050	MG/KG	
156-59-2	246	CIS-1,2-DICHLOROETHENE	0.120		0.0050	MG/KG	
156-60-5	746	TRANS-1,2-DICHLOROETHENE		BDL	0.0050	MG/KG	
78-87-5	23	1,2-DICHLOROPROPANE		BDL	0.0050	MG/KG	
142-28-9	27	1,3-DICHLOROPROPANE		BDL	0.0050	MG/KG	
594-20-7	33	2,2-DICHLOROPROPANE		BDL	0.0050	MG/KG	
10061-01-5	247	CIS-1,3-DICHLOROPROPENE		BDL	0.0050	MG/KG	
563-58-6	10	1,1-DICHLOROPROPENE		BDL	0.0050	MG/KG	
10061-02-6	747	TRANS-1,3-DICHLOROPROPENE		BDL	0.0050	MG/KG	
100-41-4	349	ETHYL BENZENE		BDL	0.0050	MG/KG	
97-63-2	351	ETHYL METHACRYLATE		BDL	0.050	MG/KG	
591-78-6	60	2-HEXANONE		BDL	0.0050	MG/KG	
87-68-3	398	HEXACHLOROBUTADIENE		BDL	0.0050	MG/KG	

10/19/06

10/20/06

R510458 Heritage Environmental Services, LLC A749079

GC/MS VOA

CAS	PRM	Parameter	Concentration	RQL	Limit	Units	RT
74-88-4	422	IODOMETHANE		BDL	0.0050	MG/KG	
98-82-8	432	ISOPROPYLBENZENE (CUMENE)		BDL	0.0050	MG/KG	
99-87-6	628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)		BDL	0.0050	MG/KG	
75-09-2	302	DICHLOROMETHANE (METHYLENE CHLORIDE)		BDL	0.0050	MG/KG	
78-93-3	475	METHYL ETHYL KETONE		BDL	0.010	MG/KG	
1634-04-4	859	METHYL-T-BUTYL ETHER (MTBE)		BDL	0.0050	MG/KG	
108-10-1	476	METHYL ISOBUTYL KETONE		BDL	0.010	MG/KG	
91-20-3	493	NAPHTHALENE		BDL	0.0050	MG/KG	
103-65-1	532	N-PROPYLBENZENE		BDL	0.0050	MG/KG	
100-42-5	680	STYRENE		BDL	0.0050	MG/KG	
630-20-6	1	1,1,1,2-TETRACHLOROETHANE		BDL	0.0050	MG/KG	
79-34-5	3	1,1,2,2-TETRACHLOROETHANE		BDL	0.0050	MG/KG	
127-18-4	703	TETRACHLOROETHENE		BDL	0.0050	MG/KG	
108-88-3	724	TOLUENE		BDL	0.0050	MG/KG	
87-61-6	13	1,2,3-TRICHLOROBENZENE		BDL	0.0050	MG/KG	
120-82-1	16	1,2,4-TRICHLOROBENZENE		BDL	0.0050	MG/KG	
71-55-6	2	1,1,1-TRICHLOROETHANE		BDL	0.0050	MG/KG	
79-00-5	4	1,1,2-TRICHLOROETHANE		BDL	0.0050	MG/KG	
79-01-6	750	TRICHLOROETHENE	0.038		0.0050	MG/KG	
75-69-4	372	TRICHLOROFLUOROMETHANE		BDL	0.0050	MG/KG	
96-18-4	14	1,2,3-TRICHLOROPROPANE		BDL	0.0050	MG/KG	
95-63-6	17	1,2,4-TRIMETHYLBENZENE	~~0.008~~ 0.0079		0.0050	MG/KG	
108-67-8	25	1,3,5-TRIMETHYLBENZENE		BDL	0.0050	MG/KG	
108-05-4	767	VINYL ACETATE		BDL	0.0050	MG/KG	
75-01-4	768	VINYL CHLORIDE		BDL	0.0050	MG/KG	
1330-20-7	803	XYLENES (O/M/P-XYLENE)		BDL	0.0050	MG/KG	
	1804	...					
	971	SURROGATE RECOVERY					
	972	----------					
17060-07-0	301	DICHLOROETHANE-D4	95			% RECOVERY	
2037-26-5	726	TOLUENE-D8	106			% RECOVERY	
460-00-4	196	4-BROMOFLUOROBENZENE	118			% RECOVERY	
1868-53-7	3362	DIBROMOFLUOROMETHANE	104			% RECOVERY	

Comment Prep Method SW846-5030B Purge and Trap

Qualifiers

BDL Below Detection Limit

Comments to Laboratory (do not record)

9OZ ROUND

**********REPORT ALL RESULTS IN MG/KG.**********

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9639E.D
Acq On : 17 Oct 06 13:28
Sample : A749079 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 13:57 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.90	96	1451999	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.54	117	1221423	50.00 UG/L	0.08
63) 1,4-Dichlorobenzene-d4	22.62	152	650885	50.00 UG/L	0.07
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.24	65	559269	47.47 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 94.94%#		
44) Toluene-d8	15.36	98	1367265	52.95 UG/L	0.09
Spiked Amount 50.000	Range 44 - 55		Recovery = 105.90%#		
47) Dibromofluoromethane	10.54	113	965491	52.05 UG/L	0.08
Spiked Amount 50.000			Recovery = 104.10%		
50) 4-Bromofluorobenzene	20.72	95	1246326	58.76 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 117.52%#		

Target Compounds					Qvalue
13) ~~Methylene Chloride~~	7.33	84	92422	2.13 UG/L	77
15) ~~Carbon Disulfide~~	6.90	76	25683	1363.90 UG/L #	78
17) ~~trans-1,2-Dichloroethene~~	7.81	96	12577	1.20 UG/L #	50
23) cis-1,2-Dichloroethene	9.65	96	694995	61.01 UG/L #	74
36) ~~N-Butanol~~	12.33	43	262	1.17 UG/L	100
37) Trichloroethene	12.66	130	228439	18.88 UG/L	99
60) ~~o-Xylene~~	19.79	106	18804	1.55 UG/L	73
69) ~~1,3,5-Trimethylbenzene~~	21.33	105	46366	2.10 UG/L	100
73) 1,2,4-Trimethylbenzene	22.06	105	83714	3.93 UG/L	100
75) ~~p-Isopropyltoluene~~	22.46	119	48308	2.26 UG/L	100

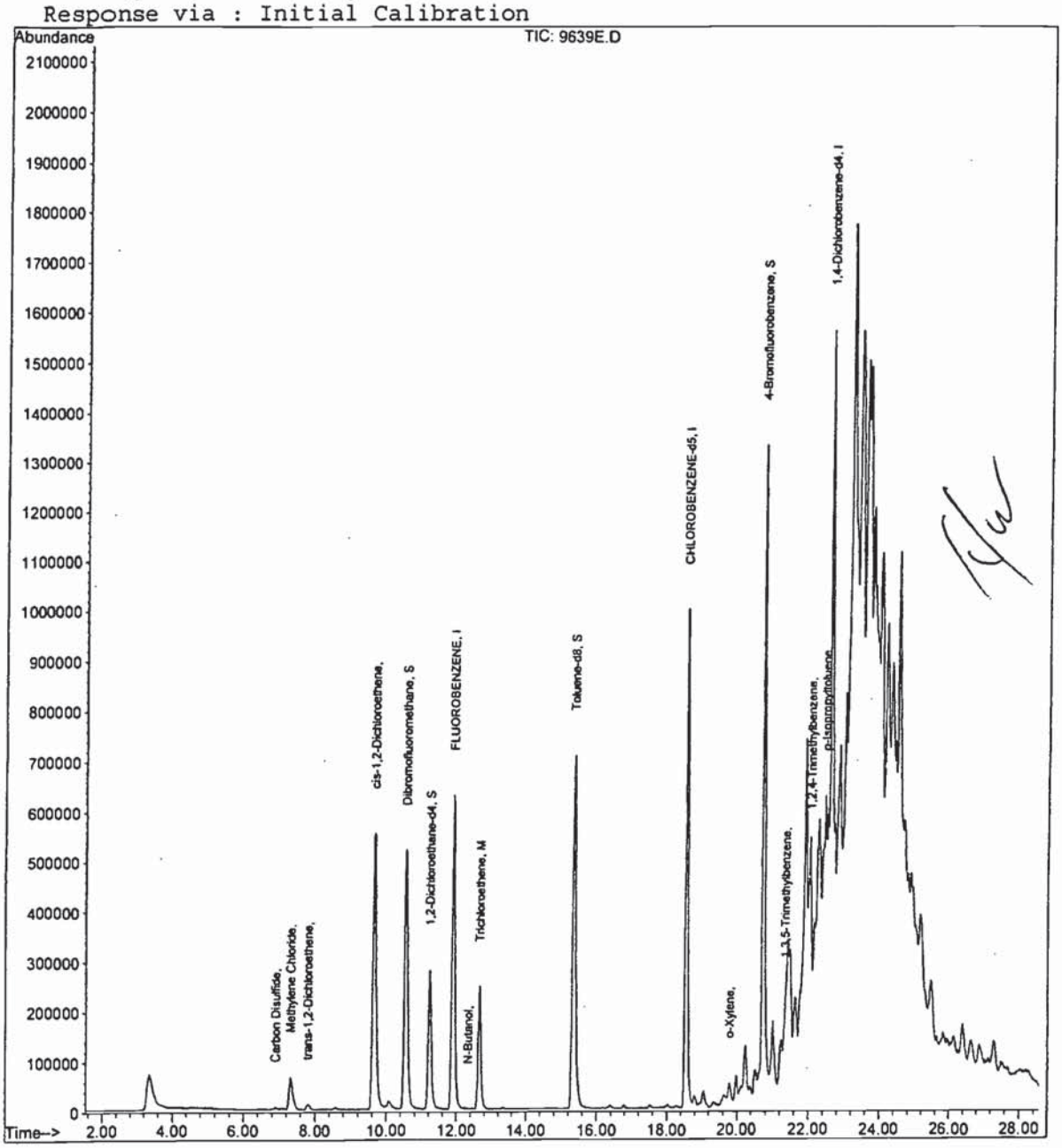
(#) = qualifier out of range (m) = manual integration

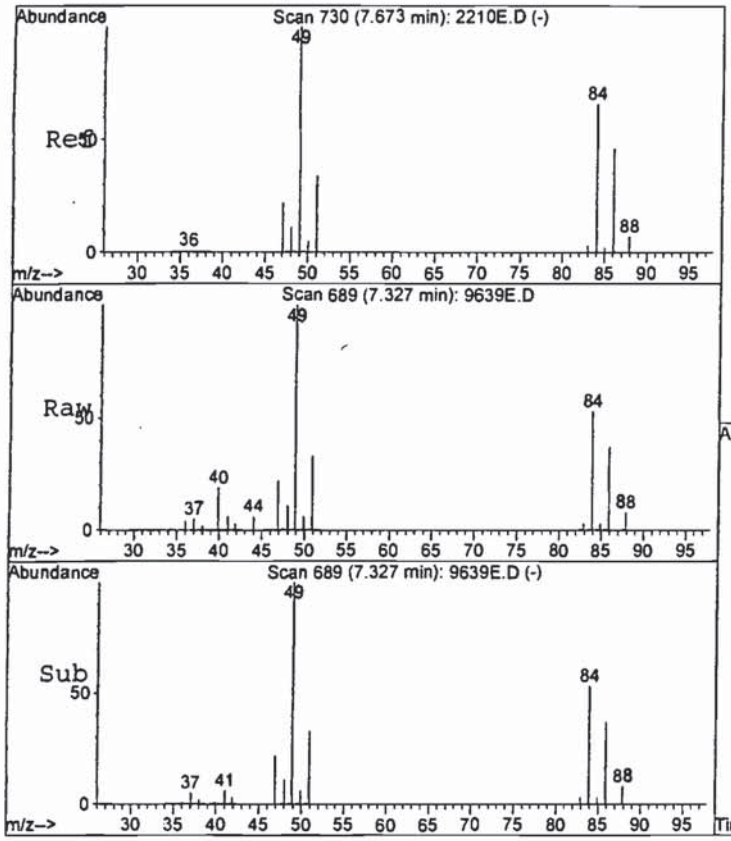
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9639E.D
Acq On : 17 Oct 06 13:28
Sample : A749079 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 13:57 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

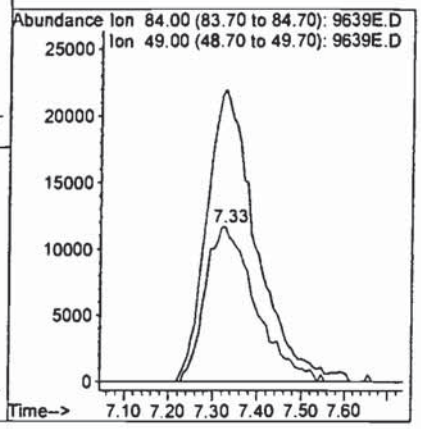


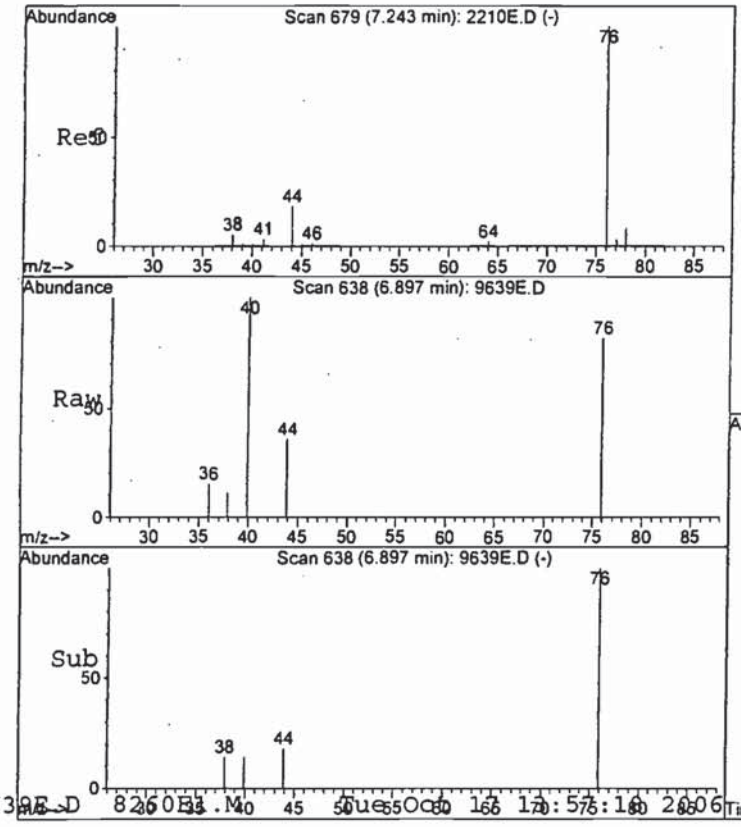


#13
Methylene Chloride
Concen: 2.13 UG/L
RT: 7.33 min Scan# 689
Delta R.T. 0.09 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 84 Resp: 92422

Ion	Ratio	Lower	Upper
84	100		
49	183.6	123.1	184.7

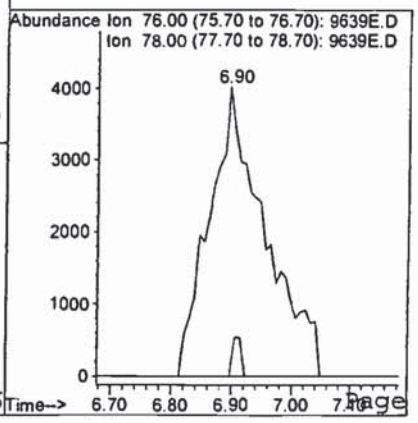


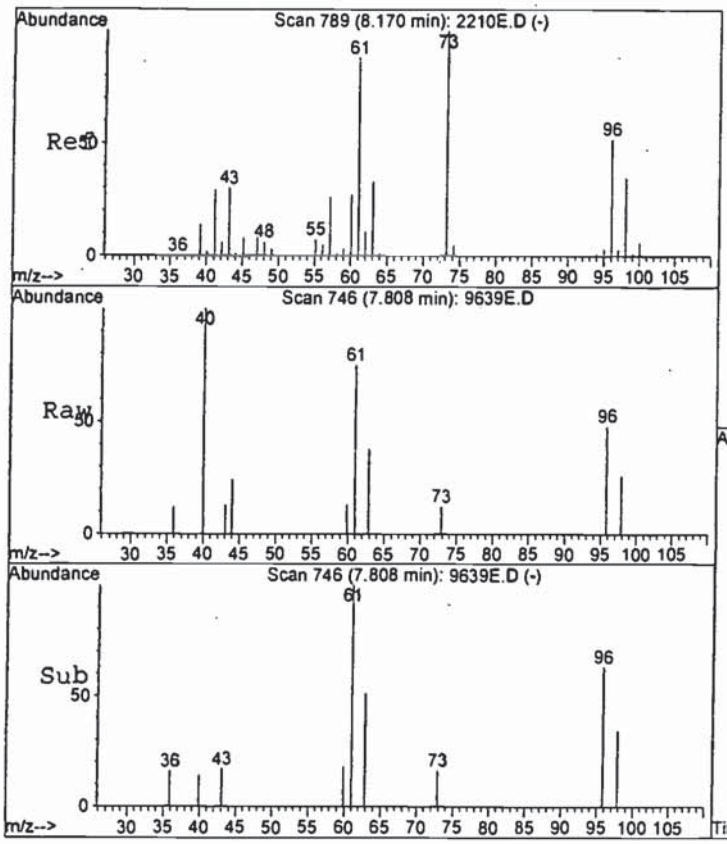


#15
Carbon Disulfide
Concen: 1363.90 UG/L
RT: 6.90 min Scan# 638
Delta R.T. 0.09 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 76 Resp: 25683

Ion	Ratio	Lower	Upper
76	100		
78	2.1	8.2	12.2#

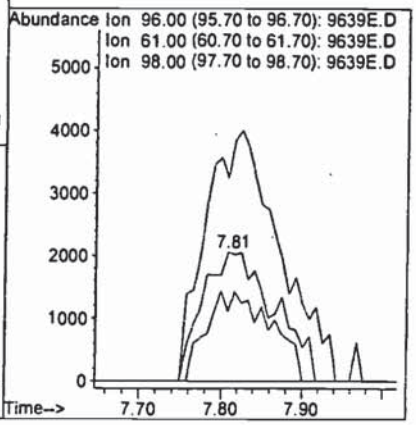


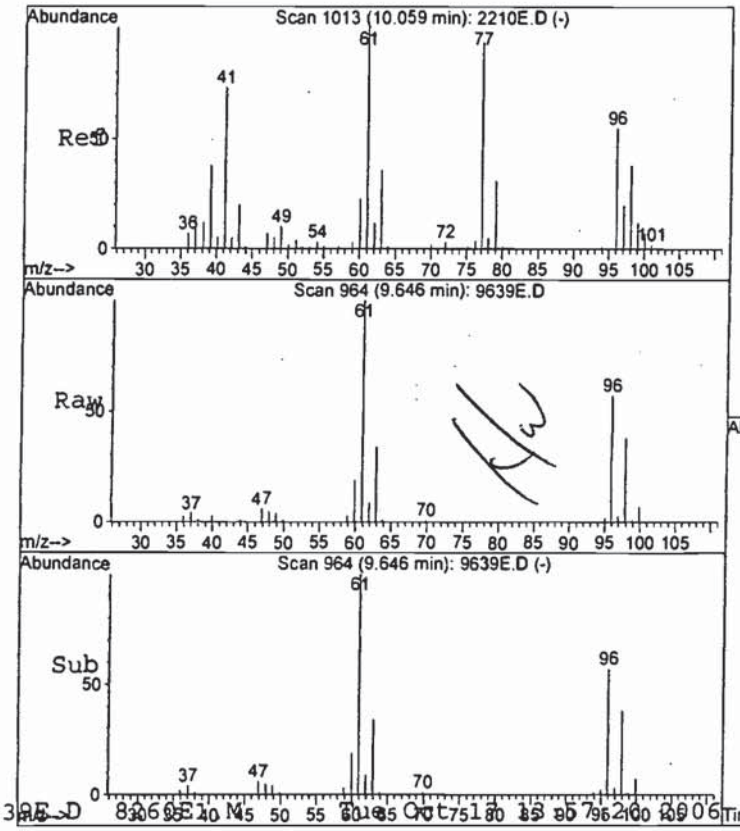


#17
trans-1,2-Dichloroethene
Concen: 1.20 UG/L
RT: 7.81 min Scan# 746
Delta R.T. 0.08 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 96 Resp: 12577

Ion	Ratio	Lower	Upper
96	100		
61	202.6	114.7	172.1#
98	22.8	51.6	77.4#

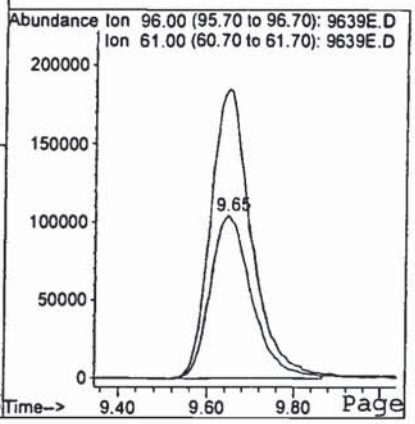


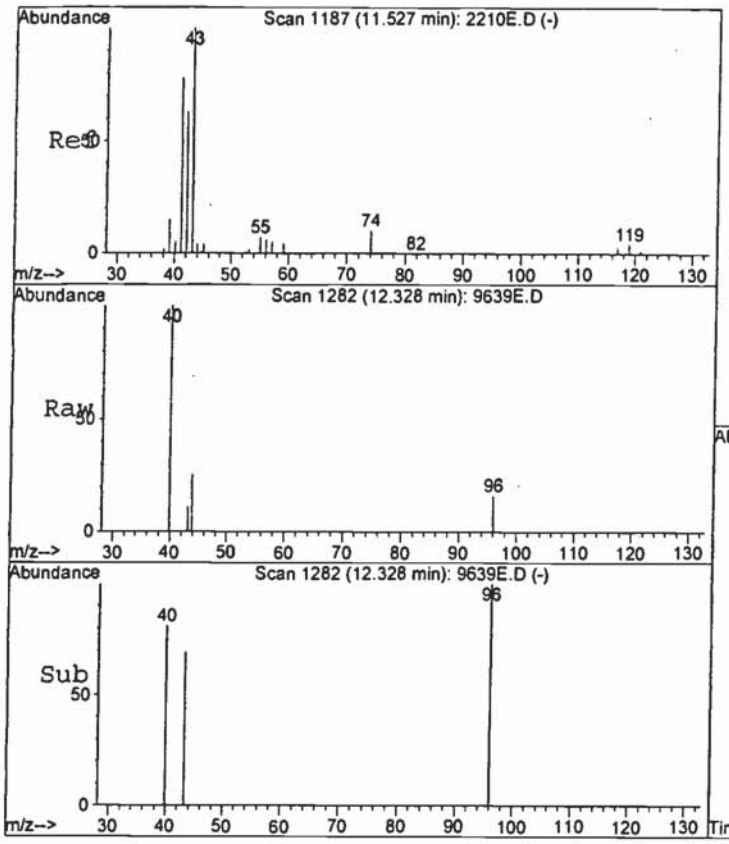


#23
cis-1,2-Dichloroethene
Concen: 61.01 UG/L
RT: 9.65 min Scan# 964
Delta R.T. 0.08 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 96 Resp: 694995

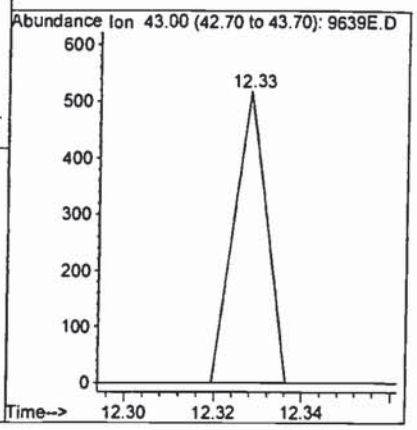
Ion	Ratio	Lower	Upper
96	100		
61	175.8	115.0	172.6#

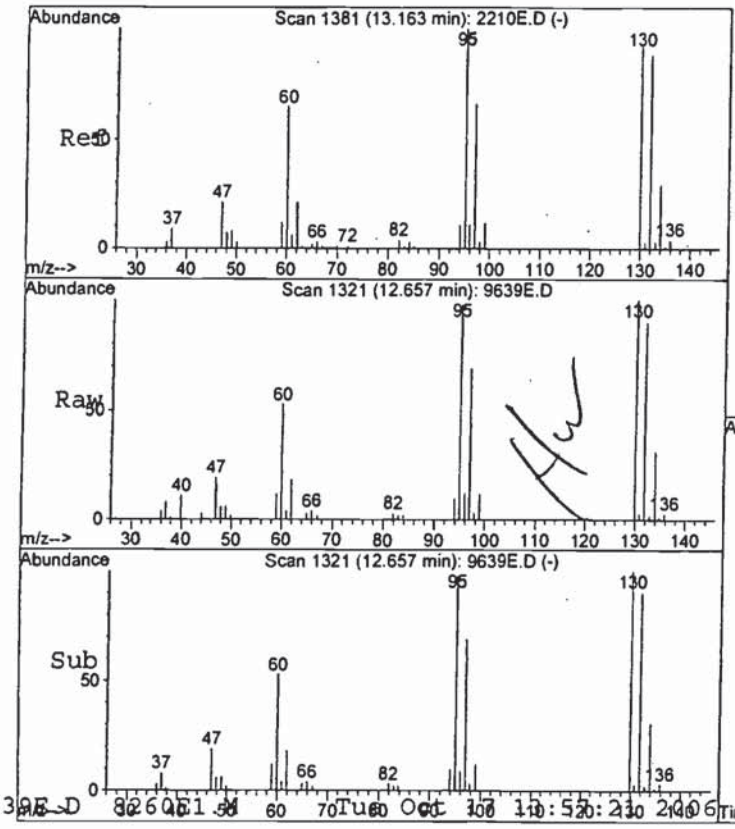




#36
N-Butanol
Concen: 1.17 UG/L
RT: 12.33 min Scan# 1282
Delta R.T. -0.04 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 43 Resp: 262

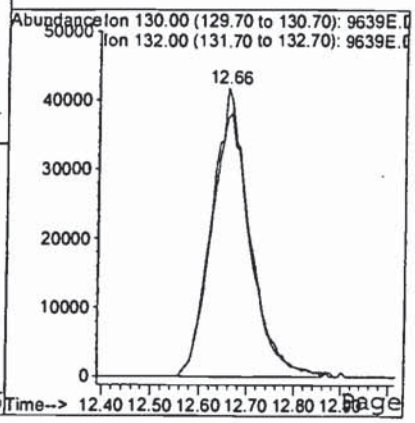


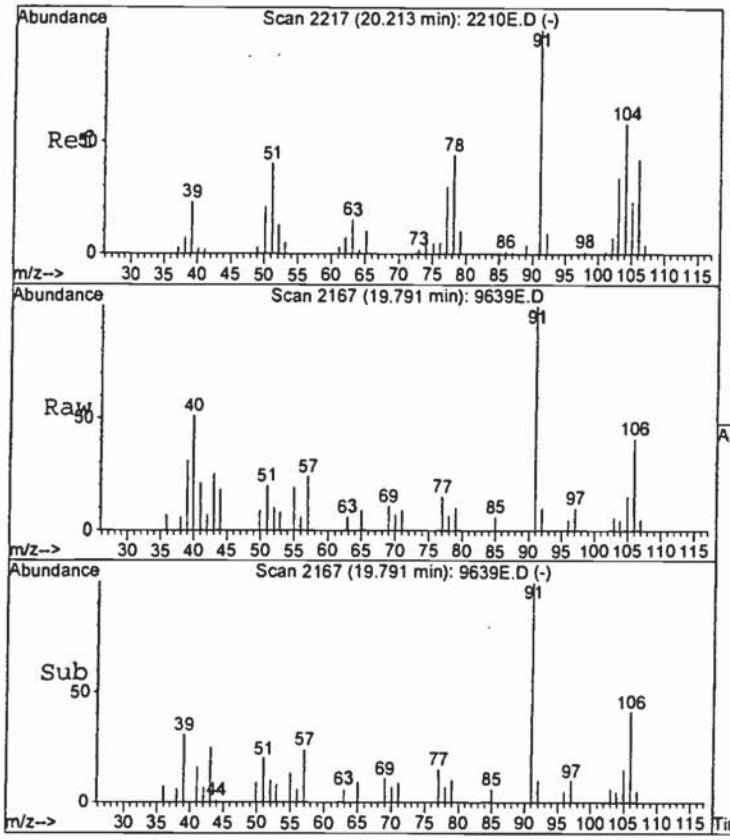


#37
Trichloroethene
Concen: 18.88 UG/L
RT: 12.66 min Scan# 1321
Delta R.T. 0.08 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion:130 Resp: 228439

Ion	Ratio	Lower	Upper
130	100		
132	97.7	77.4	116.2

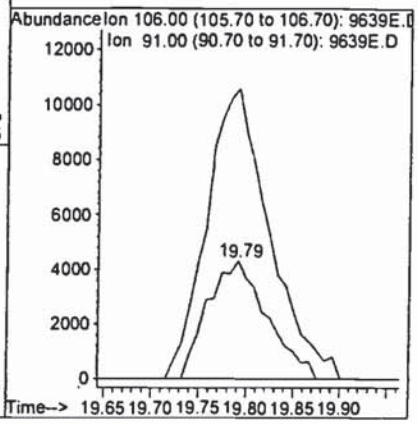


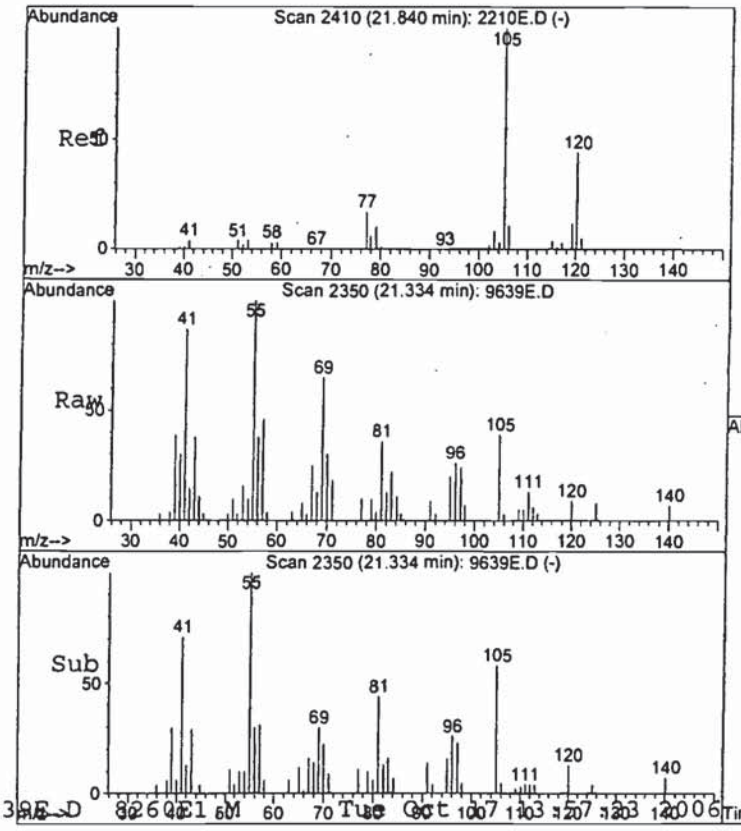


#60
o-Xylene
Concen: 1.55 UG/L
RT: 19.79 min Scan# 2167
Delta R.T. 0.08 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion:106 Resp: 18804

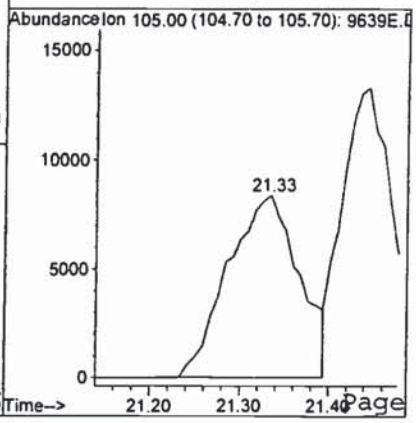
Ion	Ratio	Lower	Upper
106	100		
91	260.0	173.6	260.4

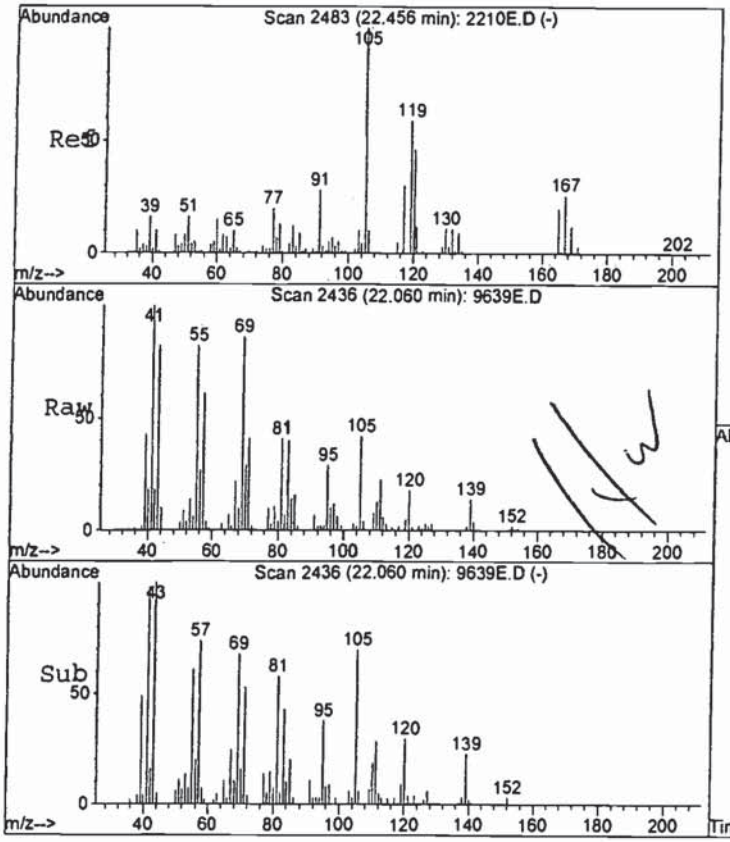




#69
1,3,5-Trimethylbenzene
Concen: 2.10 UG/L
RT: 21.33 min Scan# 2350
Delta R.T. -0.04 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

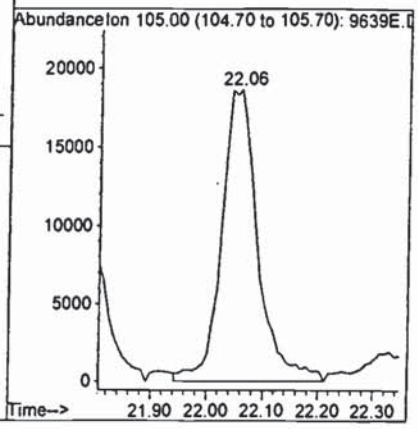
Tgt Ion:105 Resp: 46366

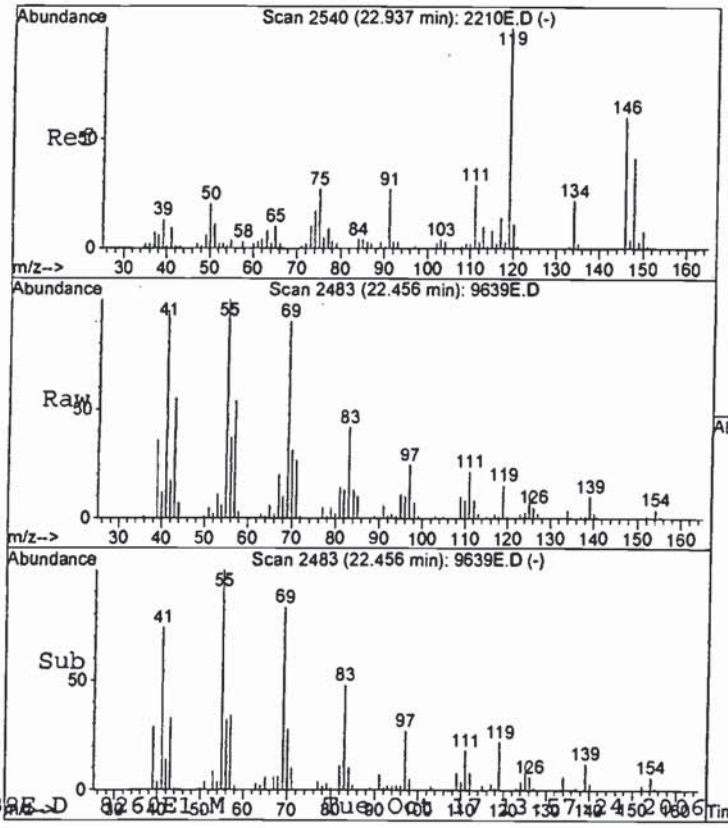




#73
1,2,4-Trimethylbenzene
Concen: 3.93 UG/L
RT: 22.06 min Scan# 2436
Delta R.T. 0.08 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

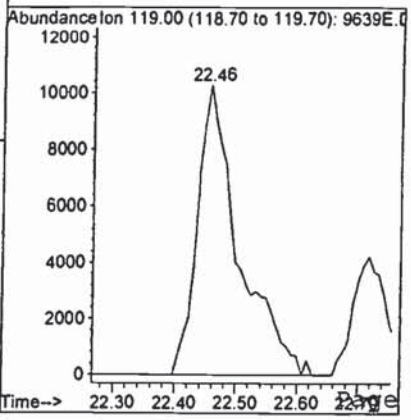
Tgt Ion:105 Resp: 83714





#75
p-Isopropyltoluene
Concen: 2.26 UG/L
RT: 22.46 min Scan# 2483
Delta R.T. -0.02 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion:119 Resp: 48308



Quantitation Report (Not Reviewed)

Data File : E:\DATA\E101706\9639E.D
Acq On : 17 Oct 06 13:28
Sample : A749079 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:42 19106

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.90	96	1451999	50.00 UG/L	0.04
9) CHLOROBENZENE-d5	18.54	117	1221423	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.62	152	650885	50.00 UG/L	0.04

System Monitoring Compounds

Target Compounds					Qvalue
3) Acetonitrile	7.05	40	451	-158.51 UG/L #	100
6) Methacrylonitrile	10.10	67	10746	3205.10 UG/L #	100
12) trans-1,4-Dichloro-2-buten	20.52	53	3808	788.73 UG/L #	100

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

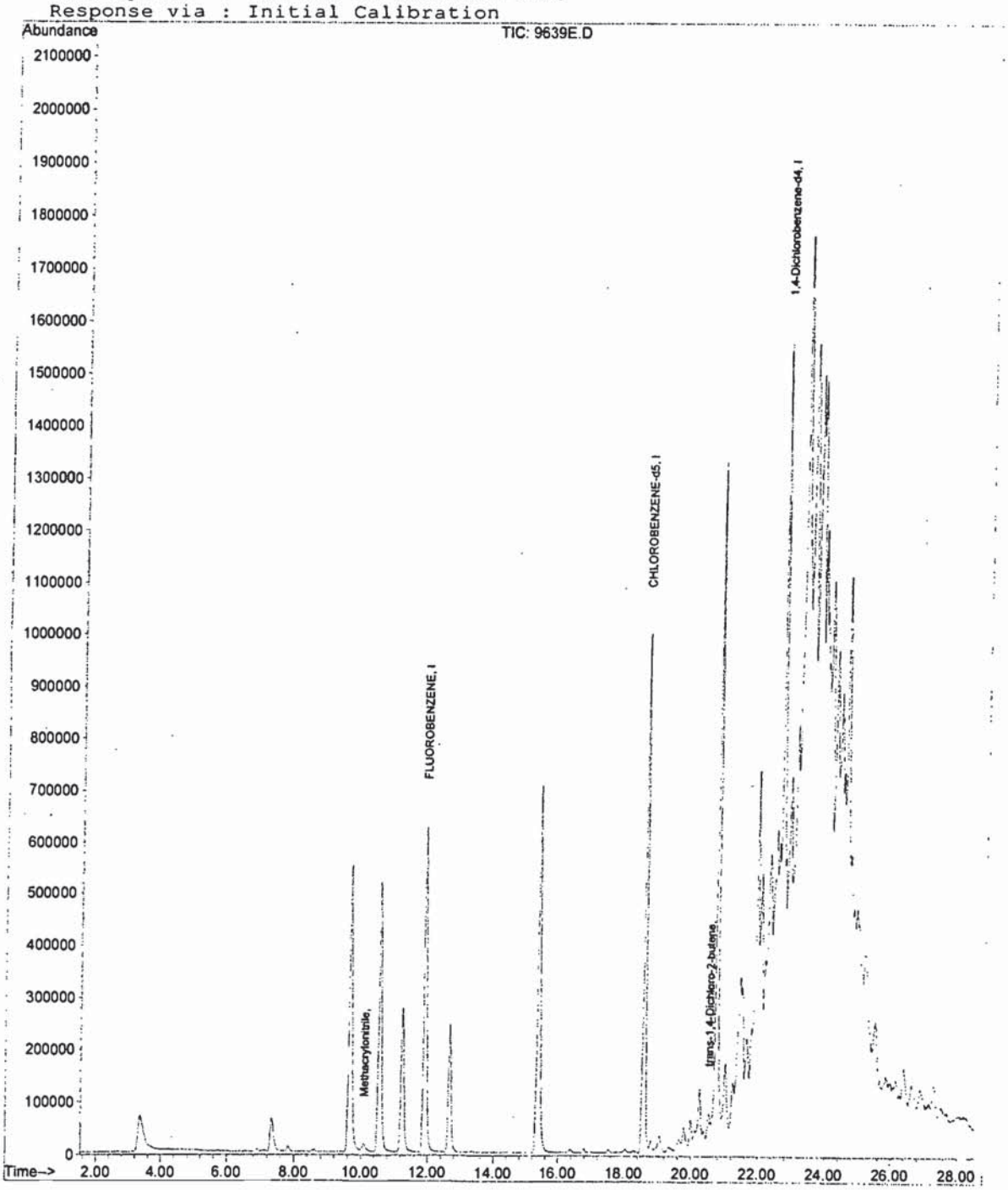
Quantitation Report

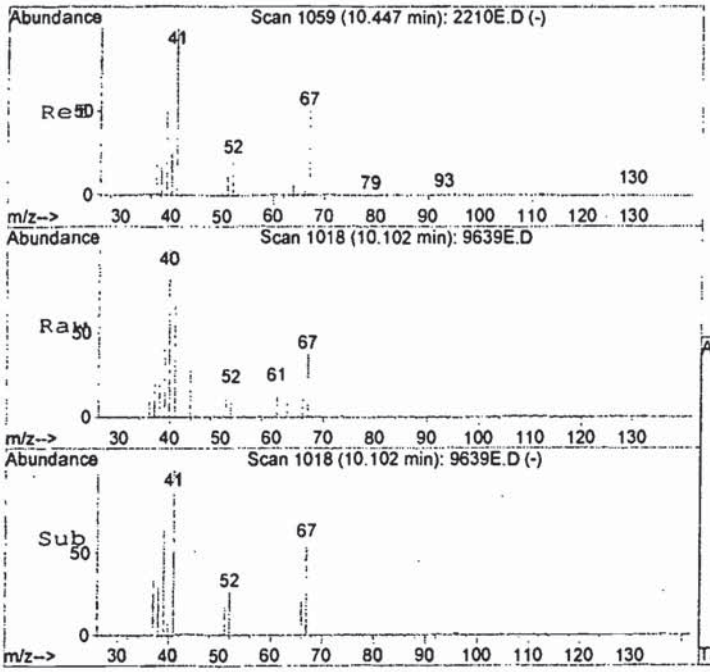
Data File : E:\DATA\E101706\9639E.D
Acq On : 17 Oct 06 13:28
Sample : A749079 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 19 9:42 19106

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

Quant Results File: APPIXX.RES

Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration

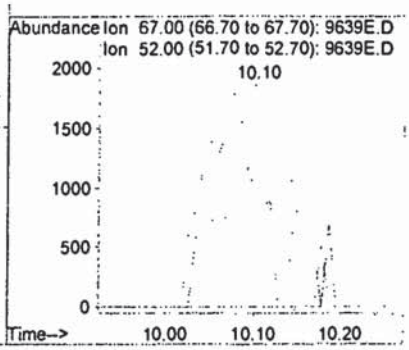


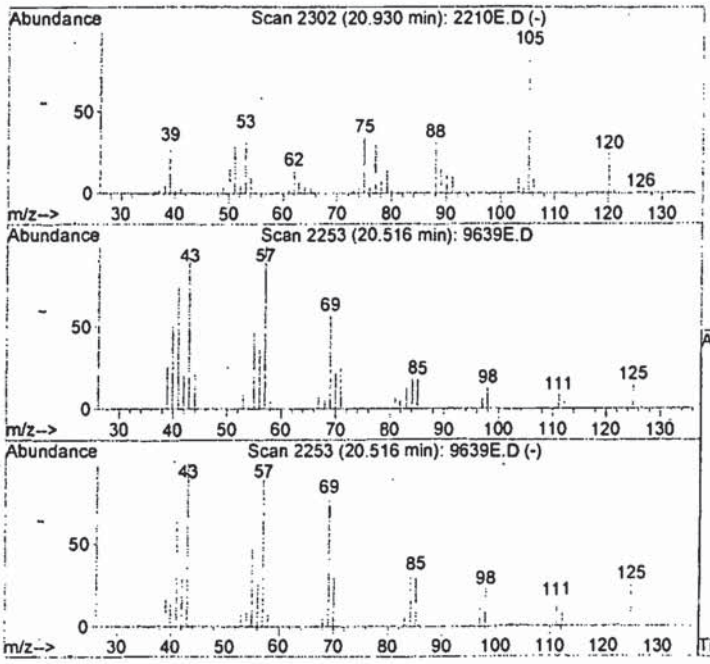


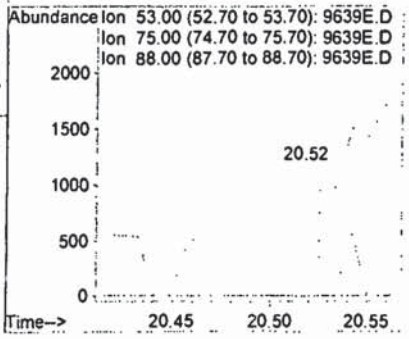
#6
Methacrylonitrile-
Concen: 3205.10 UG/L
RT: 10.10 min Scan# 1018
Delta R.T. 0.04 min
Lab File: 9639E.D
Acq: 17 Oct 06 13:28

Tgt Ion: 67 Resp: 10746

Ion	Ratio	Lower	Upper
67	100		
52	43.9	0.0	0.0#







Response Factor Report GC/MS Ins

Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration

Calibration Files

5	=8518E.D	20	=8520E.D	50	=8521E.D
100	=8522E.D	10	=8519E.D		=

	Compound	5	20	50	100	10	Avg	%RSD	
1) I	FLUOROBENZENE	----------ISTD----------							
2)	Allyl Chloride	1.3465	1.2032	1.0971	1.1229	1.2272	1.199	E1 8.21	
3)	Acetonitrile	r = 0.13597 + 0.04736*a + 0.00144*aE2 rE2 = 0.995							QDR
4)	Chloroprene	r = 0.03188 + 0.17344*a + -0.00329*aE2 rE2 = 0.997							QDR
5)	Ethyl Cyanide	0.4208	0.4069	0.3692	0.3646	0.3982	0.3919	6.2	
6)	Methacrylonitrile	r = 0.54372 + 0.85546*a + -0.01348*aE2 rE2 = 0.998							QDDR
7)	1,4-Dioxane	0.0879	0.0846	0.0705	0.0670	0.0766	0.0773	11.5	
8)	Methyl Methacrylate	7.7622	6.8536	5.9719	5.4100	7.0050	6.6005	13.9	
9) I	CHLOROBENZENE-d5	----------ISTD----------							
10)	Ethyl Methacrylate	r = 0.26769 + 6.98595*a + -0.84439*aE2 rE2 = 1.000							QDR
11) I	1,4-Dichlorobenzene-d	----------ISTD----------							
12)	trans-1,4-Dichloro-2-	r = 0.09028 + 1.89432*a + -0.12043*aE2 rE2 = 1.000							QDR

(#) = Out of Range (Advisory for non CCC, SPCC) 0 SPCC fail 0 CCC fail

APPIXX.M Tue Jul 18 07:32:10 2006 RPT1

Average RSD= 17.16

Page 1 of 1

7/18/06

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration

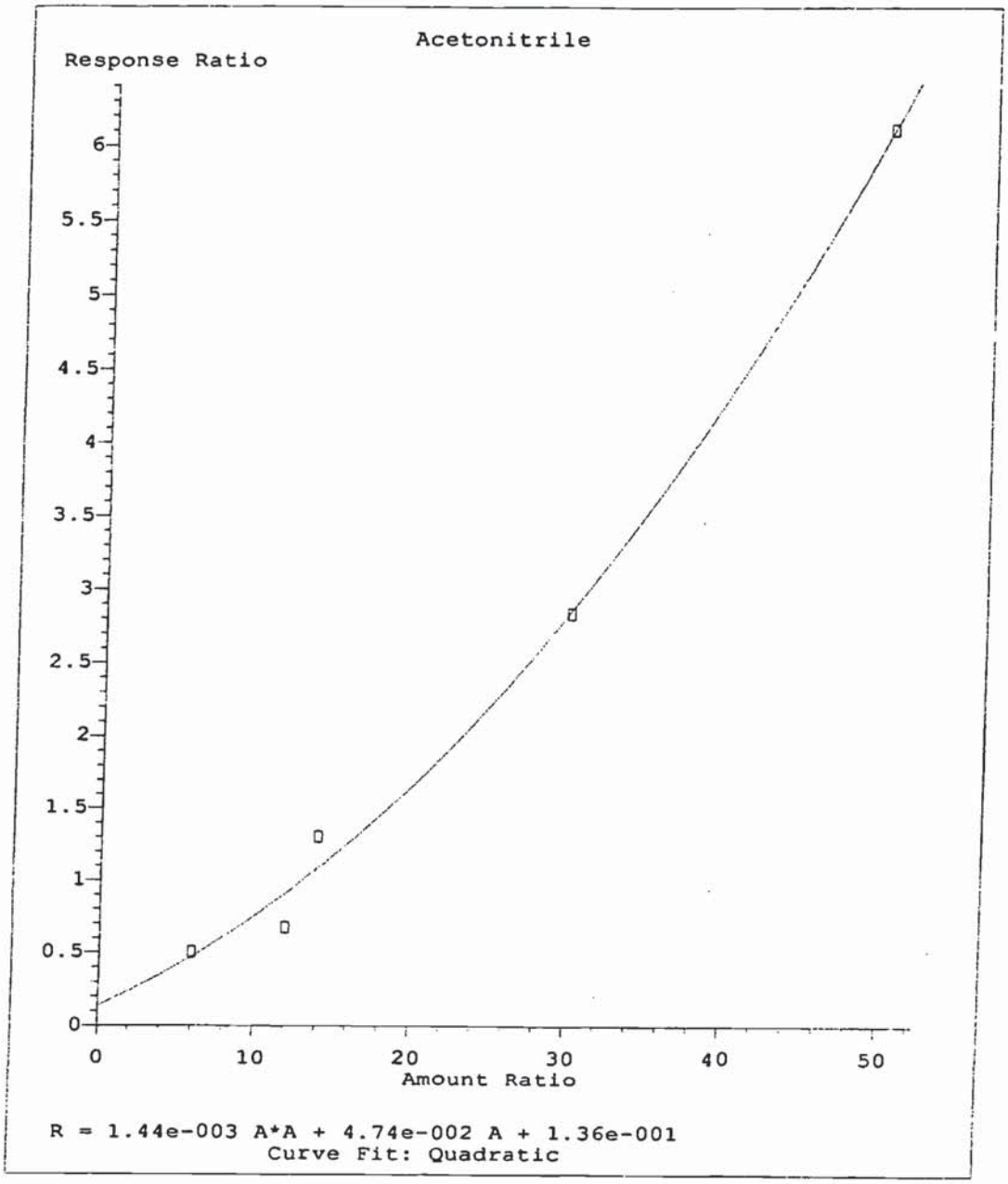
Calibration Files
5 =8518E.D 20 =8520E.D 50 =8521E.D
100 =8522E.D 10 =8519E.D =

	Compound	5	20	50	100	10	Avg	%RSD
1) I	FLUOROBENZENE	----------ISTD----------						
2)	Allyl Chloride	1.347	1.203	1.097	1.123	1.227	1.199	E1 8.21
3)	Acetonitrile	0.084	0.093	0.094	0.122	0.056	0.090	26.31 -QD'
4)	Chloroprene	0.216	0.183	0.142	0.109	0.155	0.161	25.15 -QR
5)	Ethyl Cyanide	0.421	0.407	0.369	0.365	0.398	0.392	6.20
6)	Methacrylonitrile	1.220	1.010	0.760	0.615	1.102	0.941	26.45 -QD'
7)	1,4-Dioxane	0.088	0.085	0.070	0.067	0.077	0.077	11.52
8)	Methyl Methacrylate	7.762	6.854	5.972	5.410	7.005	6.601	13.95
9) I	CHLOROBENZENE-d5	----------ISTD----------						
10)	Ethyl Methacrylate	9.040	7.630	6.347	5.437	8.059	7.302	19.48 -QDR
11) I	1,4-Dichlorobenzene-d	----------ISTD----------						
12)	trans-1,4-Dichloro-	2.269	1.962	1.689	1.436	2.035	1.878	17.17 -QDR

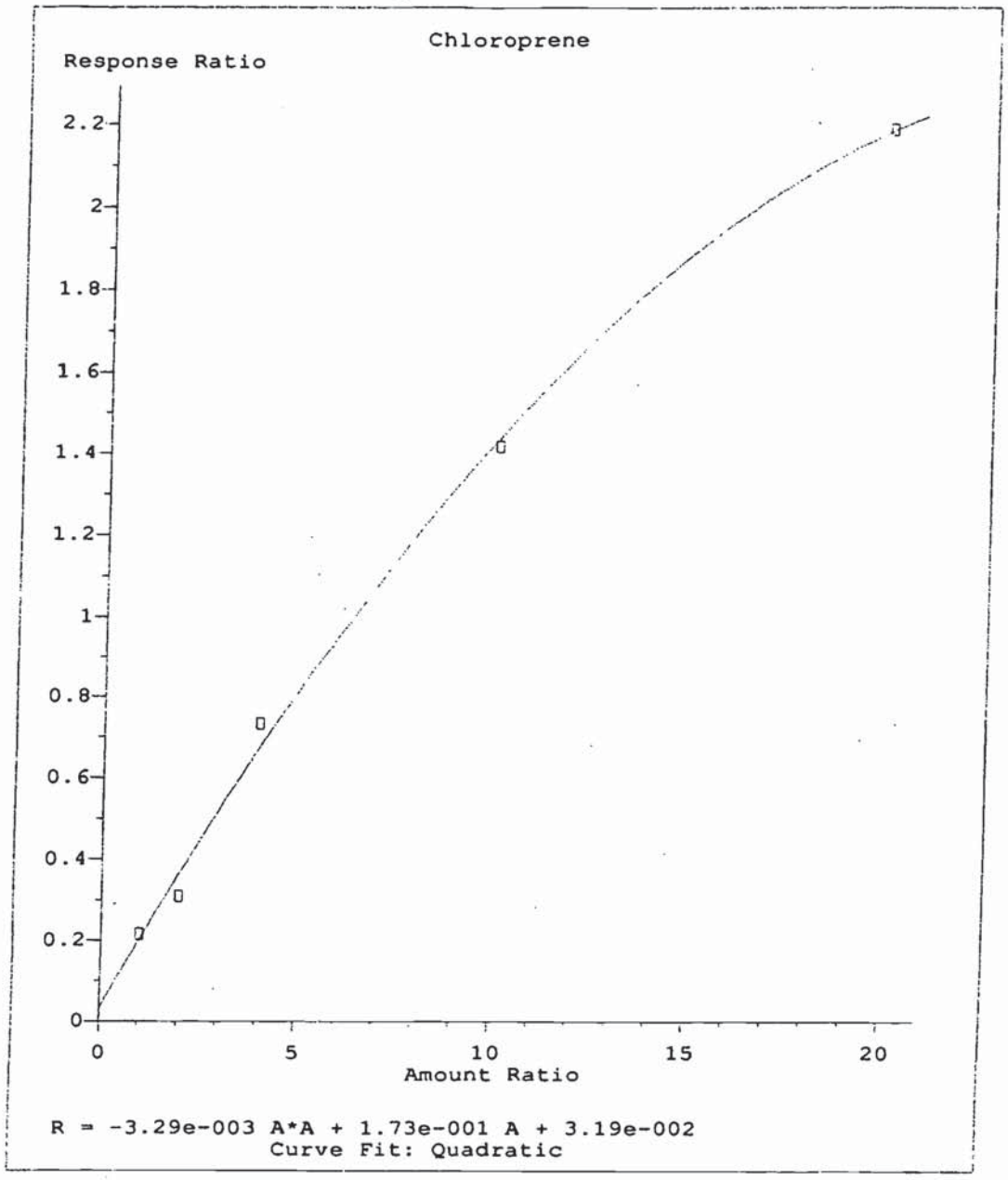
(#) = Out of Range

APPIXX.M Mon Jul 17 08:06:43 2006

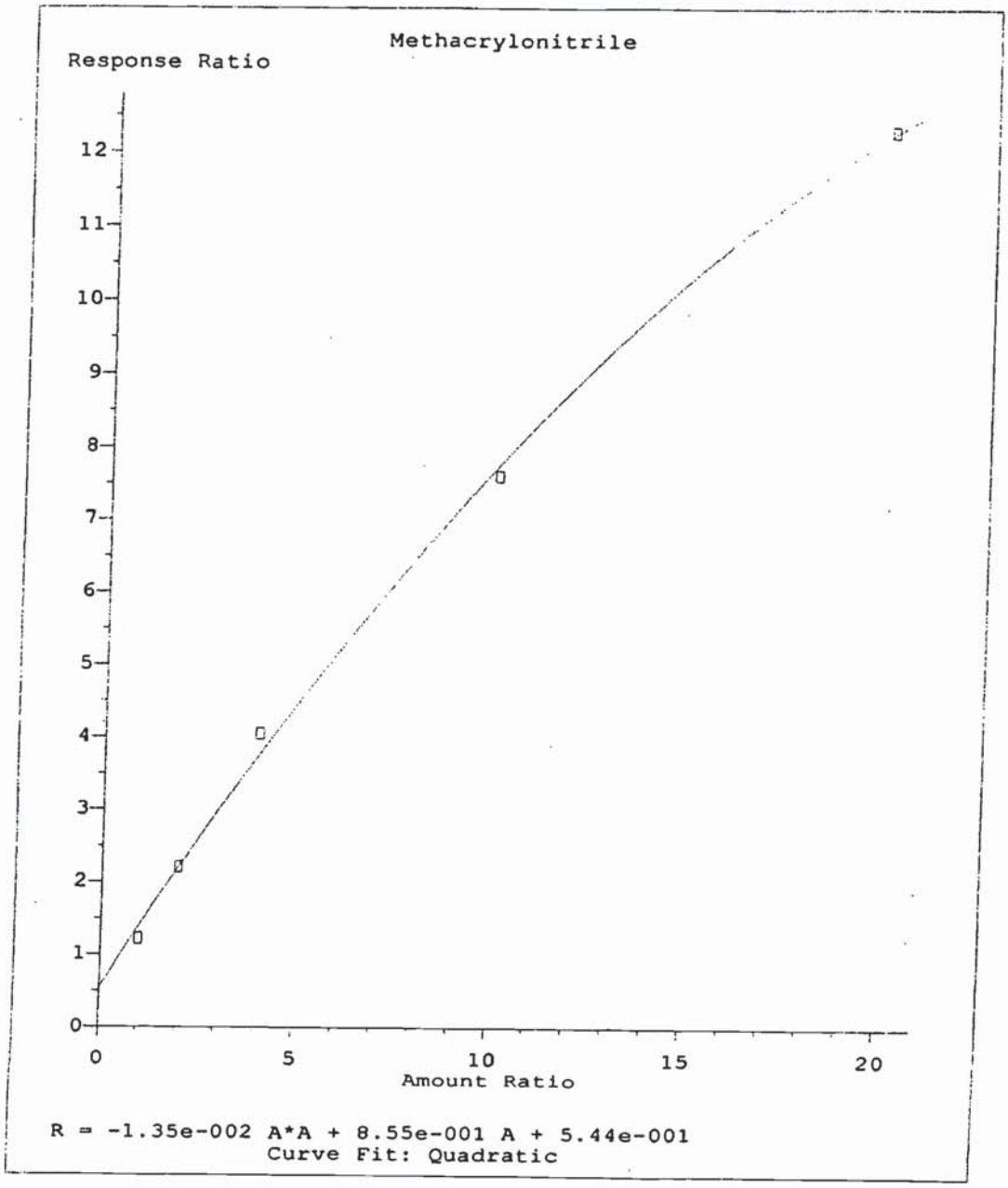
~~Cal table.mac un defined symbol: RFile$~~



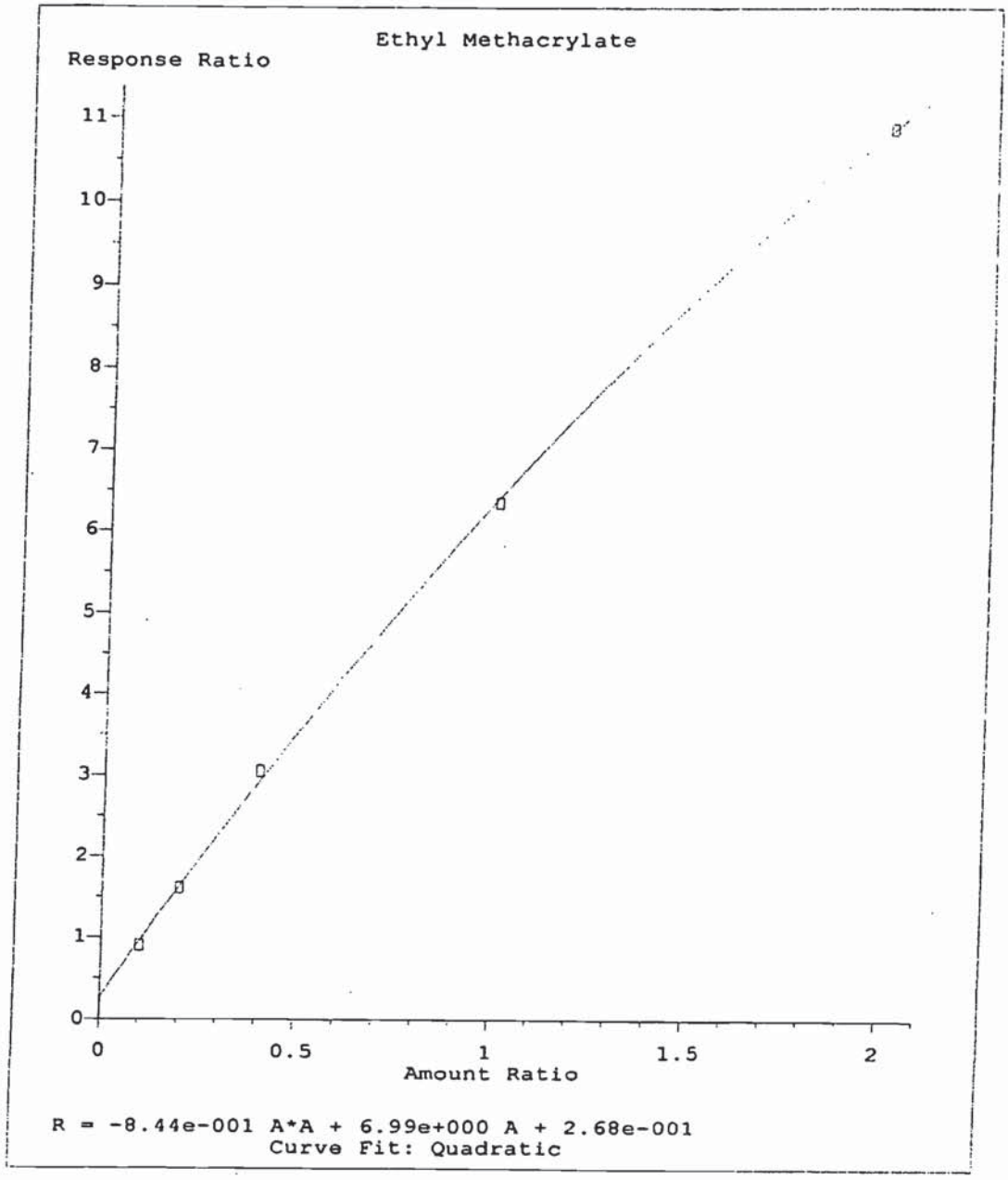
Method Name: E:\1\METHODS\APPIXX.M
Calibration Table Last Updated: Wed Jul 12 06:48:06 2006



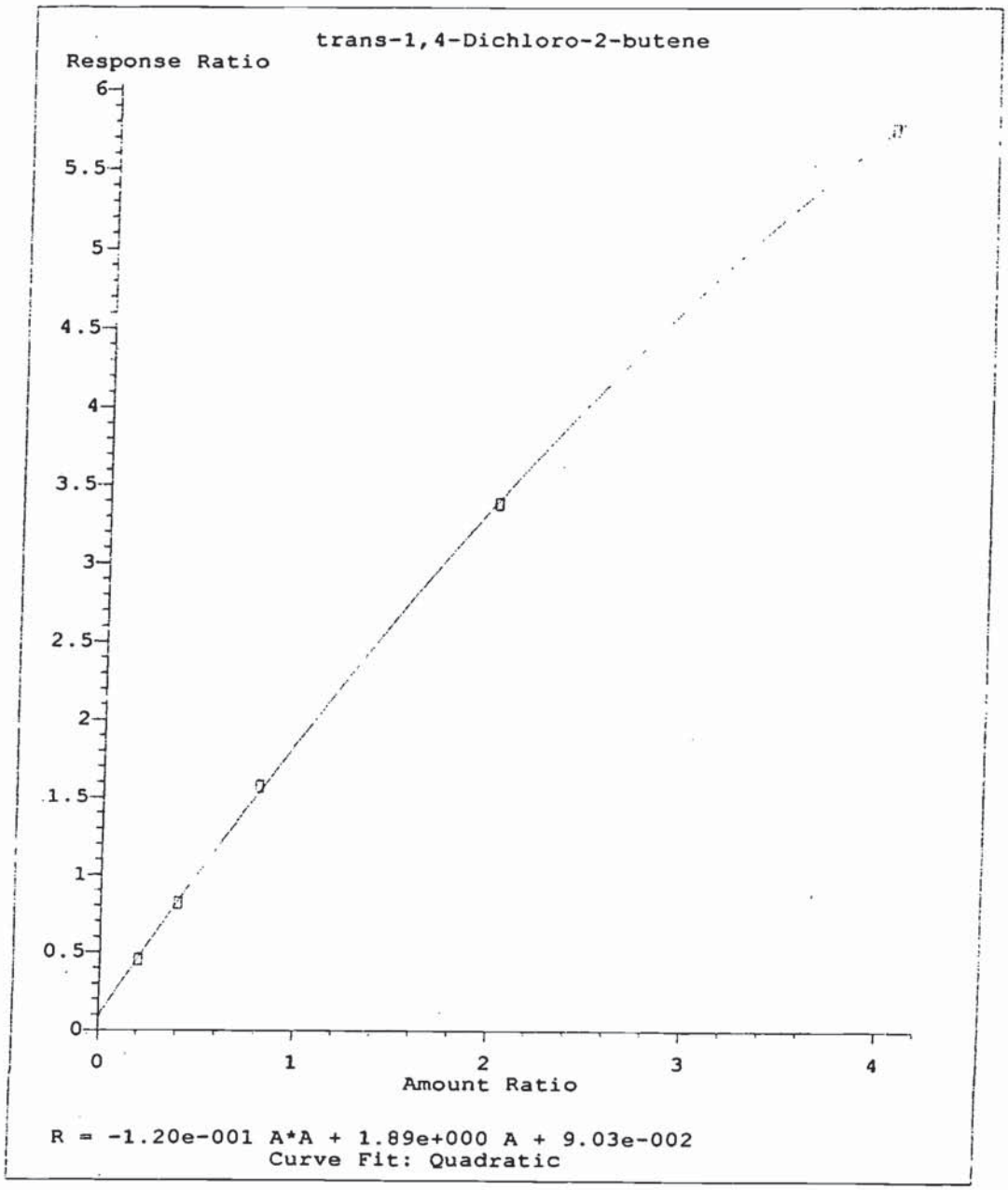
Method Name: E:\1\METHODS\APPIXX.M
Calibration Table Last Updated: Wed Jul 12 06:48:06 2006



Method Name: E:\1\METHODS\APPIXX.M
Calibration Table Last Updated: Tue Jul 18 07:19:49 2006



Method Name: E:\1\METHODS\APPIXX.M
Calibration Table Last Updated: Tue Jul 18 07:21:35 2006



Method Name: E:\1\METHODS\APPIXX.M
Calibration Table Last Updated: Tue Jul 18 07:21:35 2006

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E071306\8518E.D
Acq On : 13 Jul 06 18:06
Sample : VSTD005
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 8:53 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.82	96	1072800m	50.00 UG/L	0.02
9) CHLOROBENZENE-d5	18.49	117	929239	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.57	152	599289m	50.00 UG/L	0.03

System Monitoring Compounds

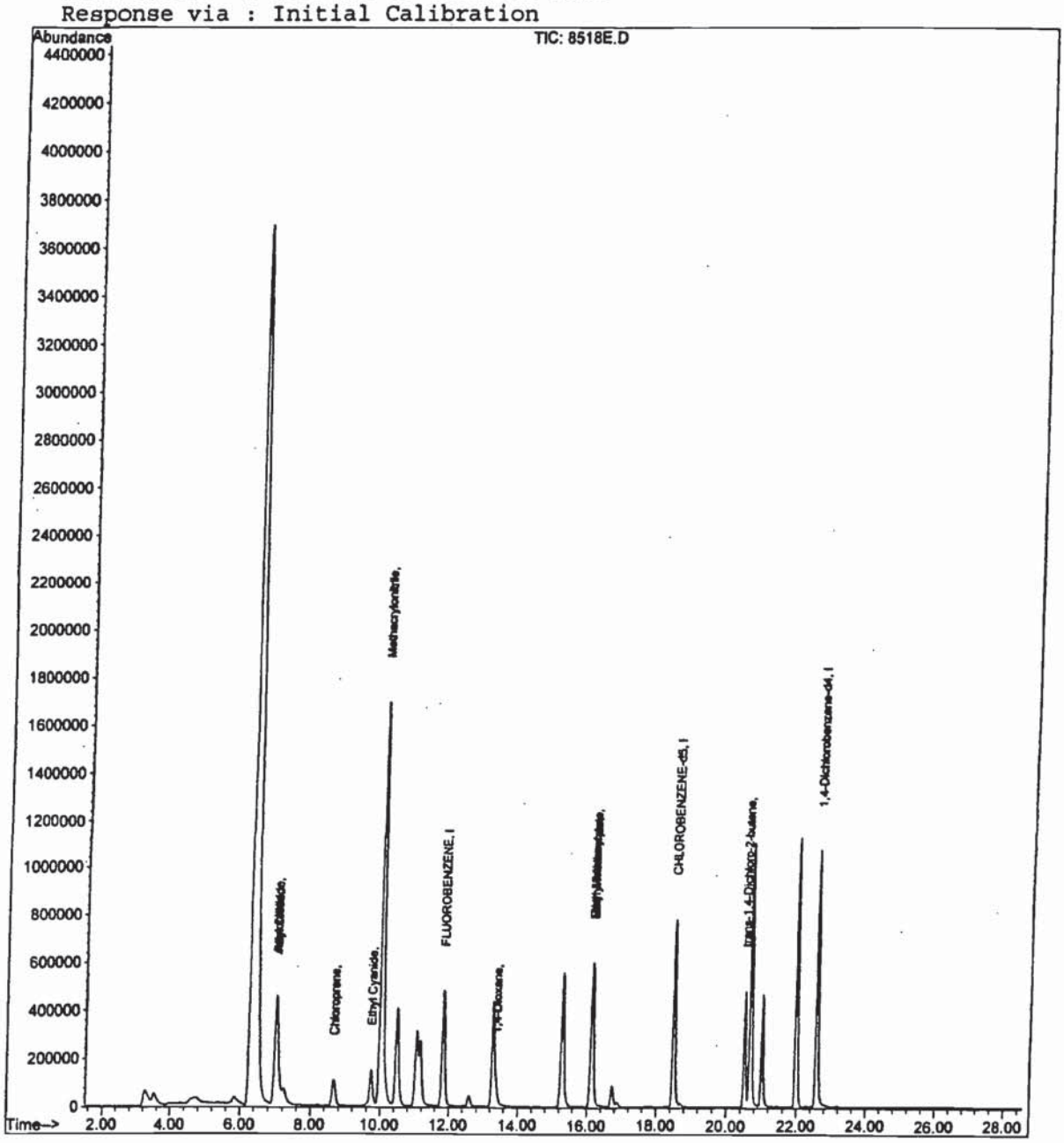
Target Compounds					Qvalue
2) Allyl Chloride	7.01	41	1444535	6.07 UG/L	100
3) Acetonitrile	6.99	40	541755m	374.32 UG/L	100
4) Chloroprene	8.65	53	231420	60.18 UG/L #	100
5) Ethyl Cyanide	9.72	54	451455	56.96 UG/L #	100
6) Methacrylonitrile	10.01	67	1308608	29.57 UG/L #	100
7) 1,4-Dioxane	13.37	88	131974	95.71 UG/L	100
8) Methyl Methacrylate	16.13	41	832731	4.28 UG/L	100
10) Ethyl Methacrylate	16.13	69	840045	3.85 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.51	53	272003	10.38 UG/L	100

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

Quantitation Report

Data File : C:\HPCHEM\DATA\E071306\8518E.D Vial: 1
Acq On : 13 Jul 06 18:06 Operator: HAROLD
Sample : VSTD005 Inst : GC/MS Ins
Misc : SPECIAL MIX Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 14 8:53 2006 Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E071306\8519E.D
Acq On : 13 Jul 06 18:45
Sample : VSTD010
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.83	96	1105127	50.00 UG/L	0.03
9) CHLOROBENZENE-d5	18.49	117	946158	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.57	152	591666	50.00 UG/L	0.03

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	7.00	41	2712468	11.07 UG/L	100
3) Acetonitrile	7.00	40	744844	464.49 UG/L #	100
4) Chloroprene	8.65	53	342833	97.66 UG/L #	100
5) Ethyl Cyanide	9.73	54	880028	104.84 UG/L #	100
6) Methacrylonitrile	10.04	67	2435742	108.14 UG/L #	100
7) 1,4-Dioxane	13.38	88	237056	166.89 UG/L	100
8) Methyl Methacrylate	16.13	41	1548277	10.52 UG/L	100
10) Ethyl Methacrylate	16.14	69	1524977	10.38 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.51	53	481684	21.00 UG/L #	100

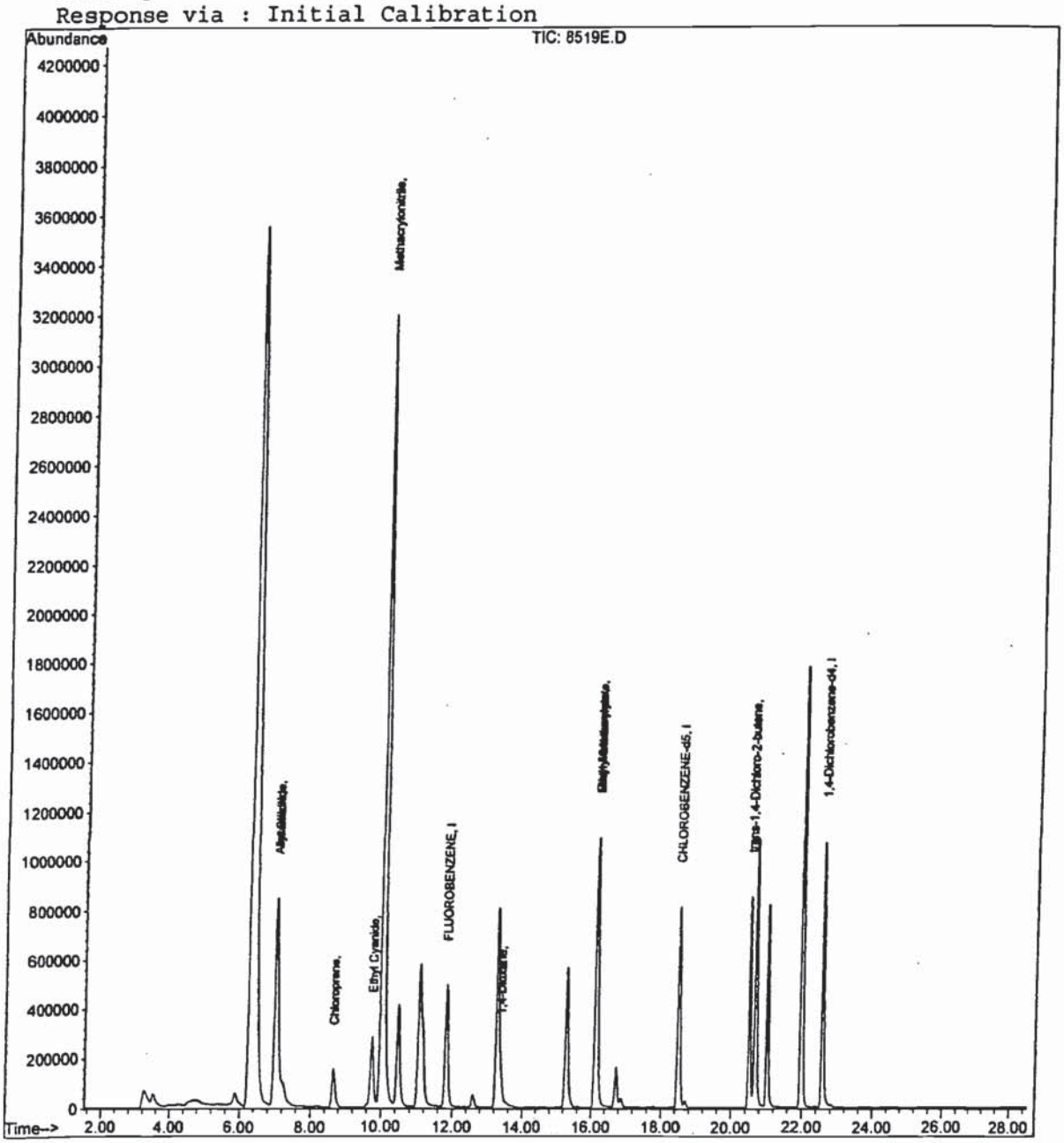
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E071306\8519E.D
Acq On : 13 Jul 06 18:45
Sample : VSTD010
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E071306\8520E.D
Acq On : 13 Jul 06 19:23
Sample : VSTD020
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.82	96	1105314	50.00 UG/L	0.02
9) CHLOROBENZENE-d5	18.49	117	950736	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.56	152	592578	50.00 UG/L	0.03

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	7.00	41	5319730	21.71 UG/L	100
3) Acetonitrile	7.01	40	1440227	790.23 UG/L #	100
4) Chloroprene	8.65	53	808696	274.84 UG/L #	100
5) Ethyl Cyanide	9.77	54	1799119	215.33 UG/L #	100
6) Methacrylonitrile	10.05	67	4466003	262.91 UG/L #	100
7) 1,4-Dioxane	13.39	88	523507	368.48 UG/L	100
8) Methyl Methacrylate	16.14	41	3030168	24.21 UG/L	100
10) Ethyl Methacrylate	16.13	69	2901507	24.15 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.51	53	929880	44.03 UG/L #	100

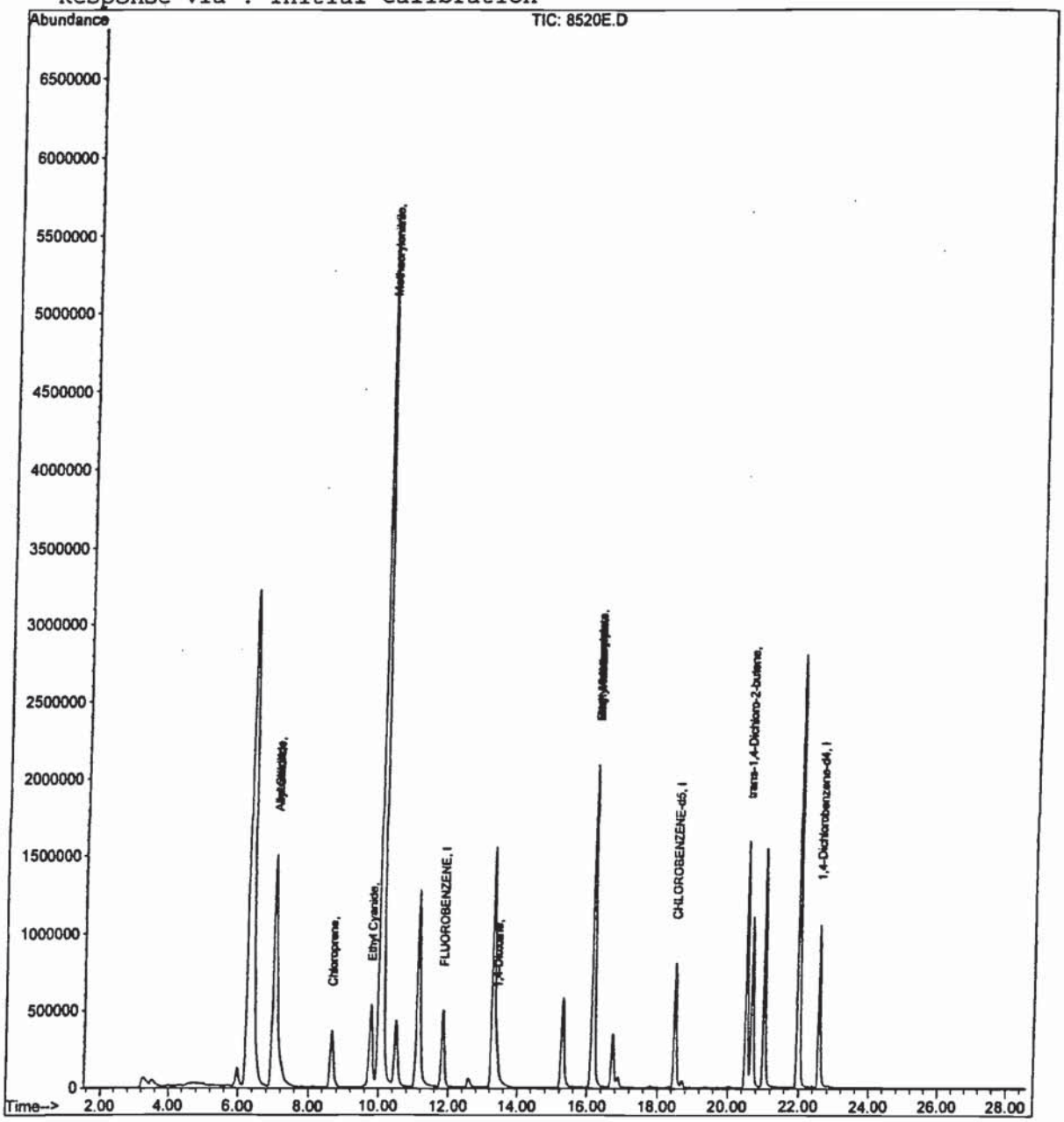
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E071306\8520E.D
Acq On : 13 Jul 06 19:23
Sample : VSTD020
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E071306\8521E.D
Acq On : 13 Jul 06 20:01
Sample : VSTD050
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.82	96	1087169	50.00 UG/L	0.02
9) CHLOROBENZENE-d5	18.48	117	944794	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.57	152	566048	50.00 UG/L	0.04

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	6.97	41	11927050	49.48 UG/L	100
3) Acetonitrile	7.05	40	3079861	1527.31 UG/L #	100
4) Chloroprene	8.63	53	1540231	611.29 UG/L #	100
5) Ethyl Cyanide	9.85	54	4013760	524.40 UG/L #	100
6) Methacrylonitrile	10.10	67	8257174	602.50 UG/L #	100
7) 1,4-Dioxane	13.43	88	1072962	767.84 UG/L	100
8) Methyl Methacrylate	16.15	41	6492441	58.96 UG/L	100
10) Ethyl Methacrylate	16.16	69	5996141	58.44 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.51	53	1912403	104.42 UG/L #	100

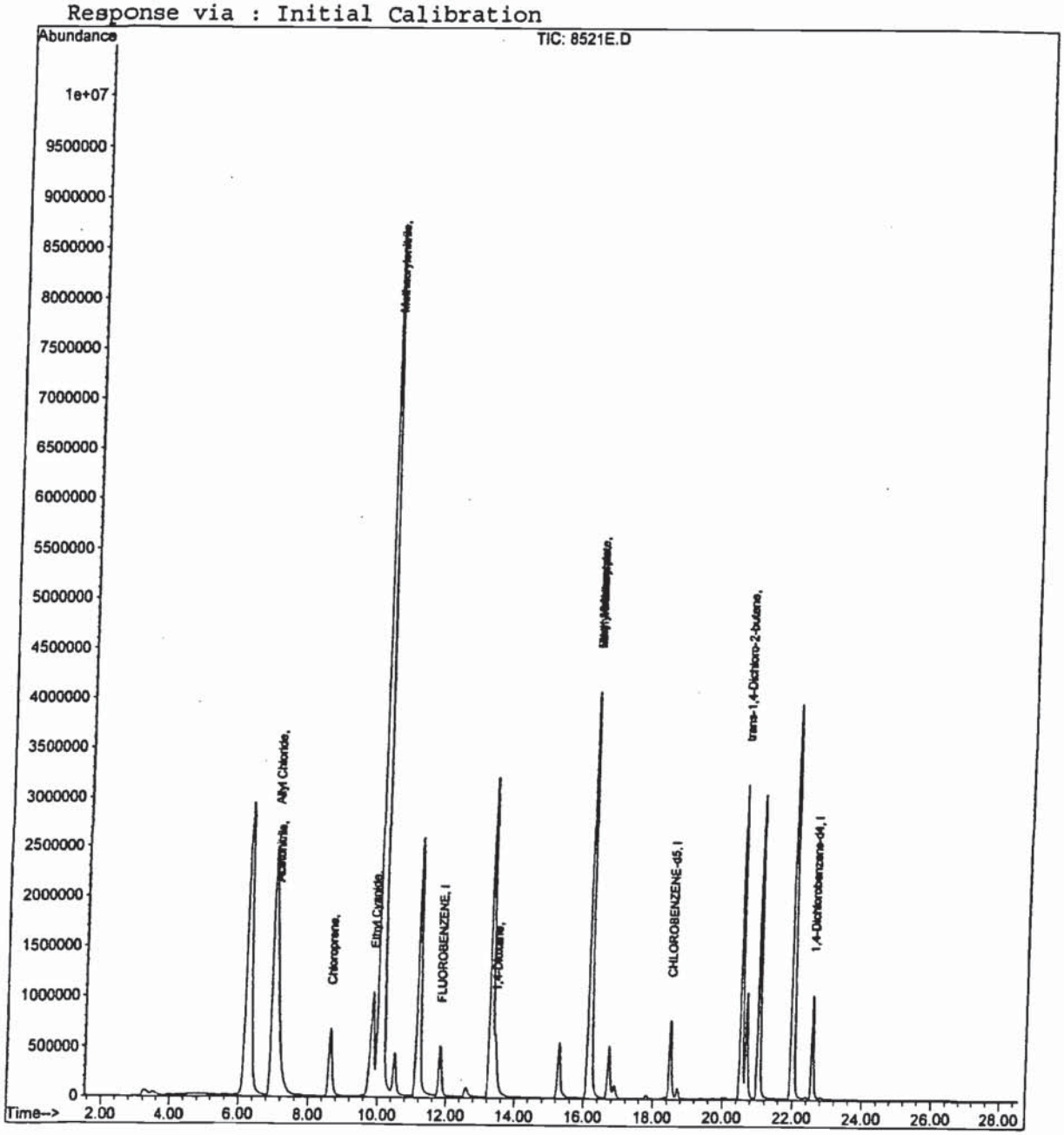
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E071306\8521E.D
Acq On : 13 Jul 06 20:01
Sample : VSTD050
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 2:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E071306\8522E.D Vial: 1
Acq On : 13 Jul 06 20:39 Operator: HAROLD
Sample : VSTD100 Inst : GC/MS Ins
Misc : SPECIAL MIX Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 14 8:51 2006 Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.82	96	1005232	50.00 UG/L	0.02
9) CHLOROBENZENE-d5	18.49	117	884201	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.56	152	559353	50.00 UG/L	0.03

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	6.91	41	22575804m	101.30 UG/L	100
3) Acetonitrile	7.09	40	6139847m	2912.37 UG/L	100
4) Chloroprene	8.59	53	2198030m	1138.18 UG/L	100
5) Ethyl Cyanide	9.96	54	7330568m	1340.24 UG/L	100
6) Methacrylonitrile	10.17	67	12354551m	1204.00 UG/L	100
7) 1,4-Dioxane	13.47	88	1885988m	1459.67 UG/L	100
8) Methyl Methacrylate	16.17	41	10876528	117.17 UG/L	100
10) Ethyl Methacrylate	16.18	69	9613951m	115.12 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.53	53	3212910m	200.38 UG/L	100

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

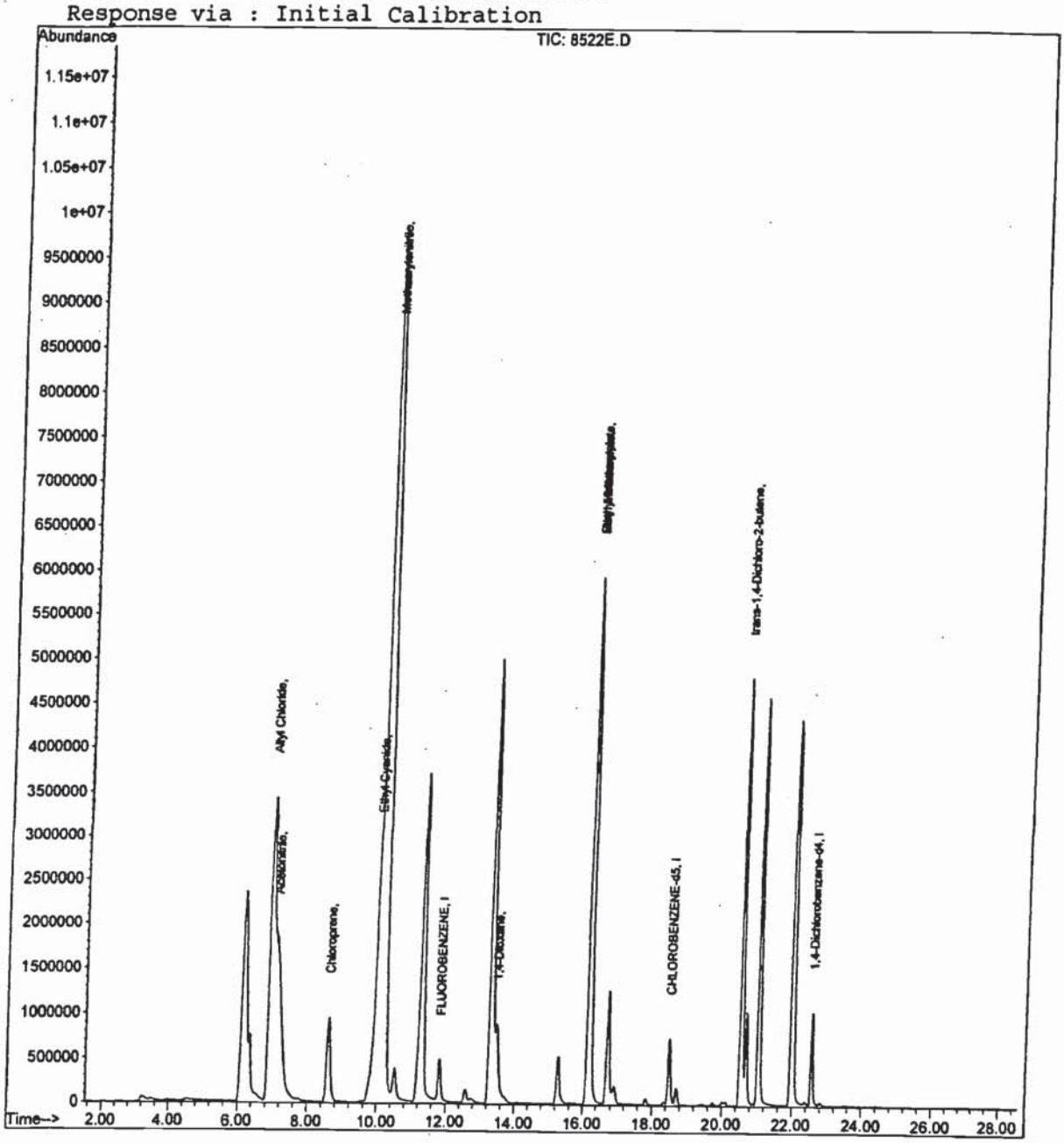
Quantitation Report

Data File : C:\HPCHEM\DATA\E071306\8522E.D
Acq On : 13 Jul 06 20:39
Sample : VSTD100
Misc : SPECIAL MIX
MS Integration Params: rteint.p
Quant Time: Jul 14 8:51 2006

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

Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 06:48:06 2006
Response via : Initial Calibration



Response Factor Report GC/MS Ins

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

Calibration Files
5 =8922E.D 20 =8925E.D 50 =8926E.D
100 =8927E.D 200 =8928E.D 10 =8924E.D

	Compound	5	20	50	100	200	10	Avg	%RSD
1)I	FLUOROBENZENE	----------ISTD----------							
2)	Dichlorodifluoromet	0.5180	0.5189	0.5104	0.5005	0.4736	0.5286	0.5084	3.8
3)P	Chloromethane	0.4174	0.4214	0.4008	0.4058	0.4126	0.4299	0.4146	2.6
4)C	VINYL CHLORIDE	0.3838	0.3870	0.3747	0.3860	0.3895	0.3951	0.3860	1.8
5)	Bromomethane	r = 0.00507 + 0.31831*a + -0.08064*aE2 rE2 = 0.999							
6)	Chloroethane	0.2188	0.2101	0.1976	0.1569	0.2184		0.2004	12.9
7)	Trichlorofluorometh	0.5706	0.6141	0.5806	0.5295	0.4382	0.6215	0.5591	12.1
8)	Acrolein	0.0112	0.0115	0.0109	0.0101	0.0088	0.0119	0.0107	10.3
9)	Diethyl Ether	0.2406	0.2487	0.2413	0.2348	0.2166	0.2554	0.2396	5.6
10)	Trichlorotrifluoroe	0.7091	0.6497	0.6281	0.5579	0.5088	0.6924	0.6243	12.5
11)	Acetone	0.1553	0.1355	0.1316	0.1123	0.1133	0.1389	0.1311	12.5
12)CM	1,1-DICHLOROETHENE	0.3403	0.3404	0.3275	0.3077	0.2669	0.3531	0.3227	9.7
13)	Methylene Chloride	r = 0.04771 + 0.37410*a + -0.00598*aE2 rE2 = 1.000							
14)	Acrylonitrile	0.0919	0.0950	0.0923	0.0914	0.0833	0.1014	0.0926	6.3
15)	Carbon Disulfide	r = 0.04384 + 1.10108*a + -0.04040*aE2 rE2 = 1.000							
16)	Vinyl Acetate	0.3193	0.3128	0.3066	0.3019	0.2810	0.3222	0.3073	4.9
17)	trans-1,2-Dichloroe	0.3831	0.3751	0.3678	0.3405	0.3040	0.3882	0.3598	8.9
18)P	1,1-Dichloroethane	0.8452	0.8554	0.8264	0.8007	0.7537	0.8668	0.8247	5.1
19)	Methyl-t-butyl Ethe	0.7652	0.7410	0.7059	0.6954	0.6328	0.7550	0.7159	6.8
20)	Diispropyl Ether	2.0661	2.0218	1.9728	1.9394	1.8375	2.0689	1.9844	4.4
21)	2-Butanone	0.8660	0.8557	0.8563	0.8400	0.8133	0.8572	0.8481	2.2
22)	Ethyl Acetate	r = -0.00049 + 0.01497*a + -0.00067*aE2 rE2 = 1.000							
23)	cis-1,2-Dichloroeth	0.4122	0.4114	0.3922	0.3755	0.3395	0.4228	0.3923	7.9
24)C	CHLOROFORM	0.8210	0.8066	0.7843	0.7549	0.6902	0.8311	0.7814	6.7
25)	Bromochloromethane	0.2772	0.2754	0.2676	0.2635	0.2428	0.2841	0.2684	5.4
26)	2,2-Dichloropropane	0.5435	0.5536	0.5240	0.5085	0.4618	0.5689	0.5267	7.3
27)	Tetrahydrofuran	0.0836	0.0784	0.0785	0.0770	0.0727	0.0820	0.0787	4.9
28)	1,1,1-Trichloroetha	0.5864	0.5999	0.5825	0.5617	0.5100	0.6134	0.5757	6.3
29)	Iodomethane	0.9018	0.9162	0.8952	0.8393	0.7795	0.9548	0.8812	7.1
30)	1,1-Dichloropropene	0.6186	0.6129	0.5922	0.5412	0.4731	0.6559	0.5823	11.2
31)S	1,2-Dichloroethane-	0.3949	0.4027	0.4126	0.4091	0.4137	0.4010	0.4057	1.8
32)	Carbon Tetrachlorid	0.5553	0.5528	0.5291	0.5003	0.4562	0.5680	0.5269	8.0
33)	1,2-Dichloroethane	0.5689	0.5652	0.5439	0.5252	0.4533	0.5840	0.5401	8.7
34)	Isobutanol	0.0185	0.0153	0.0155	0.0148	0.0129	0.0163	0.0156	11.8
35)M	Benzene	0.9970	0.9662	0.9225	0.8641	0.6904	1.0099	0.9083	13.1
36)	N-Butanol	0.0090	0.0075	0.0077	0.0076	0.0066	0.0079	0.0077	10.2
37)M	Trichloroethene	0.4557	0.4514	0.4217	0.3972	0.3067	0.4674	0.4167	14.3
38)C	1,2-DICHLOROPROPANE	0.5668	0.5641	0.5547	0.5423	0.5009	0.5821	0.5518	5.1
39)	Bromodichloromethan	0.8570	0.8682	0.8391	0.8016	0.7282	0.8995	0.8323	7.3
40)	Dibromomethane	0.4819	0.4747	0.4560	0.4400	0.3933	0.4841	0.4550	7.6
41)	2-Chloroethylvinyle	0.2500	0.2787	0.2878	0.2928	0.2856	0.2610	0.2760	6.1
42)	4-Methyl-2-Pentanon	0.7235	0.6748	0.6877	0.6887	0.6686	0.6866	0.6883	2.8
43)	cis-1,3-Dichloropro	0.6687	0.6903	0.6800	0.6687	0.6245	0.6950	0.6712	3.8
44)S	Toluene-d8	0.8715	0.8782	0.8934	0.8977	0.9127	0.8820	0.8892	1.7
45)CM	TOLUENE	1.0437	1.0068	0.9808	0.9448	0.8593	1.0713	0.9844	7.7

(#) = Out of Range (Advisory for non CCC, SPCC)

Response Factor Report GC/MS Ins

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

Calibration Files
5 =8922E.D 20 =8925E.D 50 =8926E.D
100 =8927E.D 200 =8928E.D 10 =8924E.D

Compound 5 20 50 100 200 10 Avg %RSD

46)	trans-1,3-Dichlorop	0.5027	0.5349	0.5325	0.5367	0.5071	0.5319	0.5243	2.9
47)S	Dibromofluoromethan	0.6387	0.6460	0.6445	0.6325	0.6199	0.6508	0.6387	1.8
48)	1,1,2-Trichloroetha	0.4015	0.3954	0.3837	0.3691	0.3319	0.4030	0.3808	7.1
49)	1,2-Dibromoethane	0.6050	0.6036	0.5752	0.5674	0.4942	0.6242	0.5783	8.0
50)S	4-Bromofluorobenzen	0.7384	0.7261	0.7244	0.7331	0.7305	0.7298	0.7304	0.7
51)I	CHLOROBENZENE-d5	----------ISTD----------							
52)	2-Hexanone	0.7100	0.6613	0.6743	0.6967	0.6875	0.6659	0.6826	2.8
53)	1,3-Dichloropropane	0.9476	0.9204	0.8811	0.8542	0.7665	0.9468	0.8861	7.8
54)	Tetrachloroethene	0.7893	0.7353	0.7149	0.6483	0.5747	0.7891	0.7086	11.9
55)	Dibromochloromethan	0.9463	0.9503	0.8903	0.8872	0.8015	0.9585	0.9057	6.6
56)PM	Chlorobenzene	1.0833	1.0312	1.0020	0.9716	0.8919	1.0647	1.0075	6.9
57)	1,1,1,2-Tetrachloro	0.6169	0.6031	0.5749	0.5336	0.4683	0.6159	0.5688	10.3
58)C	ETHYL BENZENE	0.4785	0.4560	0.4229	0.3878	0.3368	0.4859	0.4280	13.5
59)	m,p-Xylene	0.5654	0.5292	0.4839	0.4424	0.3739	0.5523	0.4912	14.9
60)	o-Xylene	0.5616	0.5303	0.4923	0.4574	0.3841	0.5597	0.4976	13.8
61)	Styrene	0.9036	0.8568	0.8224	0.7670	0.6317	0.9242	0.8176	13.1
62)P	Bromoform	0.8522	0.8272	0.8019	0.7685	0.6659	0.8406	0.7927	8.7
63)I	1,4-Dichlorobenzene-d	----------ISTD----------							
64)	Isopropylbenzene	2.3604	2.3180	2.3507	2.2407	2.2625	2.3943	2.3211	2.6
65)P	1,1,2,2-Tetrachloro	1.8940	1.7604	1.6866	1.6290	1.4499	1.8393	1.7099	9.4
66)	Bromobenzene	3.0051	2.8787	2.7346	2.6176	2.4066	2.9561	2.7664	8.2
67)	1,2,3-Trichloroprop	0.3636	0.3529	0.3226	0.3228	0.3045	0.3626	0.3382	7.3
68)	n-Propylbenzene	0.3831	0.3739	0.3656	0.3428	0.3277	0.3922	0.3642	6.8
69)	1,3,5-Trimethylbenz	1.8178	1.7046	1.6954	1.5924	1.4974	1.8579	1.6943	8.0
70)	2-Chlorotoluene	0.7285	0.6996	0.6736	0.6484	0.6169	0.7252	0.6820	6.5
71)	4-Chlorotoluene	0.6983	0.6719	0.6222	0.5927	0.5291	0.6975	0.6353	10.5
72)	t-Butylbenzene	2.0287	1.9822	1.9043	1.8313	1.6883	2.0361	1.9118	7.0
73)	1,2,4-Trimethylbenz	1.7615	1.6487	1.6231	1.5562	1.4791	1.7553	1.6373	6.8
74)	sec-Butylbenzene	2.9294	2.8505	2.7113	2.5756	2.4021	2.9018	2.7284	7.6
75)	p-Isopropyltoluene	1.8704	1.7382	1.6563	1.4898	1.2623	1.8346	1.6419	14.0
76)	1,3-Dichlorobenzene	1.5268	1.3789	1.2968	1.1736	1.0099	1.4598	1.3076	14.6
77)	1,4-Dichlorobenzene	1.5312	1.3758	1.3520	1.2690	1.1797	1.4733	1.3635	9.5
78)	n-Butylbenzene	1.2058	1.1346	1.1098	1.0041	0.9218	1.2055	1.0969	10.4
79)	1,2-Dichlorobenzene	1.4897	1.3929	1.2991	1.2326	1.1599	1.4932	1.3446	10.2
80)	1,2-Dibromo-3-chlor	0.4380	0.4043	0.4052	0.4289	0.4399	0.4169	0.4222	3.7
81)	1,2,4-Trichlorobenz	0.8107	0.6975	0.7494	0.7142	0.7177	0.7441	0.7390	5.4
82)	Naphthalene	1.1571	1.0688	1.1099	1.1247	1.1810	1.1577	1.1332	3.6
83)	Hexachlorobutadiene	0.9556	0.8250	0.8149	0.8108	0.7480	0.8477	0.8337	8.2
84)	1,2,3-Trichlorobenz	0.7419	0.6389	0.6901	0.6563	0.6628	0.6982	0.6814	5.4

(#) = Out of Range (Advisory for non CCC, SPCC) 0 SPCC fail 0 CCC fail
8260E1.M Thu Aug 17 08:11:35 2006 RPT1
Average RSD= 8.46

Response Factor Report GC/MS Ins

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration

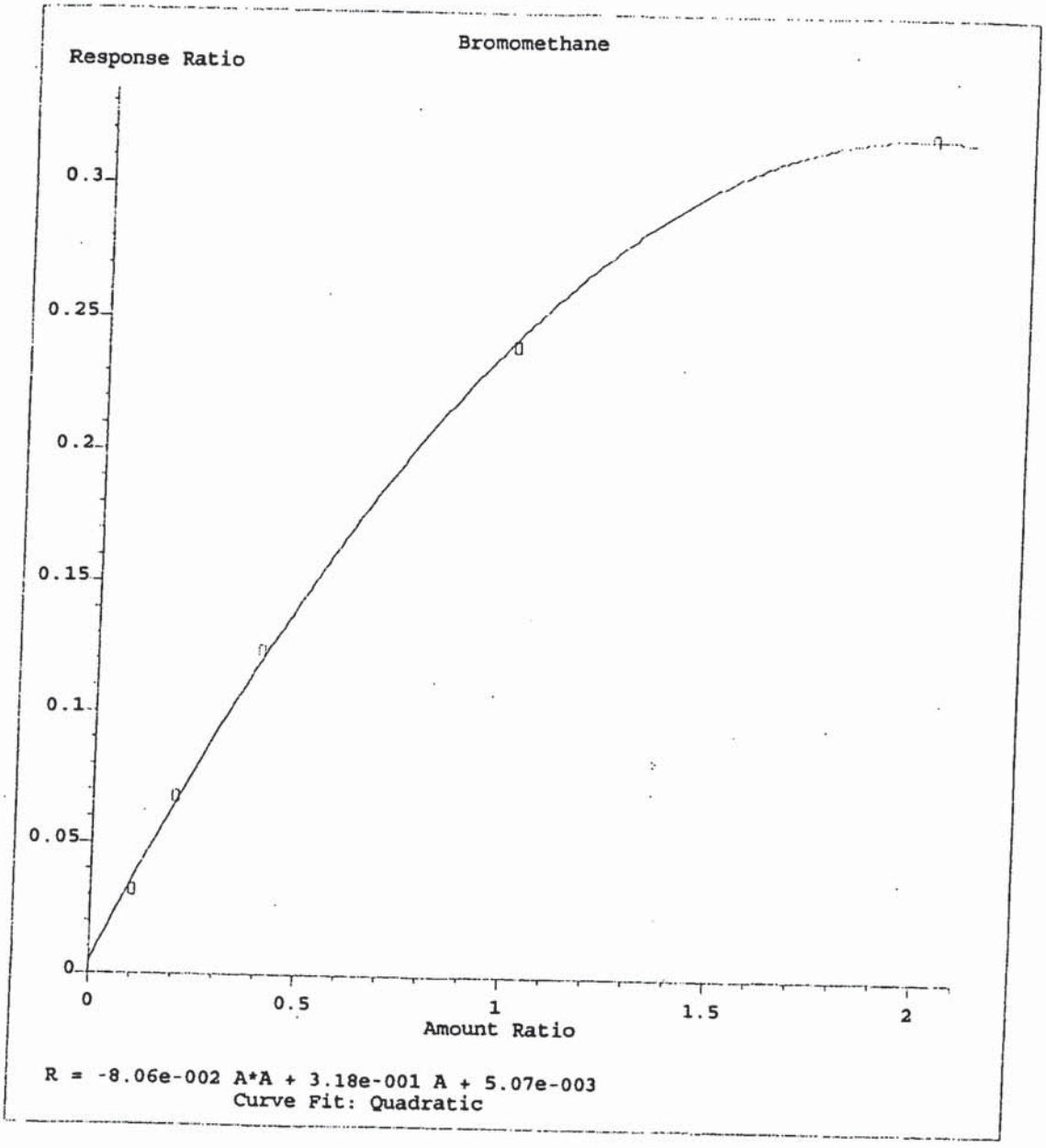
Calibration Files
5 =8922E.D 20 =8925E.D 50 =8926E.D
100 =8927E.D 200 =8928E.D 10 =8924E.D

		Compound	5	20	50	100	200	10	Avg	%RSD
1)	I	FLUOROBENZENE	----------ISTD----------							
2)		Dichlorodifluoromet	0.518	0.519	0.510	0.501	0.474	0.529	0.508	3.82
3)	P	Chloromethane	0.417	0.421	0.401	0.406	0.413	0.430	0.415	2.55
4)	C	VINYL CHLORIDE	0.384	0.387	0.375	0.386	0.389	0.395	0.386	1.76#
5)		Bromomethane	0.320	0.308	0.240	0.160	0.339		0.274	26.93—QC
6)		Chloroethane	0.219	0.210	0.198	0.157	0.218		0.200	12.85
7)		Trichlorofluorometh	0.571	0.614	0.581	0.529	0.438	0.621	0.559	12.13
8)		Acrolein	0.011	0.011	0.011	0.010	0.009	0.012	0.011#	10.28
9)		Diethyl Ether	0.241	0.249	0.241	0.235	0.217	0.255	0.240	5.56
10)		Trichlorotrifluoroe	0.709	0.650	0.628	0.558	0.509	0.692	0.624	12.46
11)		Acetone	0.155	0.136	0.132	0.112	0.113	0.139	0.131	12.47
12)	CM	1,1-DICHLOROETHENE	0.340	0.340	0.327	0.308	0.267	0.353	0.323	9.71#
13)		Methylene Chloride	0.840	0.487	0.417	0.386	0.362	0.621	0.519	35.24—QD
14)		Acrylonitrile	0.092	0.095	0.092	0.091	0.083	0.101	0.093	6.32
15)		Carbon Disulfide	1.471	1.195	1.112	1.039	0.951	1.330	1.183	16.23—QD
16)		Vinyl Acetate	0.319	0.313	0.307	0.302	0.281	0.322	0.307	4.86
17)		trans-1,2-Dichloroe	0.383	0.375	0.368	0.340	0.304	0.388	0.360	8.91
18)	P	1,1-Dichloroethane	0.845	0.855	0.826	0.801	0.754	0.867	0.825	5.07
19)		Methyl-t-butyl Ethe	0.765	0.741	0.706	0.695	0.633	0.755	0.716	6.85
20)		Diispropyl Ether	2.066	2.022	1.973	1.939	1.837	2.069	1.984	4.45
21)		2-Butanone	0.866	0.856	0.856	0.840	0.813	0.857	0.848	2.24
22)		Ethyl Acetate	0.007	0.013	0.014	0.013	0.012	0.014	0.012#	21.15—QD
23)		cis-1,2-Dichloroeth	0.412	0.411	0.392	0.375	0.339	0.423	0.392	7.87
24)	C	CHLOROFORM	0.821	0.807	0.784	0.755	0.690	0.831	0.781	6.70#
25)		Bromochloromethane	0.277	0.275	0.268	0.264	0.243	0.284	0.268	5.40
26)		2,2-Dichloropropane	0.544	0.554	0.524	0.508	0.462	0.569	0.527	7.28
27)		Tetrahydrofuran	0.084	0.078	0.078	0.077	0.073	0.082	0.079	4.86
28)		1,1,1-Trichloroetha	0.586	0.600	0.582	0.562	0.510	0.613	0.576	6.35
29)		Iodomethane	0.902	0.916	0.895	0.839	0.780	0.955	0.881	7.06
30)		1,1-Dichloropropene	0.619	0.613	0.592	0.541	0.473	0.656	0.582	11.23
31)	S	1,2-Dichloroethane-	0.395	0.403	0.413	0.409	0.414	0.401	0.406	1.81
32)		Carbon Tetrachlorid	0.555	0.553	0.529	0.500	0.456	0.568	0.527	8.00
33)		1,2-Dichloroethane	0.569	0.565	0.544	0.525	0.453	0.584	0.540	8.75
34)		Isobutanol	0.018	0.015	0.016	0.015	0.013	0.016	0.016#	11.76
35)	M	Benzene	0.997	0.966	0.922	0.864	0.690	1.010	0.908	13.14
36)		N-Butanol	0.009	0.008	0.008	0.008	0.007	0.008	0.008#	10.23
37)	M	Trichloroethene	0.456	0.451	0.422	0.397	0.307	0.467	0.417	14.32
38)	C	1,2-DICHLOROPROPANE	0.567	0.564	0.555	0.542	0.501	0.582	0.552	5.12#
39)		Bromodichloromethan	0.857	0.868	0.839	0.802	0.728	0.900	0.832	7.26
40)		Dibromomethane	0.482	0.475	0.456	0.440	0.393	0.484	0.455	7.60
41)		2-Chloroethylvinyle	0.250	0.279	0.288	0.293	0.286	0.261	0.276	6.11
42)		4-Methyl-2-Pentanon	0.723	0.675	0.688	0.689	0.669	0.687	0.688	2.76
43)		cis-1,3-Dichloropro	0.669	0.690	0.680	0.669	0.624	0.695	0.671	3.77
44)	S	Toluene-d8	0.872	0.878	0.893	0.898	0.913	0.882	0.889	1.69
45)	CM	TOLUENE	1.044	1.007	0.981	0.945	0.859	1.071	0.984	7.71#

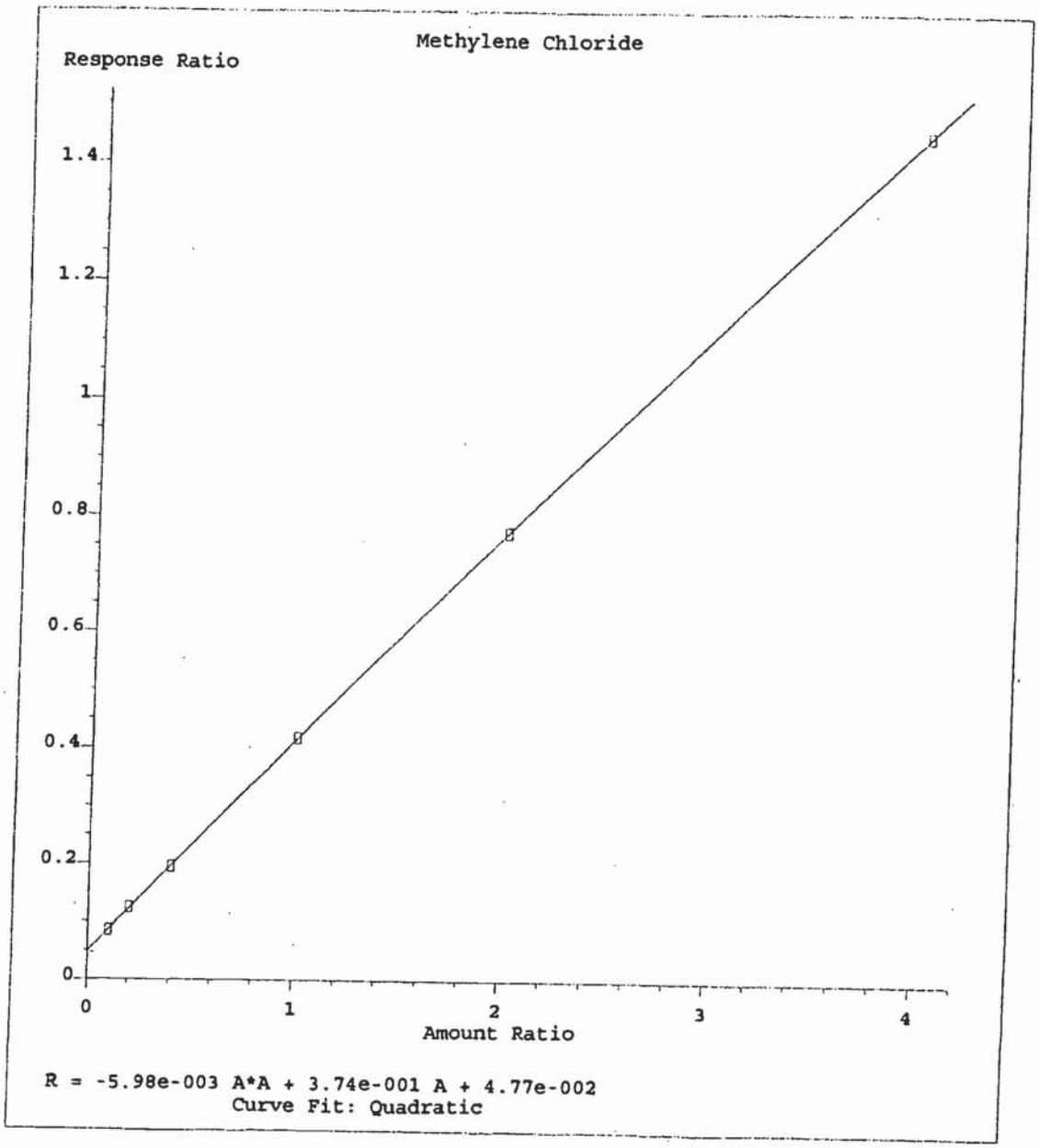
46)		trans-1,3-Dichlorop	0.503	0.535	0.533	0.537	0.507	0.532	0.524	2.90
47)	S	Dibromofluoromethan	0.639	0.646	0.644	0.632	0.620	0.651	0.639	1.75
48)		1,1,2-Trichloroetha	0.402	0.395	0.384	0.369	0.332	0.403	0.381	7.11
49)		1,2-Dibromoethane	0.605	0.604	0.575	0.567	0.494	0.624	0.578	7.99
50)	S	4-Bromofluorobenzen	0.738	0.726	0.724	0.733	0.731	0.730	0.730	0.69
51)	I	CHLOROBENZENE-d5	----------ISTD----------							
52)		2-Hexanone	0.710	0.661	0.674	0.697	0.687	0.666	0.683	2.76
53)		1,3-Dichloropropane	0.948	0.920	0.881	0.854	0.766	0.947	0.886	7.82
54)		Tetrachloroethene	0.789	0.735	0.715	0.648	0.575	0.789	0.709	11.86
55)		Dibromochloromethan	0.946	0.950	0.890	0.887	0.802	0.959	0.906	6.60
56)	PM	Chlorobenzene	1.083	1.031	1.002	0.972	0.892	1.065	1.007	6.91
57)		1,1,1,2-Tetrachloro	0.617	0.603	0.575	0.534	0.468	0.616	0.569	10.28
58)	C	ETHYL BENZENE	0.479	0.456	0.423	0.388	0.337	0.486	0.428	13.48#
59)		m,p-Xylene	0.565	0.529	0.484	0.442	0.374	0.552	0.491	14.93
60)		o-Xylene	0.562	0.530	0.492	0.457	0.384	0.560	0.498	13.79
61)		Styrene	0.904	0.857	0.822	0.767	0.632	0.924	0.818	13.11
62)	P	Bromoform	0.852	0.827	0.802	0.768	0.666	0.841	0.793	8.70
63)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
64)		Isopropylbenzene	2.360	2.318	2.351	2.241	2.262	2.394	2.321	2.56
65)	P	1,1,2,2-Tetrachloro	1.894	1.760	1.687	1.629	1.450	1.839	1.710	9.35
66)		Bromobenzene	3.005	2.879	2.735	2.618	2.407	2.956	2.766	8.21
67)		1,2,3-Trichloroprop	0.364	0.353	0.323	0.323	0.304	0.363	0.338	7.33
68)		n-Propylbenzene	0.383	0.374	0.366	0.343	0.328	0.392	0.364	6.76
69)		1,3,5-Trimethylbenz	1.818	1.705	1.695	1.592	1.497	1.858	1.694	7.98
70)		2-Chlorotoluene	0.728	0.700	0.674	0.648	0.617	0.725	0.682	6.49
71)		4-Chlorotoluene	0.698	0.672	0.622	0.593	0.529	0.697	0.635	10.54
72)		t-Butylbenzene	2.029	1.982	1.904	1.831	1.688	2.036	1.912	7.04
73)		1,2,4-Trimethylbenz	1.762	1.649	1.623	1.556	1.479	1.755	1.637	6.76
74)		sec-Butylbenzene	2.929	2.850	2.711	2.576	2.402	2.902	2.728	7.61
75)		p-Isopropyltoluene	1.870	1.738	1.656	1.490	1.262	1.835	1.642	14.05
76)		1,3-Dichlorobenzene	1.527	1.379	1.297	1.174	1.010	1.460	1.308	14.63
77)		1,4-Dichlorobenzene	1.531	1.376	1.352	1.269	1.180	1.473	1.364	9.46
78)		n-Butylbenzene	1.206	1.135	1.110	1.004	0.922	1.206	1.097	10.36
79)		1,2-Dichlorobenzene	1.490	1.393	1.299	1.233	1.160	1.493	1.345	10.21
80)		1,2-Dibromo-3-chlor	0.438	0.404	0.405	0.429	0.440	0.417	0.422	3.74
81)		1,2,4-Trichlorobenz	0.811	0.698	0.749	0.714	0.718	0.744	0.739	5.44
82)		Naphthalene	1.157	1.069	1.110	1.125	1.181	1.158	1.133	3.58
83)		Hexachlorobutadiene	0.956	0.825	0.815	0.811	0.748	0.848	0.834	8.20
84)		1,2,3-Trichlorobenz	0.742	0.639	0.690	0.656	0.663	0.698	0.681	5.42

(#) = Out of Range

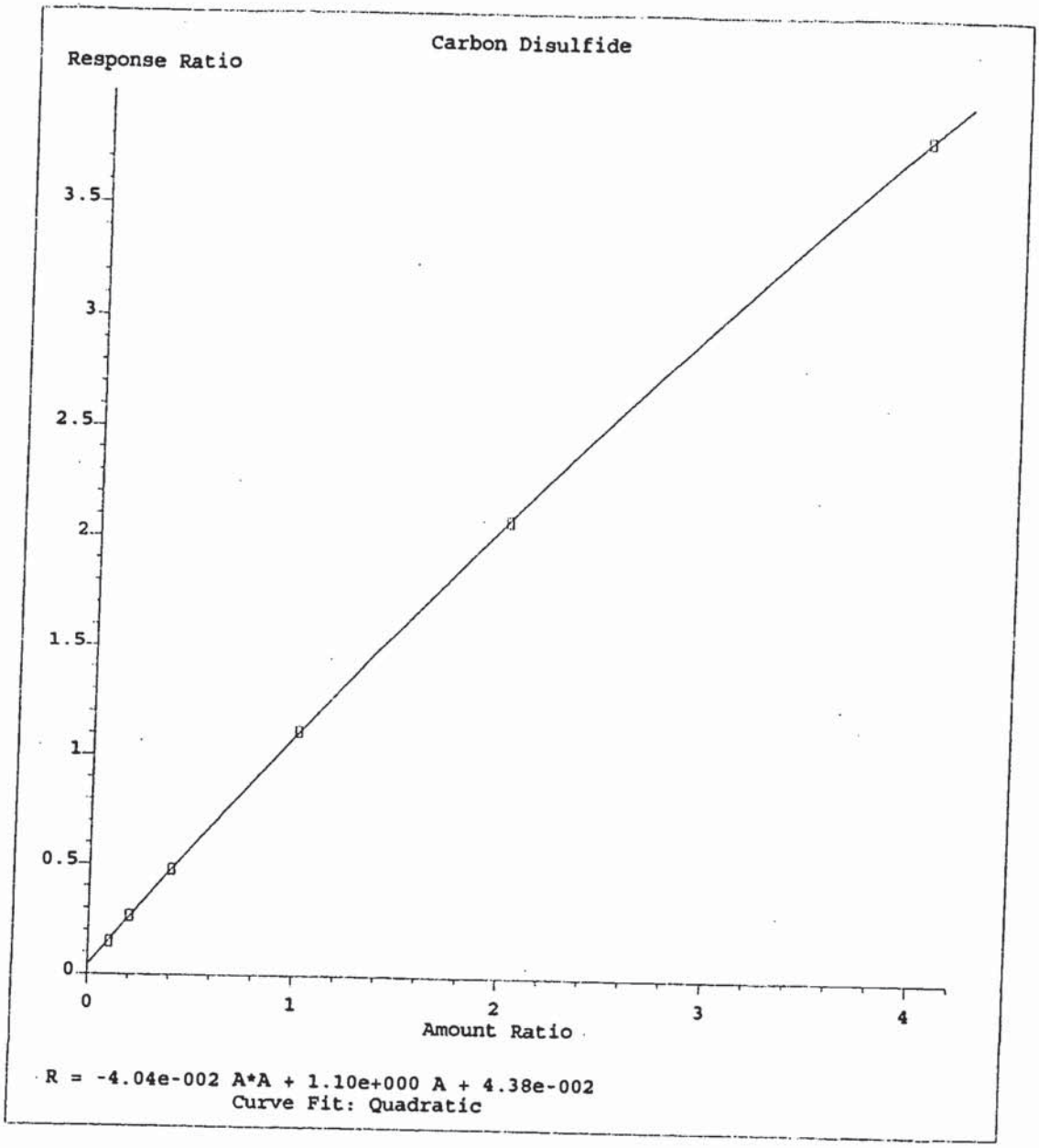
8260E1.M Thu Aug 17 06:40:48 2006



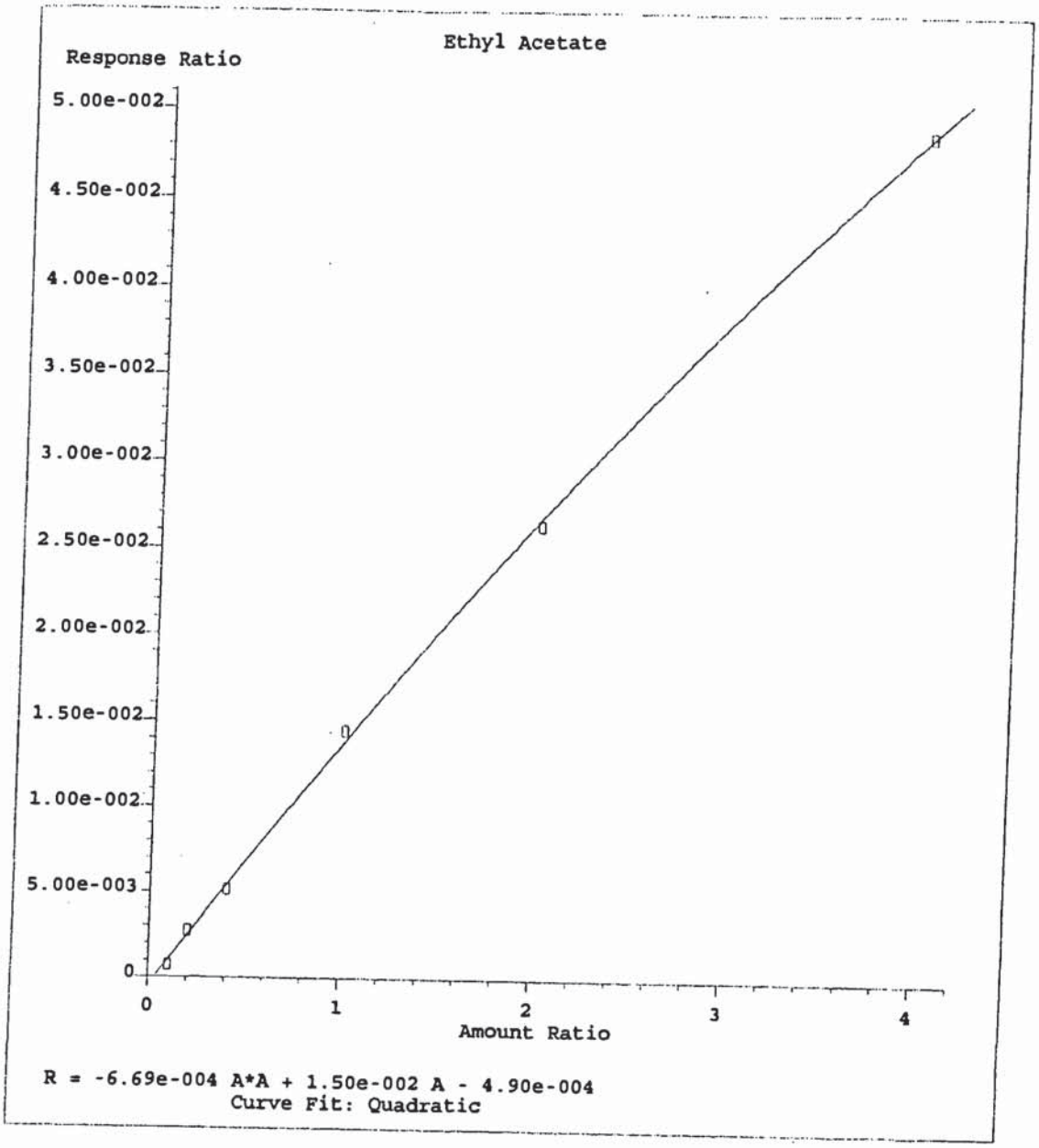
Method Name: E:\1\METHODS\8260E1.M
Calibration Table Last Updated: Thu Aug 17 08:00:47 2006



Method Name: E:\1\METHODS\8260E1.M
Calibration Table Last Updated: Thu Aug 17 08:02:10 2006



Method Name: E:\1\METHODS\8260E1.M
Calibration Table Last Updated: Thu Aug 17 08:02:39 2006



Method Name: E:\1\METHODS\8260E1.M
Calibration Table Last Updated: Thu Aug 17 08:02:54 2006

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:32 19106

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1684642m	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.52	117	1187511	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.58	152	708387	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	665318	51.35 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 102.70%#		
44) Toluene-d8	15.31	98	1468224	46.09 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 92.18%#		
47) Dibromofluoromethane	10.52	113	1075974	50.67 UG/L	0.06
Spiked Amount 50.000			Recovery = 101.34%		
50) 4-Bromofluorobenzene	20.70	95	1243913	38.90 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 77.80%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	87272	4.99 UG/L	100
3) Chloromethane	4.06	50	70323	4.87 UG/L	100
4) VINYL CHLORIDE	4.23	62	64661	5.41 UG/L #	58
5) Bromomethane	4.87	94	53989	3.64 UG/L	1
6) Chloroethane	5.07	64	36861	6.04 UG/L	29
7) Trichlorofluoromethane	5.52	101	96128	4.63 UG/L	95
8) Acrolein	7.77	56	9456	30.60 UG/L	100
9) Diethyl Ether	6.04	59	40533	5.16 UG/L	100
10) Trichlorotrifluoroethane	6.44	101	119458	5.42 UG/L	100
11) Acetone	6.55	43	26160	3.81 UG/L	74
12) 1,1-DICHLOROETHENE	6.45	96	57326	4.99 UG/L	100
13) Methylene Chloride	7.30	84	141468	5.68 UG/L #	67
14) Acrylonitrile	7.73	53	77442	36.24 UG/L	100
15) Carbon Disulfide	6.86	76	247806	6.30 UG/L #	83
16) Vinyl Acetate	7.78	43	53783	5.28 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	64545	5.15 UG/L #	63
18) 1,1-Dichloroethane	8.55	63	142385	5.38 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	128906	5.04 UG/L	100
20) Diispropyl Ether	8.65	45	348070	5.94 UG/L	100
21) 2-Butanone	9.72	43	145895	6.04 UG/L #	59
22) Ethyl Acetate	9.72	88	1210m	2.84 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	69447	5.14 UG/L #	35
24) CHLOROFORM	10.20	83	138314	5.18 UG/L	96
25) Bromochloromethane	10.07	128	46690	4.91 UG/L #	59
26) 2,2-Dichloropropane	9.62	77	91563	5.01 UG/L #	100
27) Tetrahydrofuran	10.19	42	70411	32.08 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	98781	4.81 UG/L #	100
29) Iodomethane	6.71	142	151926	7.36 UG/L	100
30) 1,1-Dichloropropene	10.91	75	104210	5.40 UG/L #	100
32) Carbon Tetrachloride	10.92	117	93542	4.93 UG/L	96
33) 1,2-Dichloroethane	11.36	62	95846	5.40 UG/L #	100
34) Isobutanol	11.06	43	515061	1135.30 UG/L	100
35) Benzene	11.33	78	167961	5.55 UG/L	100
36) N-Butanol	12.41	43	185889	834.00 UG/L	100
37) Trichloroethene	12.62	130	76775	5.12 UG/L	97

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:32 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 1,2-DICHLOROPROPANE	13.12	63	95493	5.53 UG/L	100
39) Bromodichloromethane	13.69	83	144378	5.04 UG/L	99
40) Dibromomethane	13.37	93	81179	5.16 UG/L	99
41) 2-Chloroethylvinylether	14.34	63	42119	7.31 UG/L #	100
42) 4-Methyl-2-Pentanone	15.04	43	121877	6.37 UG/L #	86
43) cis-1,3-Dichloropropene	14.68	75	112653	5.04 UG/L	100
45) TOLUENE	15.48	91	175831	5.23 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	84684	4.76 UG/L	100
48) 1,1,2-Trichloroethane	16.40	97	67639	5.13 UG/L	100
49) 1,2-Dibromoethane	17.56	107	101924	4.97 UG/L #	100
52) 2-Hexanone	16.96	43	84309	7.53 UG/L #	87
53) 1,3-Dichloropropane	16.80	76	112528	6.66 UG/L	100
54) Tetrachloroethene	16.76	166	93736	6.06 UG/L	97
55) Dibromochloromethane	17.30	129	112369	5.92 UG/L	100
56) Chlorobenzene	18.58	112	128639	6.25 UG/L	94
57) 1,1,1,2-Tetrachloroethane	18.72	131	73262	6.03 UG/L	100
58) ETHYL BENZENE	18.78	106	56826	6.55 UG/L	89
59) m,p-Xylene	19.01	106	134272	13.78 UG/L #	72
60) o-Xylene	19.76	106	66690	6.78 UG/L	82
61) Styrene	19.80	104	107301	6.56 UG/L #	42
62) Bromoform	20.13	173	101202	5.68 UG/L	100
64) Isopropylbenzene	20.43	105	167209	6.29 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	134168	6.83 UG/L #	100
66) Bromobenzene	20.97	77	212878	6.69 UG/L	100
67) 1,2,3-Trichloropropane	21.02	110	25757	6.42 UG/L	100
68) n-Propylbenzene	21.12	92	27135	6.85 UG/L	91
69) 1,3,5-Trimethylbenzene	21.40	105	128772	6.94 UG/L	100
70) 2-Chlorotoluene	21.29	126	51605	6.63 UG/L	100
71) 4-Chlorotoluene	21.45	126	49465	6.85 UG/L	100
72) t-Butylbenzene	21.95	119	143713	6.64 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	124784	7.02 UG/L	100
74) sec-Butylbenzene	22.29	105	207512	6.99 UG/L	100
75) p-Isopropyltoluene	22.51	119	132498	7.39 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	108160	6.91 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	108470	6.85 UG/L	100
78) n-Butylbenzene	23.12	92	85416	7.66 UG/L	93
79) 1,2-Dichlorobenzene	23.19	146	105531	6.63 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	31028	5.77 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	57430	6.33 UG/L	100
82) Naphthalene	26.37	128	81968	6.56 UG/L	100
83) Hexachlorobutadiene	26.17	225	67696	6.06 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	52557	5.83 UG/L	100

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

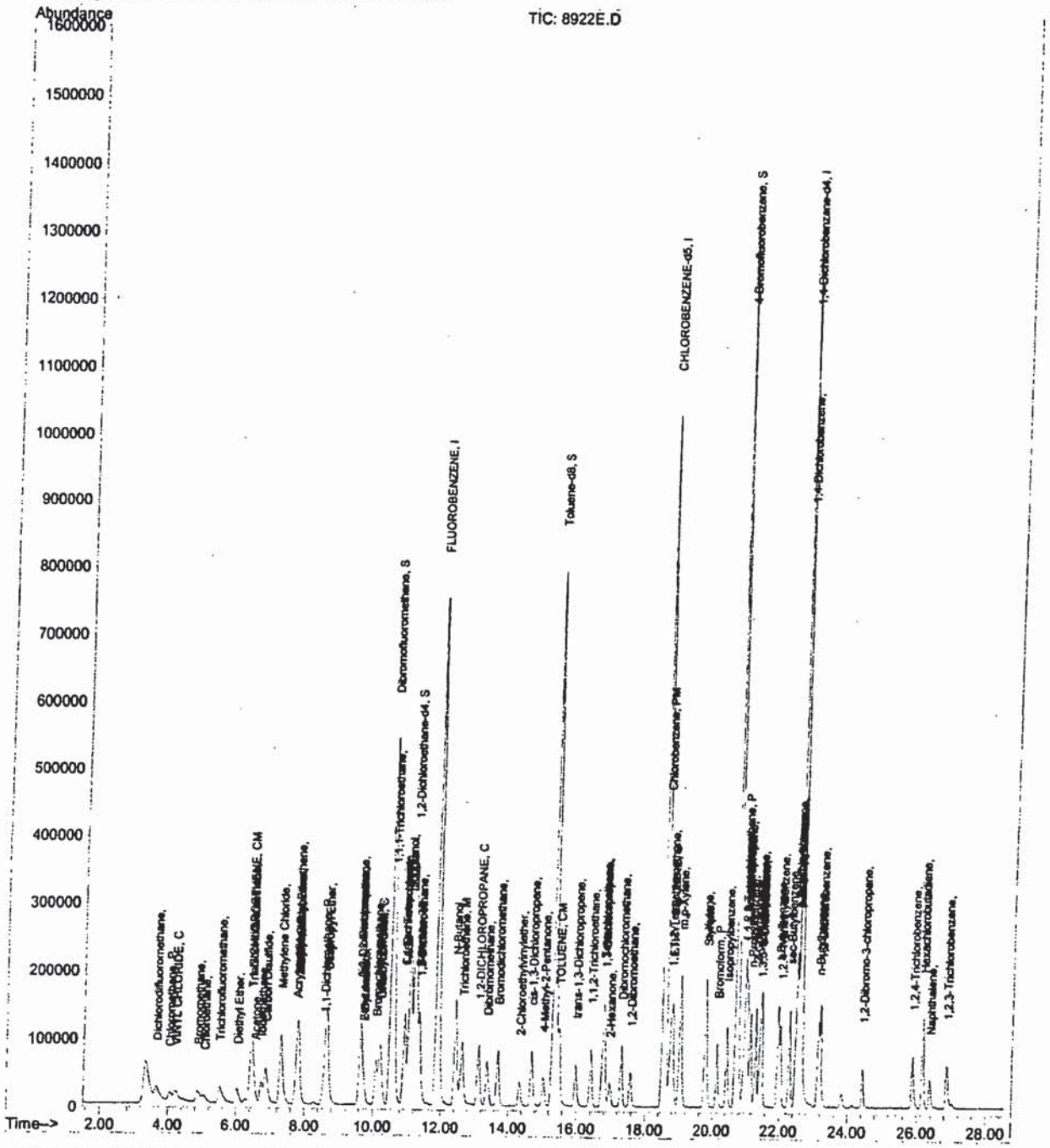
Quantitation Report

Data File : E:\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:32 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

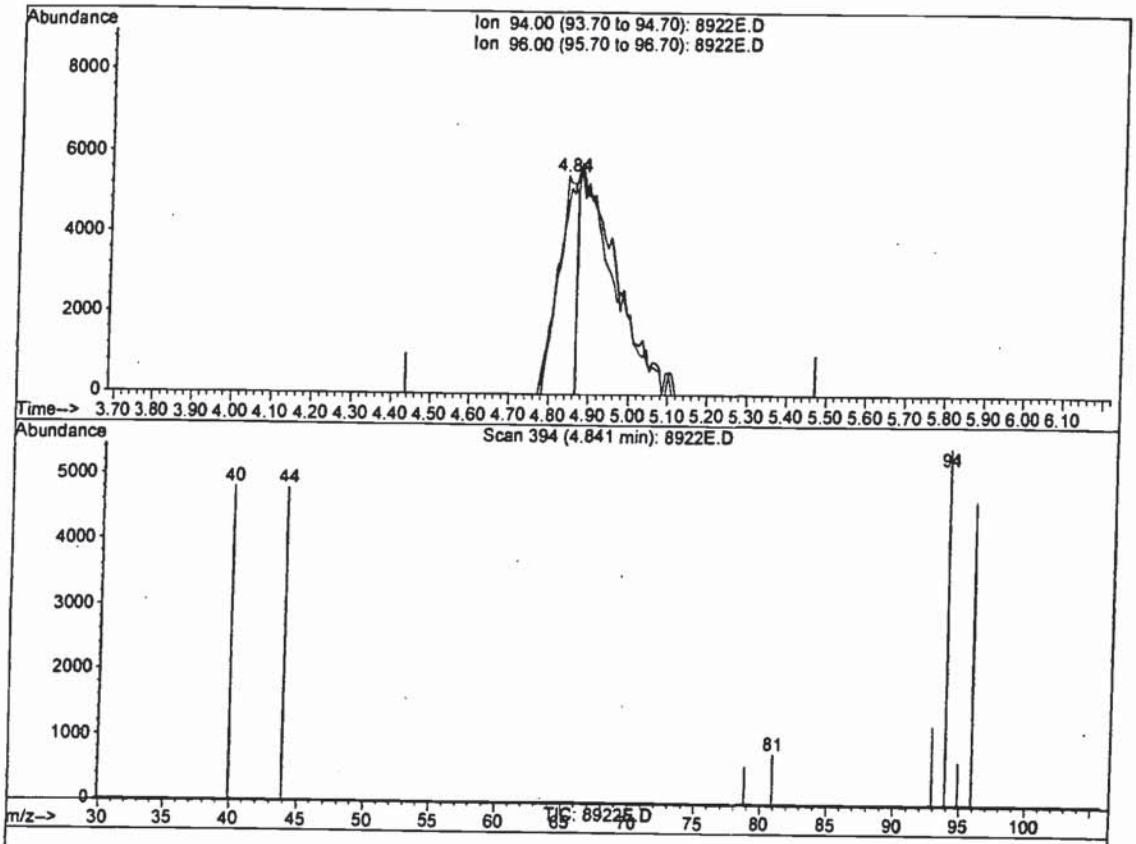


Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:25 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.84min 538.84UG/L

response 18193

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

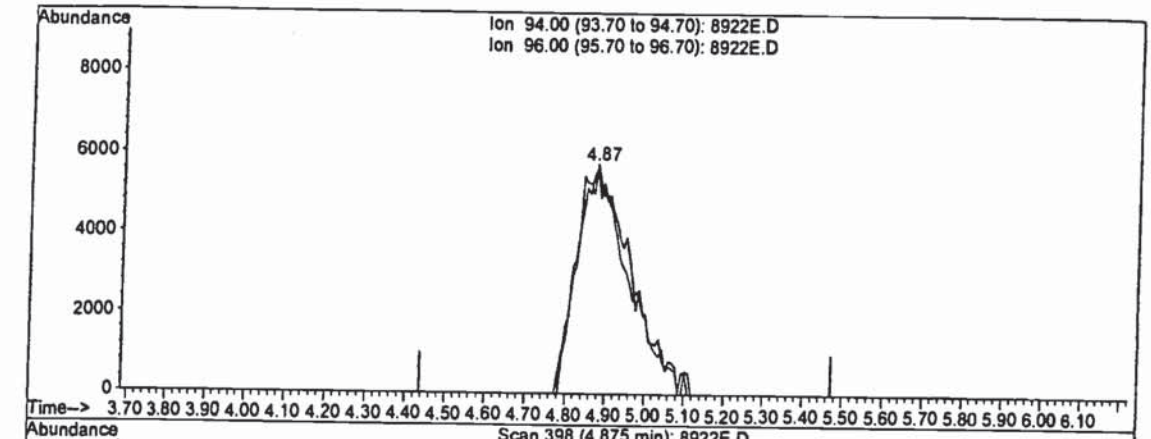
8922E.D 8260E1.M Wed Aug 16 08:31:58 2006

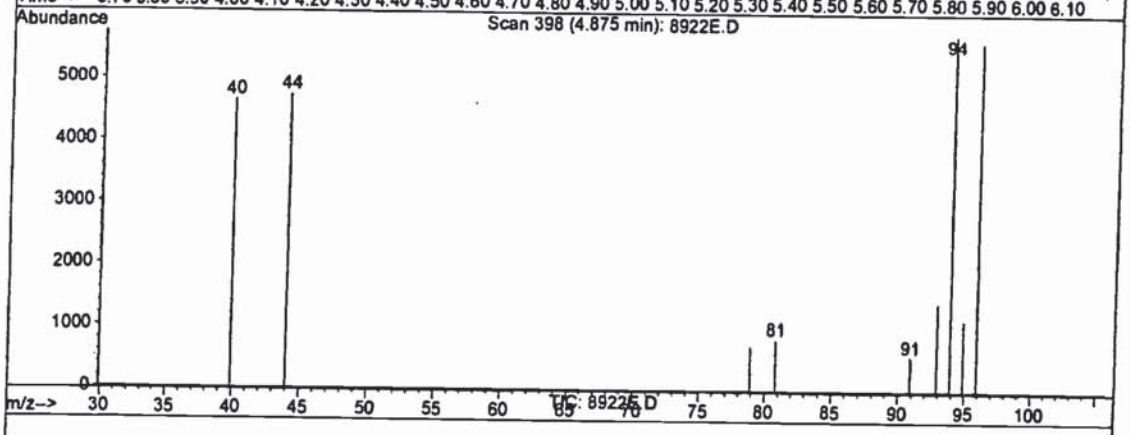
Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.87min 3.72UG/L m

response 53989

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

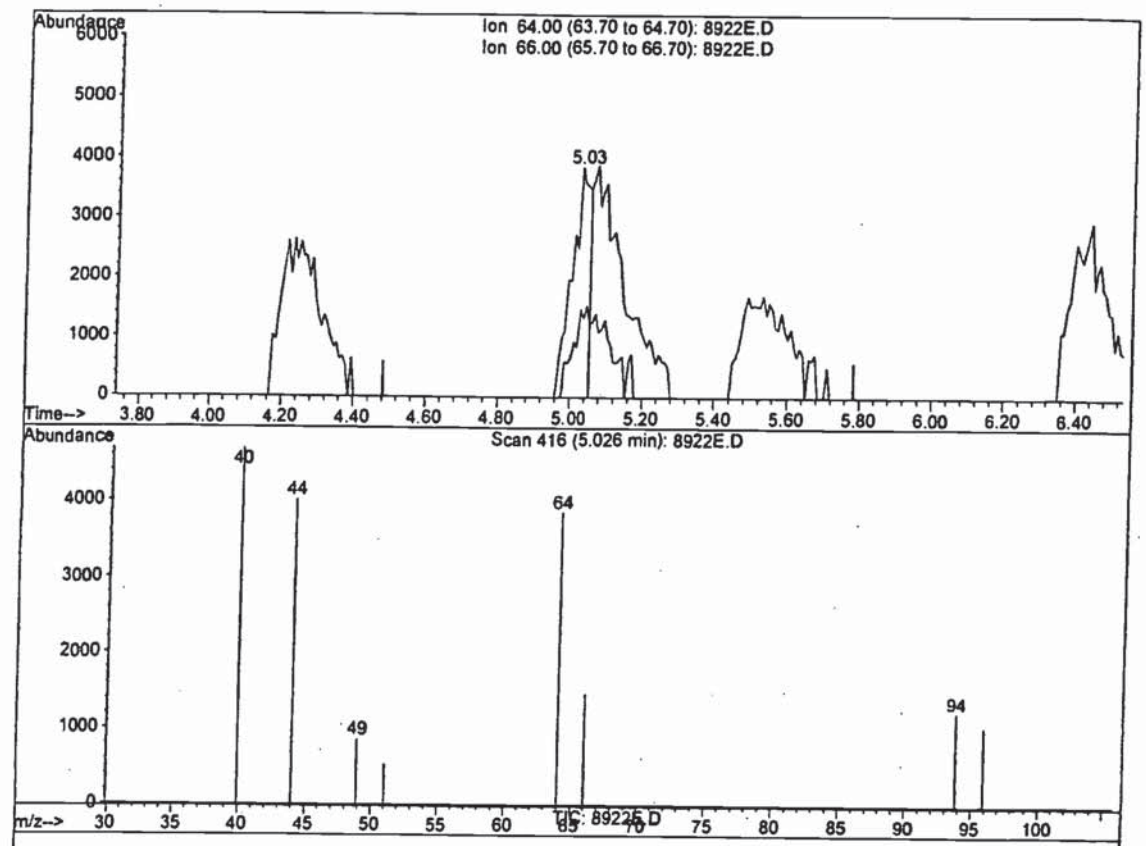
8922E.D 8260E1.M Wed Aug 16 08:32:04 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.03min 2.20UG/L

response 13283

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	74.76#
0.00	0.00	0.00
0.00	0.00	0.00

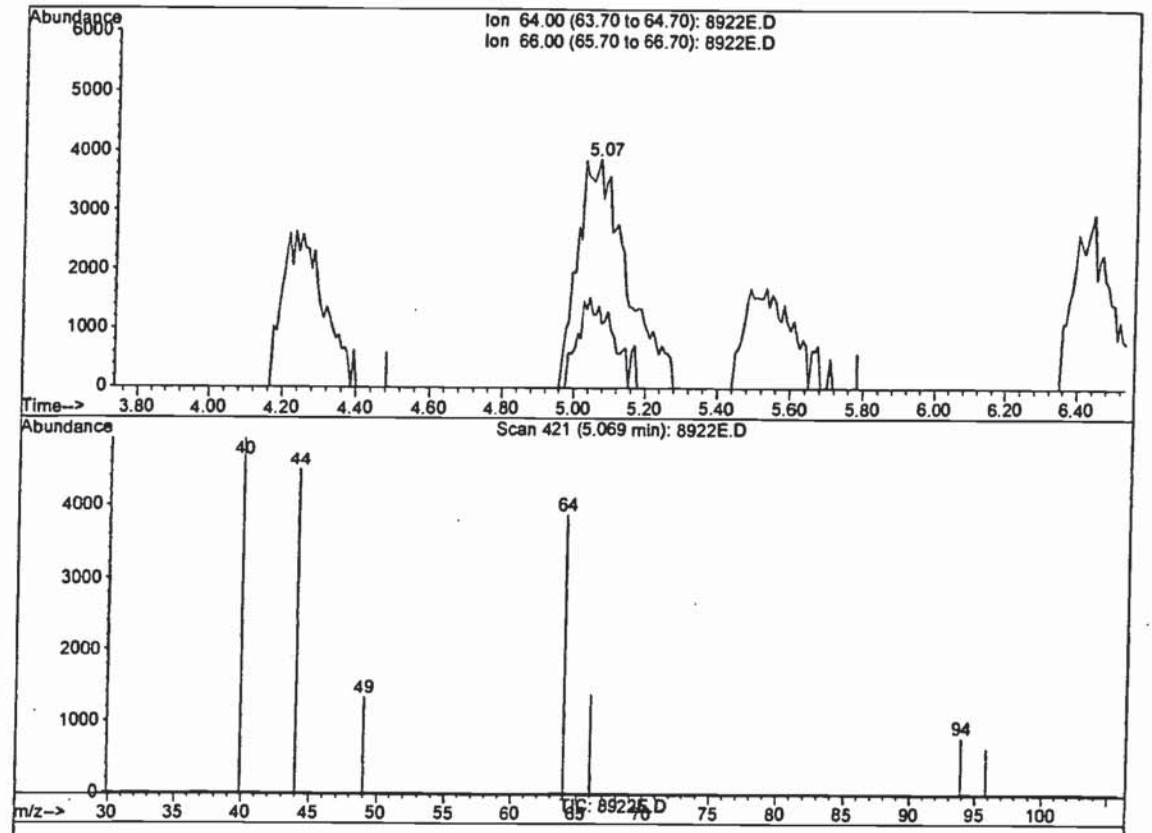
8922E.D 8260E1.M Wed Aug 16 08:32:08 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.07min 6.09UG/L m

response 36861

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	26.94#
0.00	0.00	0.00
0.00	0.00	0.00

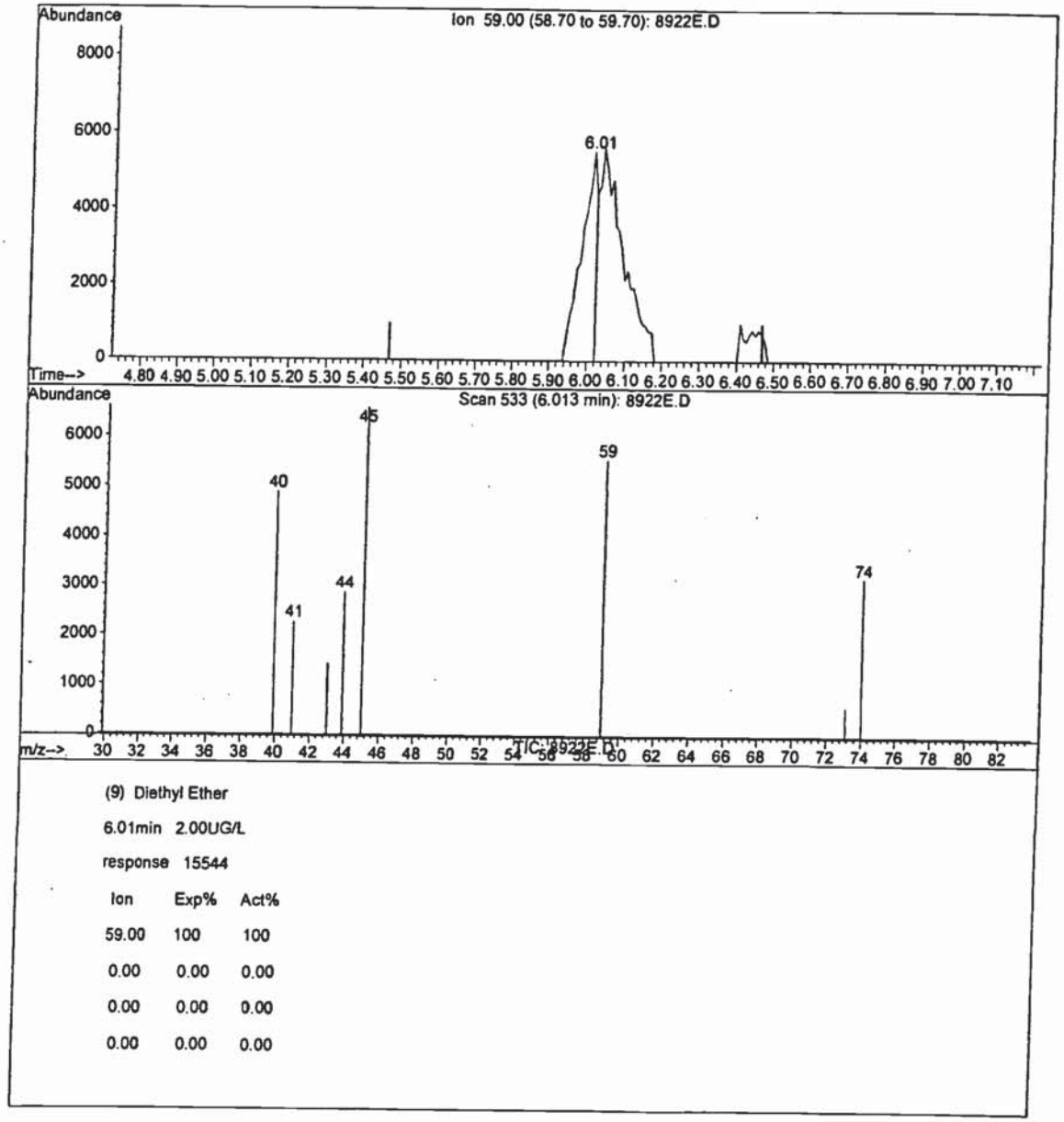
8922E.D 8260E1.M Wed Aug 16 08:32:13 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(9) Diethyl Ether

6.01min 2.00UG/L

response 15544

Ion	Exp%	Act%
59.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

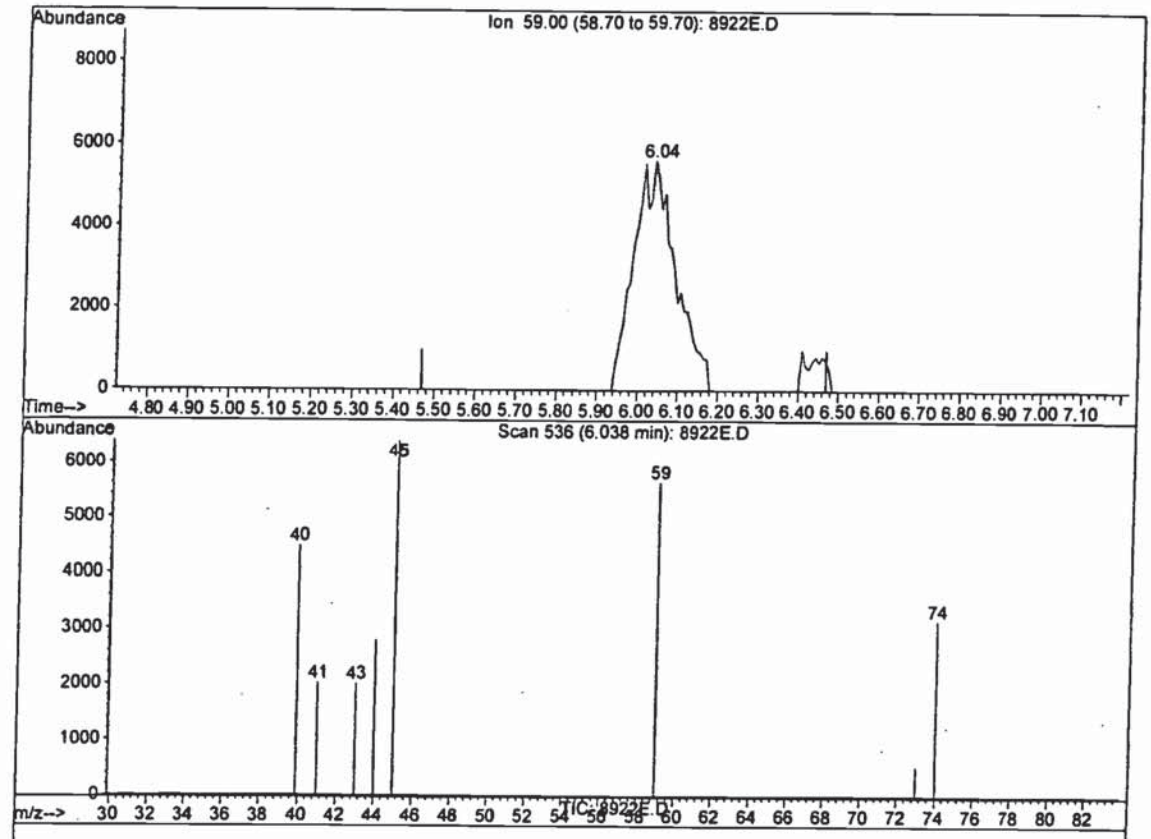
8922E.D 8260E1.M Wed Aug 16 08:32:22 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(9) Diethyl Ether

6.04min 5.21UG/L m

response 40533

Ion	Exp%	Act%
59.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

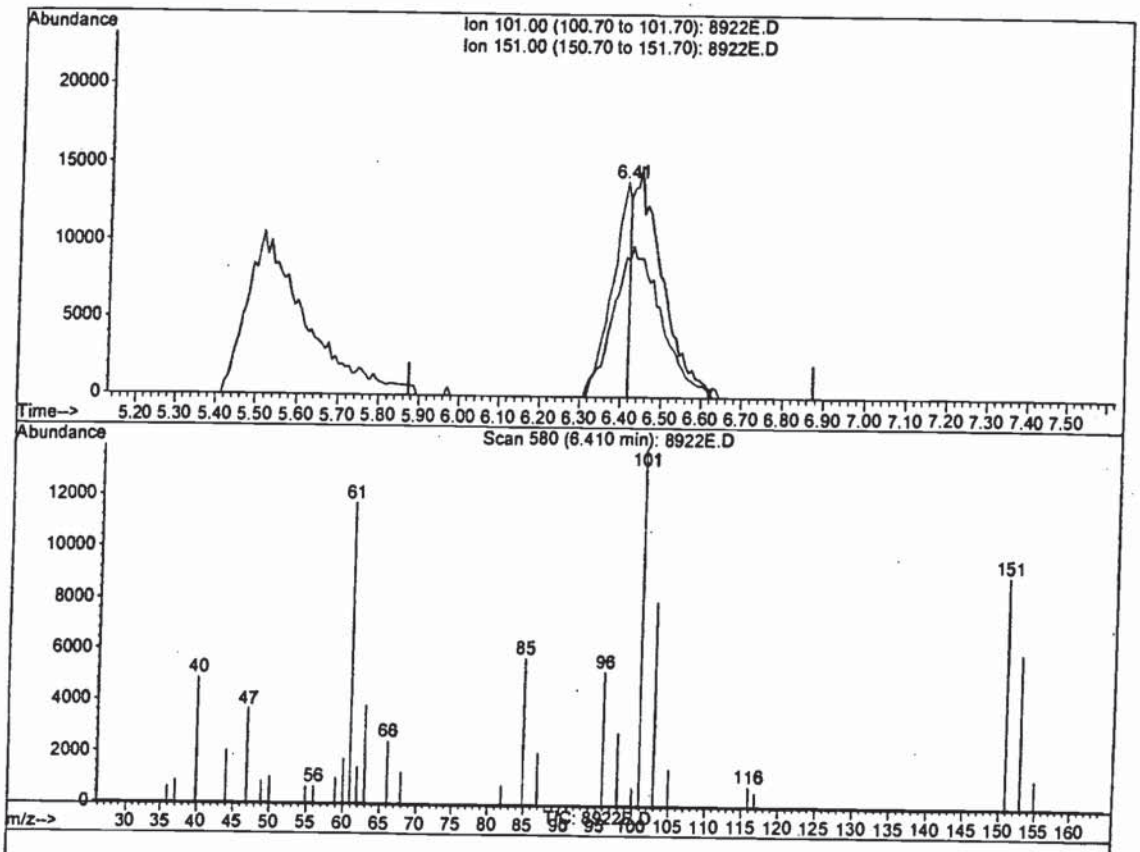
8922E.D 8260E1.M Wed Aug 16 08:32:27 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(10) Trichlorotrifluoroethane

6.41min 2.01UG/L

response 43992

Ion	Exp%	Act%
101.00	100	100
151.00	0.00	182.25#
0.00	0.00	0.00
0.00	0.00	0.00

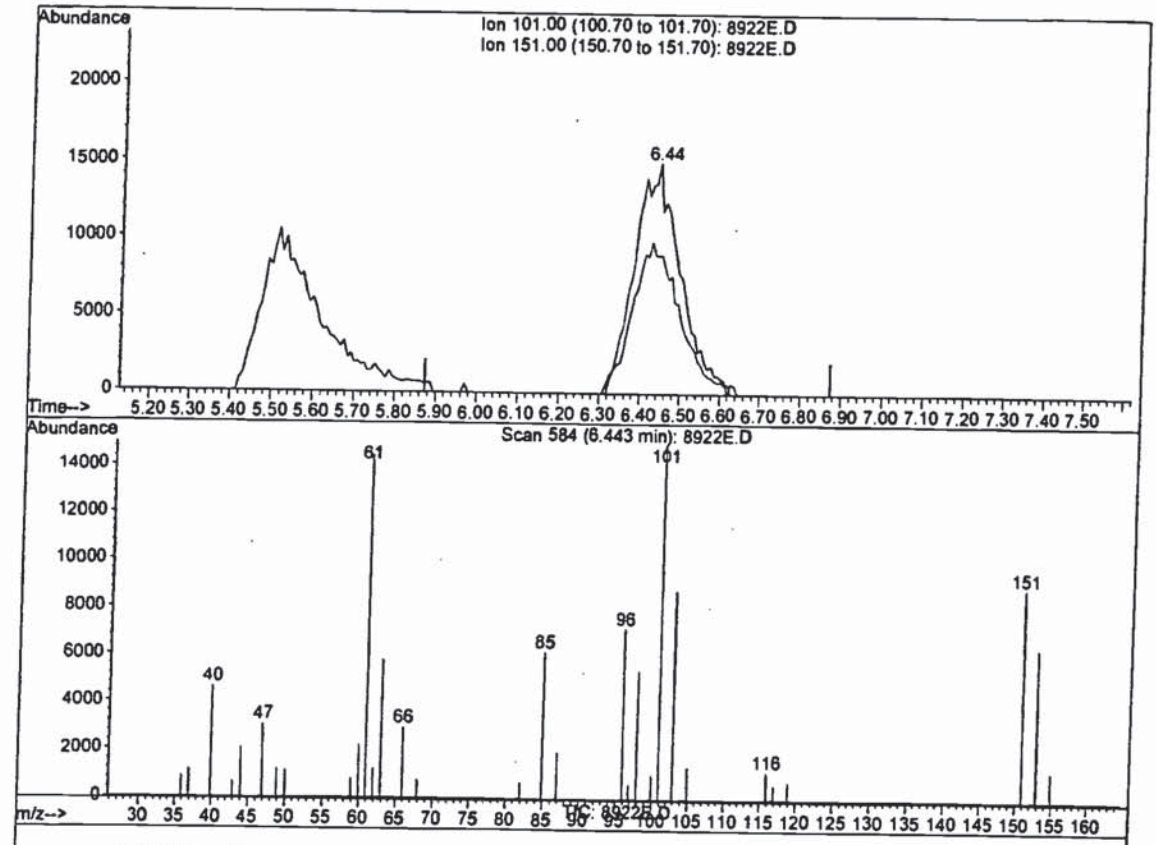
8922E.D 8260E1.M Wed Aug 16 08:32:32 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(10) Trichlorotrifluoroethane

6.44min 5.47UG/L m

response 119458

Ion	Exp%	Act%
101.00	100	100
151.00	0.00	67.12#
0.00	0.00	0.00
0.00	0.00	0.00

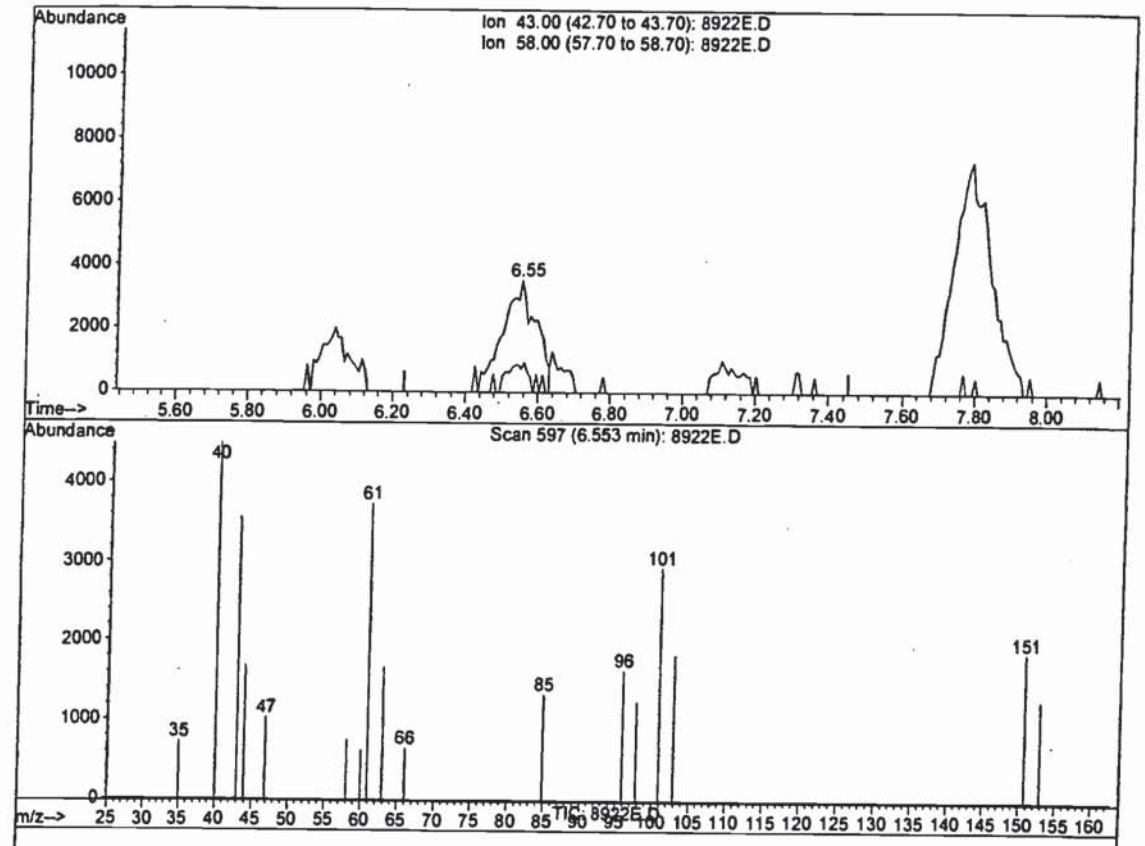
8922E.D 8260E1.M Wed Aug 16 08:32:37 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(11) Acetone

6.55min 2.76UG/L

response 22526

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	16.23#
0.00	0.00	0.00
0.00	0.00	0.00

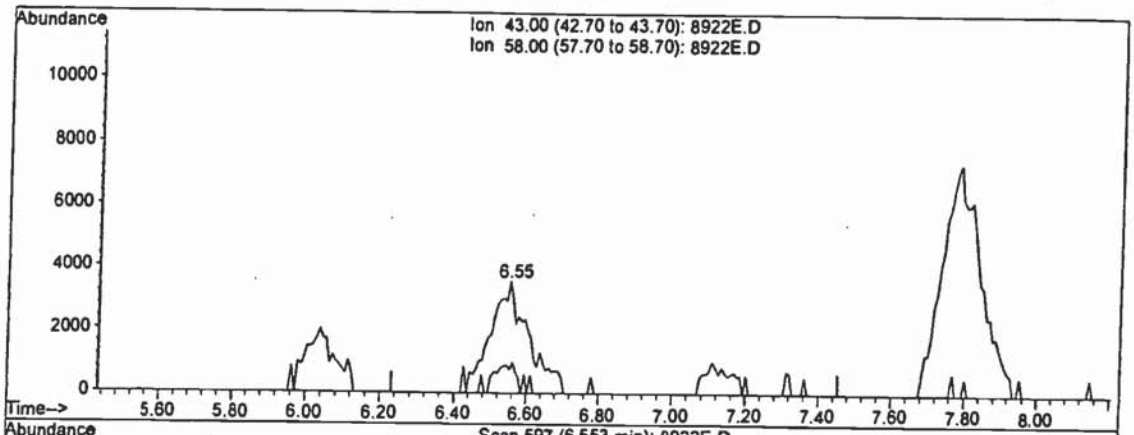
8922E.D 8260E1.M Wed Aug 16 08:32:43 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8922E.D
Acq On : 16 Aug 06 7:57
Sample : VSTD005
Misc :
Quant Time: Aug 16 8:32 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(11) Acetone

6.55min 3.88UG/L m

response 26160

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	13.98#
0.00	0.00	0.00
0.00	0.00	0.00

8922E.D 8260E1.M Wed Aug 16 08:32:48 2006

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8924E.D
Acq On : 16 Aug 06 9:10
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 9:46 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1627236	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.52	117	1164365	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	682960	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	652475	52.14 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 104.28%#		
44) Toluene-d8	15.31	98	1435228	46.64 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 93.28%#		
47) Dibromofluoromethane	10.52	113	1058972	51.63 UG/L	0.06
Spiked Amount 50.000			Recovery = 103.26%		
50) 4-Bromofluorobenzene	20.69	95	1187512	38.44 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 76.88%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	172041	10.18 UG/L	100
3) Chloromethane	4.08	50	139894	10.03 UG/L	100
4) VINYL CHLORIDE	4.22	62	128595	11.14 UG/L	99
5) Bromomethane	4.86	94	110200	13.23 UG/L	98
6) Chloroethane	5.04	64	71071	12.05 UG/L #	59
7) Trichlorofluoromethane	5.51	101	202262	10.08 UG/L	93
8) Acrolein	7.80	56	19312m	64.69 UG/L	100
9) Diethyl Ether	6.03	59	83130	10.95 UG/L	100
10) Trichlorotrifluoroethane	6.44	101	225340	10.58 UG/L #	100
11) Acetone	6.55	43	45217	10.12 UG/L #	67
12) 1,1-DICHLOROETHENE	6.45	96	114920	10.36 UG/L	100
13) Methylene Chloride	7.30	84	202199	10.87 UG/L #	71
14) Acrylonitrile	7.74	53	164962	79.92 UG/L	100
15) Carbon Disulfide	6.86	76	432949	11.39 UG/L	98
16) Vinyl Acetate	7.80	43	104846	10.66 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	126343	10.44 UG/L #	62
18) 1,1-Dichloroethane	8.56	63	282093	11.03 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	245717	9.94 UG/L	100
20) Diispropyl Ether	8.64	45	673332	11.89 UG/L	100
21) 2-Butanone	9.70	43	278984	11.95 UG/L #	59
22) Ethyl Acetate	9.72	88	4419	9.86 UG/L #	100
23) cis-1,2-Dichloroethene	9.62	96	137603	10.54 UG/L #	37
24) CHLOROFORM	10.20	83	270477	10.49 UG/L	99
25) Bromochloromethane	10.08	128	92465	10.07 UG/L #	61
26) 2,2-Dichloropropane	9.62	77	185155	10.49 UG/L #	100
27) Tetrahydrofuran	10.18	42	133387	62.91 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	199630	10.06 UG/L #	100
29) Iodomethane	6.73	142	310748	15.58 UG/L	100
30) 1,1-Dichloropropene	10.91	75	213476	11.46 UG/L #	100
32) Carbon Tetrachloride	10.93	117	184854	10.09 UG/L	93
33) 1,2-Dichloroethane	11.36	62	190045	11.09 UG/L #	100
34) Isobutanol	11.06	43	879551	2007.10 UG/L	100
35) Benzene	11.32	78	328654	11.25 UG/L	100
36) N-Butanol	12.42	43	312797	1452.88 UG/L	100
37) Trichloroethene	12.63	130	152129	10.49 UG/L	99

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8924E.D
Acq On : 16 Aug 06 9:10
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 9:46 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 1,2-DICHLOROPROPANE	13.12	63	189435	11.36 UG/L	100
39) Bromodichloromethane	13.68	83	292741	10.58 UG/L	99
40) Dibromomethane	13.37	93	157542	10.36 UG/L	98
41) 2-Chloroethylvinylether	14.34	63	84935	12.90 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	223450	12.10 UG/L #	89
43) cis-1,3-Dichloropropene	14.69	75	226196	10.48 UG/L	100
45) TOLUENE	15.47	91	348639	10.73 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	173113	10.07 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	131141	10.30 UG/L	100
49) 1,2-Dibromoethane	17.55	107	203154	10.25 UG/L #	100
52) 2-Hexanone	16.96	43	155077	14.12 UG/L #	88
53) 1,3-Dichloropropane	16.80	76	220493	13.31 UG/L	100
54) Tetrachloroethene	16.75	166	183749	12.12 UG/L	95
55) Dibromochloromethane	17.29	129	223216	11.99 UG/L	100
56) Chlorobenzene	18.57	112	247933	12.29 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.72	131	143430	12.04 UG/L	100
58) ETHYL BENZENE	18.78	106	113158	13.30 UG/L	92
59) m,p-Xylene	19.01	106	257244	26.93 UG/L	74
60) o-Xylene	19.76	106	130328	13.51 UG/L	79
61) Styrene	19.78	104	215212	13.41 UG/L #	44
62) Bromoform	20.13	173	195763	11.20 UG/L	100
64) Isopropylbenzene	20.41	105	327045	12.77 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	251232	13.27 UG/L #	100
66) Bromobenzene	20.96	77	403784	13.17 UG/L	100
67) 1,2,3-Trichloropropane	21.01	110	49527	12.80 UG/L	100
68) n-Propylbenzene	21.12	92	53577	14.04 UG/L	74
69) 1,3,5-Trimethylbenzene	21.41	105	253778	14.18 UG/L	100
70) 2-Chlorotoluene	21.28	126	99057	13.20 UG/L	100
71) 4-Chlorotoluene	21.47	126	95269	13.69 UG/L	100
72) t-Butylbenzene	21.94	119	278112	13.32 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	239762	14.00 UG/L	100
74) sec-Butylbenzene	22.29	105	396369	13.86 UG/L	100
75) p-Isopropyltoluene	22.51	119	250595	14.49 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	199394	13.22 UG/L	100
77) 1,4-Dichlorobenzene	22.62	146	201247	13.18 UG/L	100
78) n-Butylbenzene	23.14	92	164663	15.32 UG/L	93
79) 1,2-Dichlorobenzene	23.20	146	203963	13.29 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	56940	10.98 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	101644	11.63 UG/L	100
82) Naphthalene	26.37	128	158132	13.12 UG/L	100
83) Hexachlorobutadiene	26.16	225	115790	10.76 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	95367	10.98 UG/L	100

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

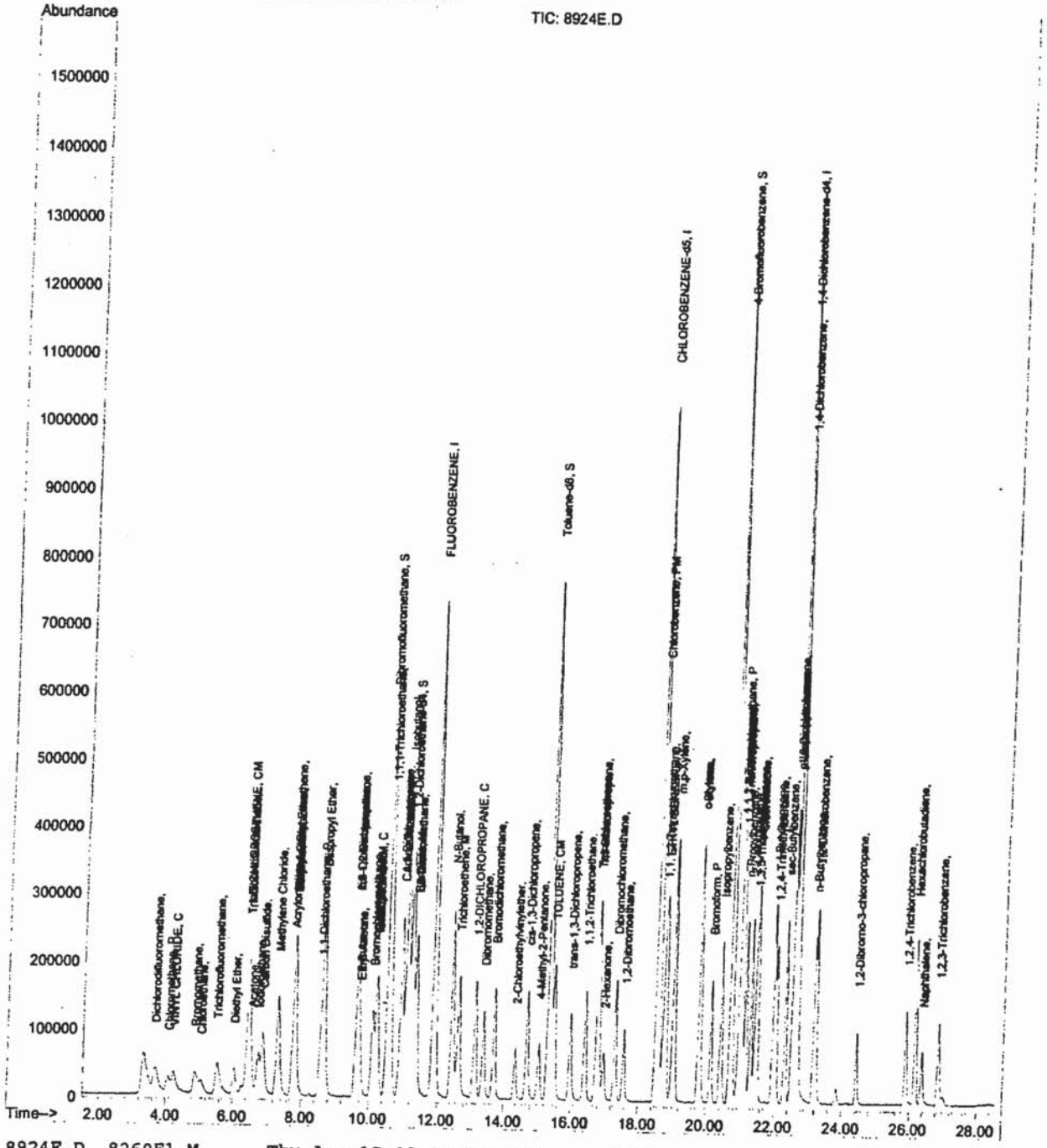
Quantitation Report

Data File : E:\DATA\E081606\8924E.D
Acq On : 16 Aug 06 9:10
Sample : VSTD010
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 9:46 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:21 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1614357	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.51	117	1140145	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.58	152	649343	50.00 UG/L	0.03
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.21	65	650156	52.37 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 104.74%#		
44) Toluene-d8	15.31	98	1417797	46.44 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 92.88%#		
47) Dibromofluoromethane	10.52	113	1042813	51.24 UG/L	0.05
Spiked Amount 50.000			Recovery = 102.48%		
50) 4-Bromofluorobenzene	20.69	95	1172227	38.25 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 76.50%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	335096	19.99 UG/L	100
3) Chloromethane	4.06	50	272134	19.67 UG/L	100
4) VINYL CHLORIDE	4.24	62	249886	21.82 UG/L	99
5) Bromomethane	4.84	94	199173	28.95 UG/L	99
6) Chloroethane	5.05	64	135653m	23.18 UG/L	100
7) Trichlorofluoromethane	5.51	101	396562m	19.92 UG/L	88
8) Acrolein	7.77	56	36985	124.88 UG/L	100
9) Diethyl Ether	6.04	59	160611	21.33 UG/L	100
10) Trichlorotrifluoroethane	6.43	101	419540	19.86 UG/L #	100
11) Acetone	6.54	43	87505m	23.73 UG/L	63
12) 1,1-DICHLOROETHENE	6.44	96	219835	19.97 UG/L	100
13) Methylene Chloride	7.29	84	314182	19.98 UG/L #	69
14) Acrylonitrile	7.74	53	306832	149.85 UG/L	100
15) Carbon Disulfide	6.86	76	771440	20.46 UG/L	98
16) Vinyl Acetate	7.77	43	202017	20.71 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	242223	20.18 UG/L #	63
18) 1,1-Dichloroethane	8.56	63	552337	21.76 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	478520	19.51 UG/L	100
20) Diispropyl Ether	8.64	45	1305549	23.24 UG/L	100
21) 2-Butanone	9.71	43	552537	23.86 UG/L #	59
22) Ethyl Acetate	9.74	88	8291m	18.45 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	265628	20.50 UG/L #	38
24) CHLOROFORM	10.20	83	520830	20.37 UG/L	99
25) Bromochloromethane	10.09	128	177836	19.52 UG/L #	61
26) 2,2-Dichloropropane	9.63	77	357467	20.41 UG/L #	100
27) Tetrahydrofuran	10.19	42	252986	120.27 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	387388	19.69 UG/L #	100
29) Iodomethane	6.73	142	591619	29.89 UG/L	100
30) 1,1-Dichloropropene	10.91	75	395795	21.41 UG/L #	100
32) Carbon Tetrachloride	10.91	117	356998	19.64 UG/L	94
33) 1,2-Dichloroethane	11.35	62	364980	21.46 UG/L #	100
34) Isobutanol	11.07	43	1633495	3757.31 UG/L	100
35) Benzene	11.33	78	623928	21.52 UG/L	100
36) N-Butanol	12.42	43	591653	2770.03 UG/L	100
37) Trichloroethene	12.63	130	291482	20.27 UG/L	99

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:21 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 1,2-DICHLOROPROPANE	13.12	63	364275	22.01 UG/L	100
39) Bromodichloromethane	13.69	83	560652	20.42 UG/L	100
40) Dibromomethane	13.38	93	306523	20.31 UG/L	99
41) 2-Chloroethylvinylether	14.34	63	179993	25.11 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	435770	23.78 UG/L #	89
43) cis-1,3-Dichloropropene	14.69	75	445785	20.81 UG/L	100
45) TOLUENE	15.47	91	650144	20.17 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	345419	20.25 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	255344	20.21 UG/L	100
49) 1,2-Dibromoethane	17.56	107	389790	19.82 UG/L #	100
52) 2-Hexanone	16.98	43	301585	28.04 UG/L #	88
53) 1,3-Dichloropropane	16.80	76	419768	25.87 UG/L	100
54) Tetrachloroethene	16.75	166	335319	22.58 UG/L	97
55) Dibromochloromethane	17.30	129	433383	23.78 UG/L	100
56) Chlorobenzene	18.58	112	470295	23.81 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.72	131	275069	23.59 UG/L	100
58) ETHYL BENZENE	18.78	106	207943	24.95 UG/L	92
59) m,p-Xylene	19.01	106	482701	51.60 UG/L	75
60) o-Xylene	19.75	106	241830	25.59 UG/L	77
61) Styrene	19.78	104	390756	24.87 UG/L #	38
62) Bromoform	20.12	173	377266	22.05 UG/L	100
64) Isopropylbenzene	20.42	105	602081	24.72 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.93	83	457229	25.39 UG/L #	100
66) Bromobenzene	20.96	77	747698	25.65 UG/L	100
67) 1,2,3-Trichloropropane	21.01	110	91667	24.92 UG/L	100
68) n-Propylbenzene	21.13	92	97107	26.76 UG/L	81
69) 1,3,5-Trimethylbenzene	21.42	105	442753	26.02 UG/L	100
70) 2-Chlorotoluene	21.29	126	181716	25.48 UG/L	100
71) 4-Chlorotoluene	21.46	126	174505	26.37 UG/L	100
72) t-Butylbenzene	21.95	119	514850	25.94 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	428219	26.29 UG/L	100
74) sec-Butylbenzene	22.29	105	740369	27.22 UG/L	100
75) p-Isopropyltoluene	22.51	119	451469	27.45 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	358157	24.97 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	357345	24.61 UG/L	100
78) n-Butylbenzene	23.14	92	294702	28.83 UG/L	97
79) 1,2-Dichlorobenzene	23.20	146	361786	24.79 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	105002	21.29 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	181172	21.80 UG/L	100
82) Naphthalene	26.37	128	277605	24.22 UG/L	100
83) Hexachlorobutadiene	26.16	225	214276	20.94 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	165936	20.09 UG/L	100

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

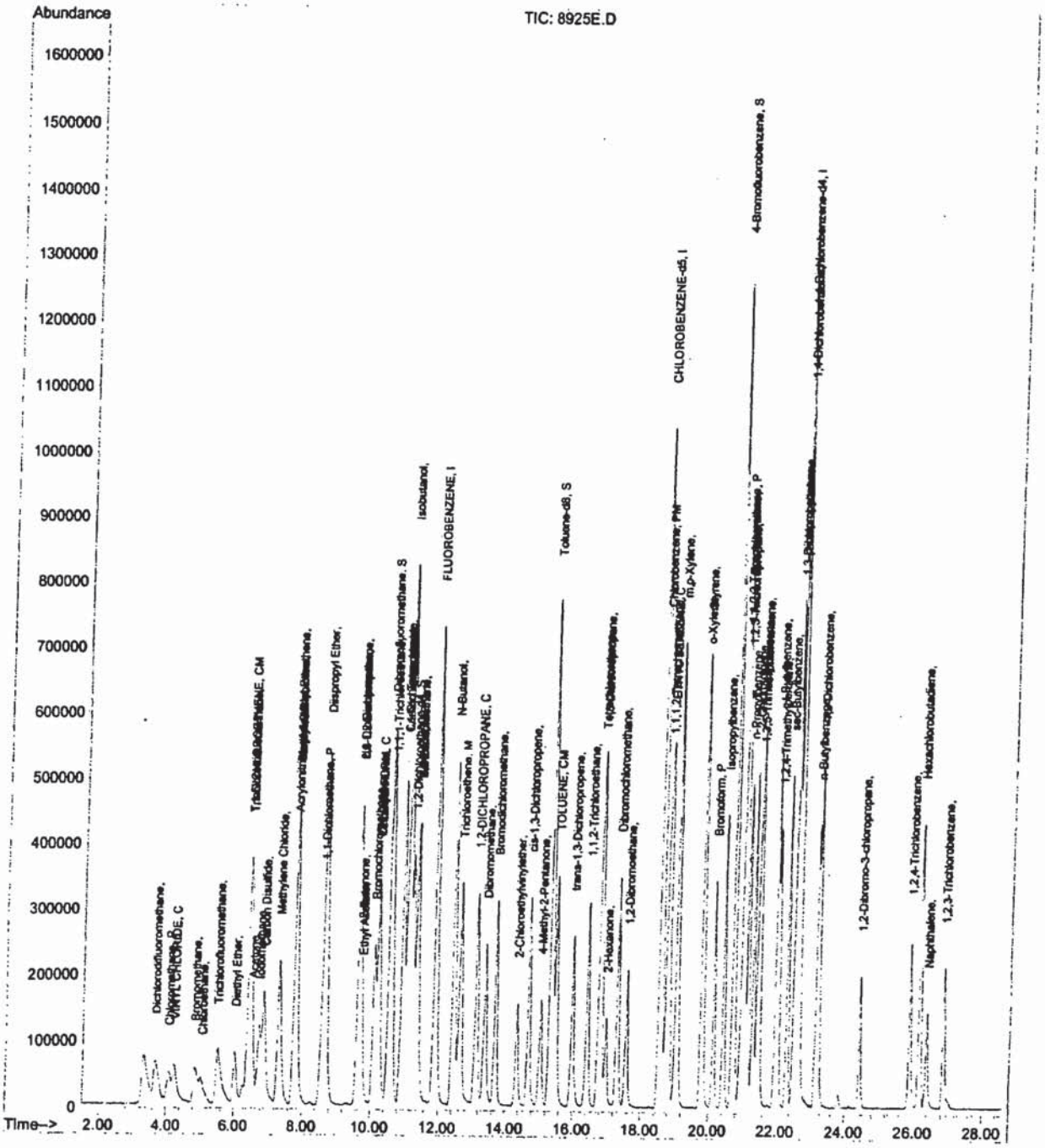
Quantitation Report

Data File : E:\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:21 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

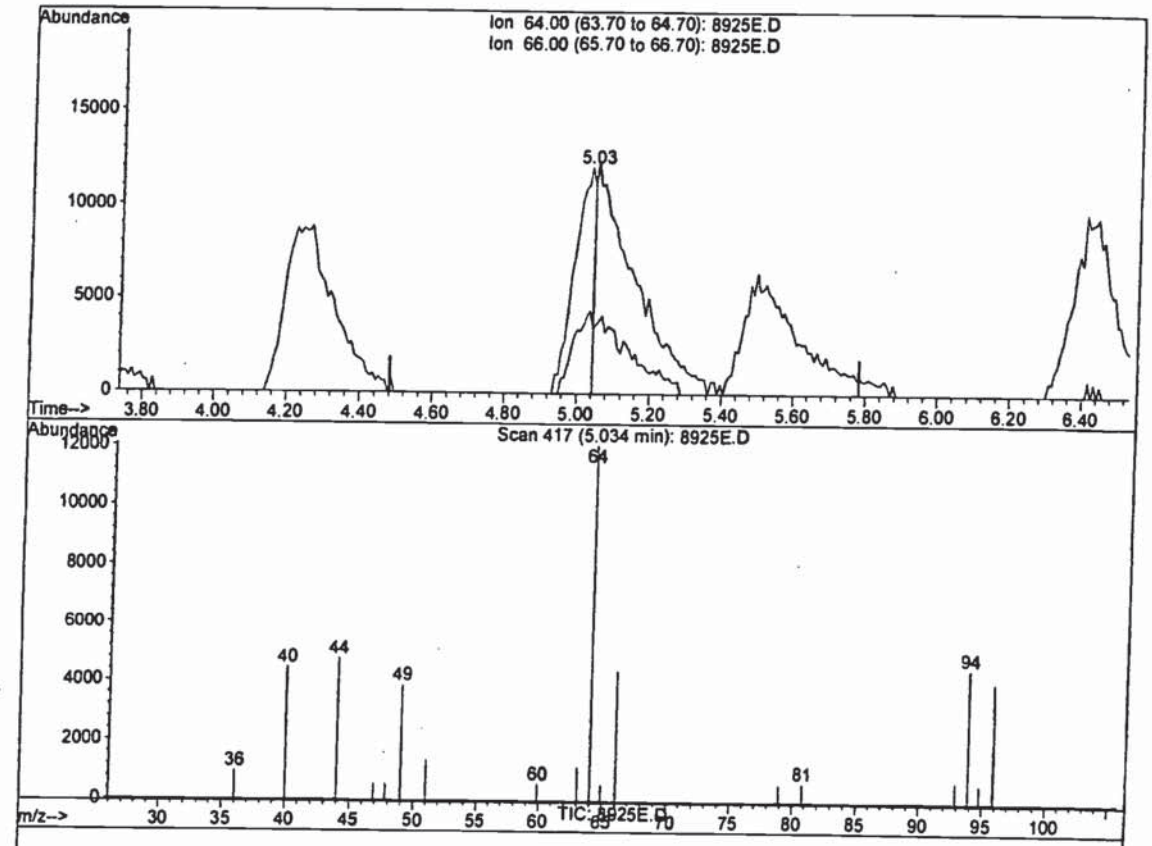


Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
Quant Time: Aug 16 10:17 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.03min 7.77UG/L

response 45494

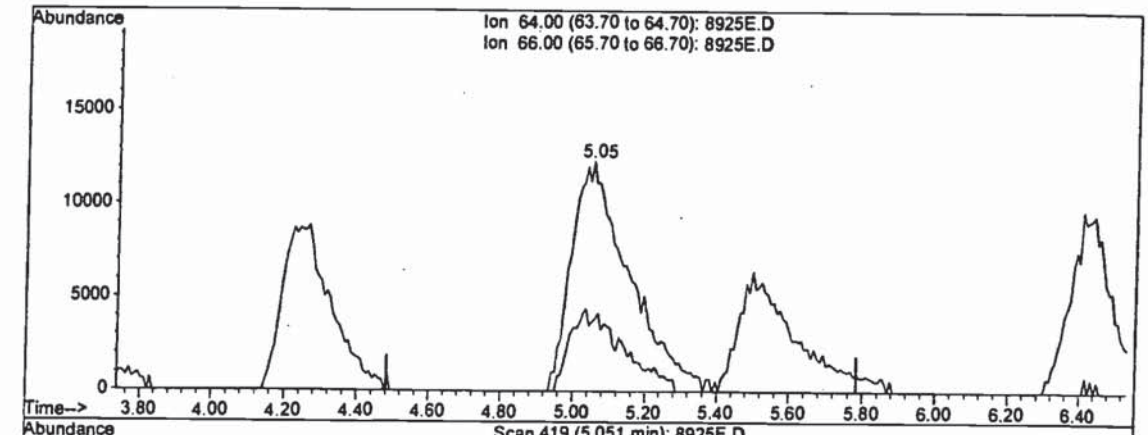
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	34.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
Quant Time: Aug 16 10:21 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.05min 23.18UG/L m

response 135653

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	11.46#
0.00	0.00	0.00
0.00	0.00	0.00

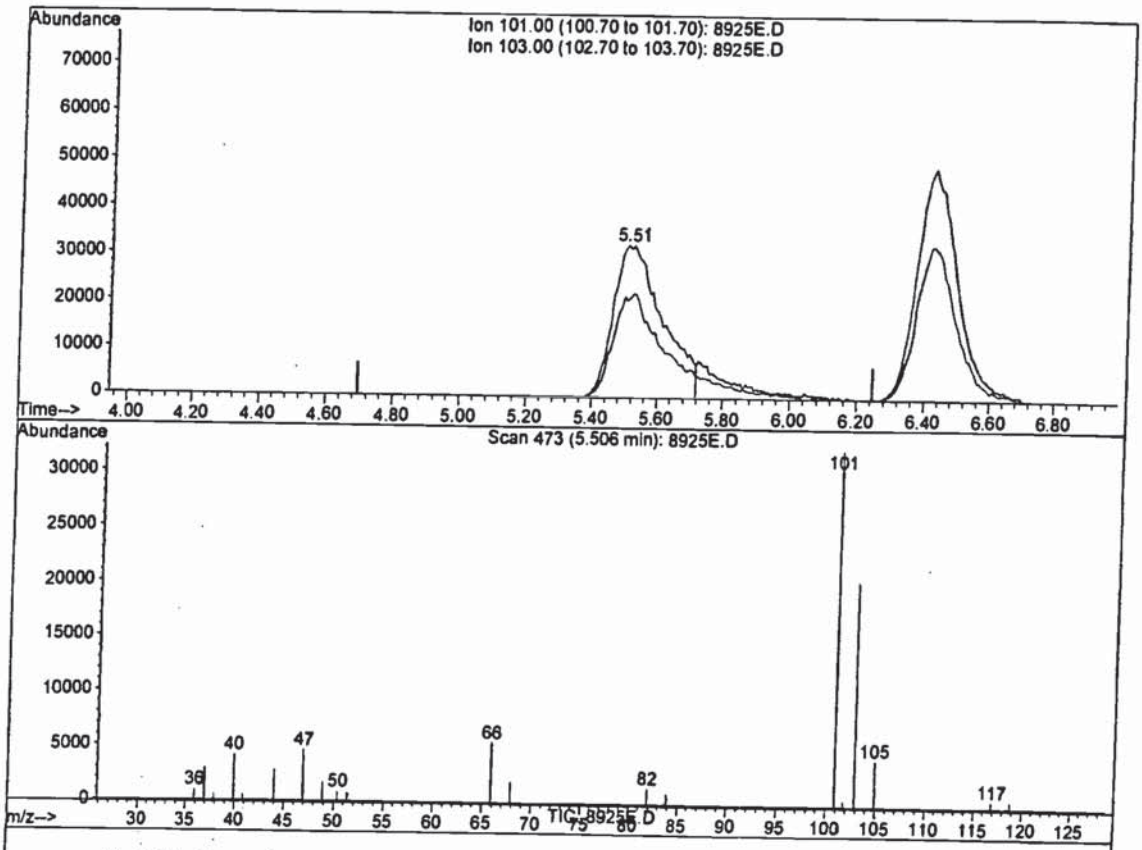
8925E.D 8260E1.M Wed Aug 16 10:21:02 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
Quant Time: Aug 16 10:21 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.51min 16.97UG/L

response 337763

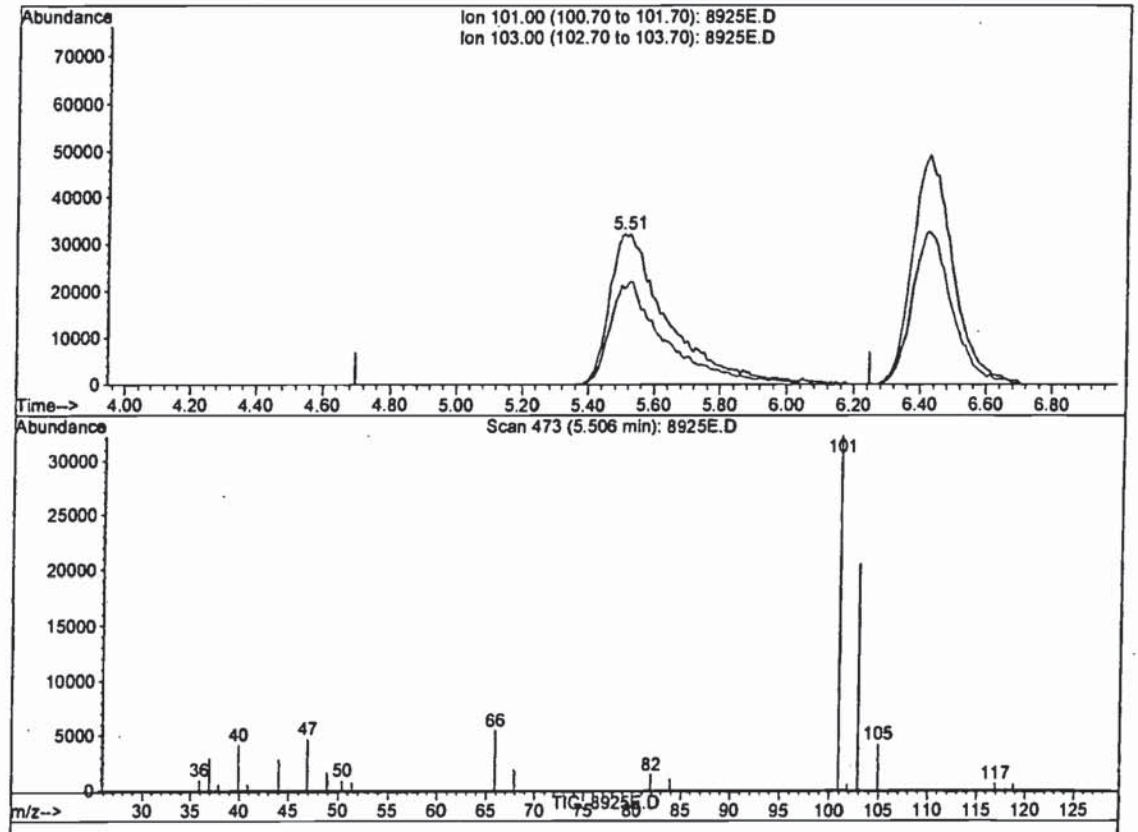
Ion	Exp%	Act%
101.00	100	100
103.00	64.80	74.40
0.00	0.00	0.00
0.00	0.00	0.00

8925E.D 8260E1.M Wed Aug 16 10:21:08 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D Vial: 1
Acq On : 16 Aug 06 9:48 Operator: HAROLD
Sample : VSTD020 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Aug 16 10:21 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.51min 19.92UG/L m

response 396562

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	63.37
0.00	0.00	0.00
0.00	0.00	0.00

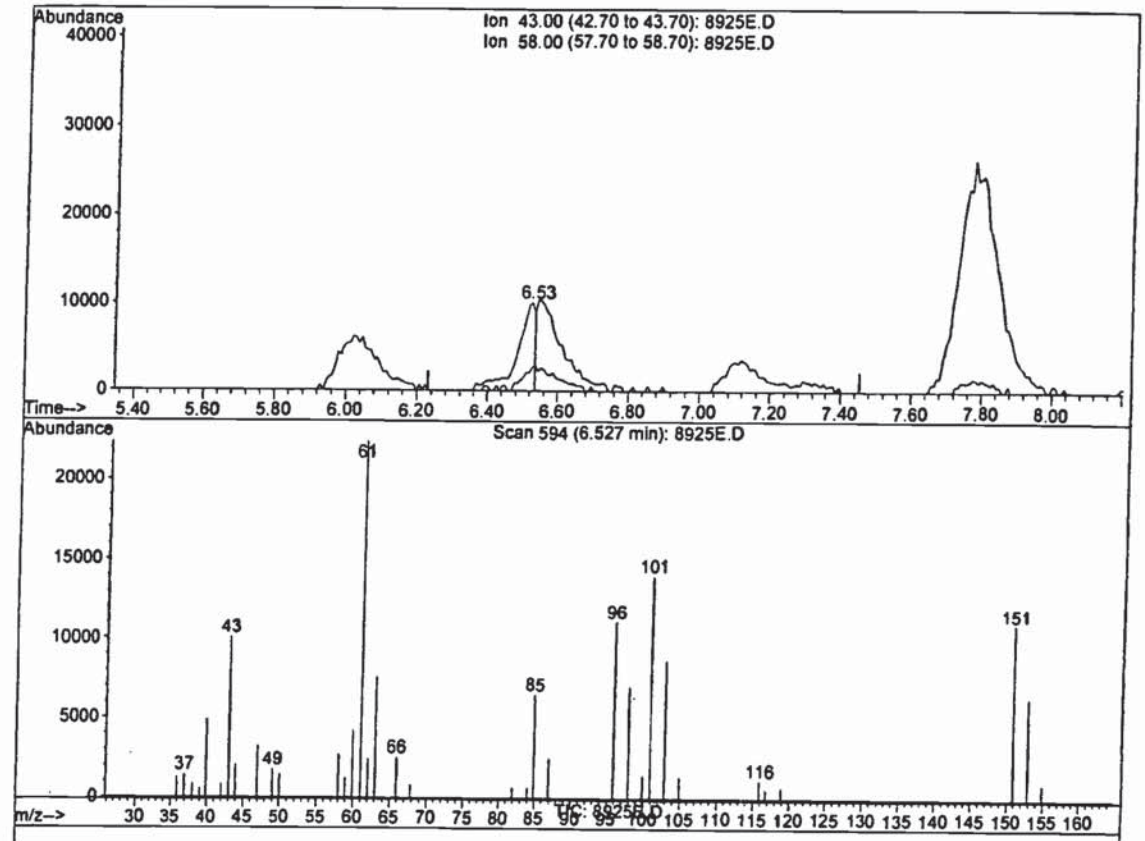
8925E.D 8260E1.M Wed Aug 16 10:21:14 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
Quant Time: Aug 16 10:21 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(11) Acetone

6.53min 7.67UG/L

response 37170

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	50.52#
0.00	0.00	0.00
0.00	0.00	0.00

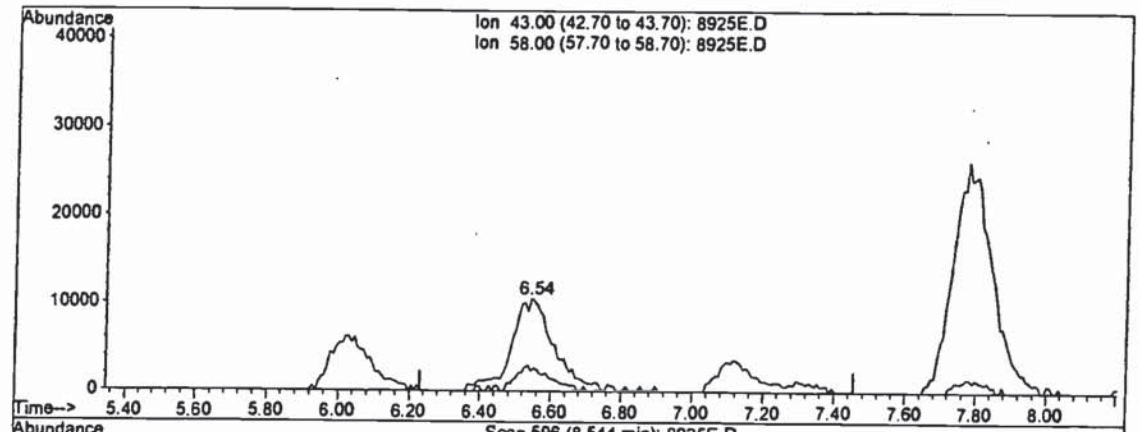
8925E.D 8260E1.M Wed Aug 16 10:21:19 2006

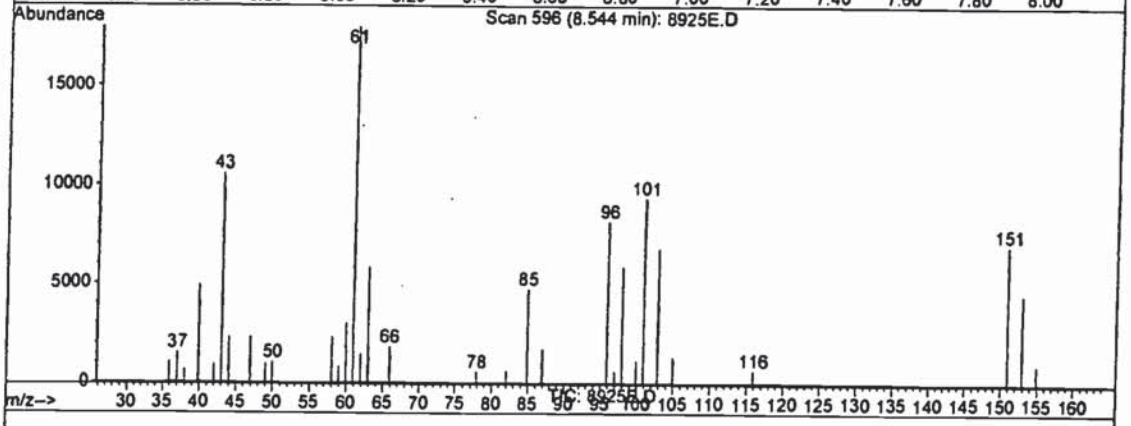
Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8925E.D
Acq On : 16 Aug 06 9:48
Sample : VSTD020
Misc :
Quant Time: Aug 16 10:21 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration





(11) Acetone

6.54min 23.73UG/L m

response 87505

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	21.46#
0.00	0.00	0.00
0.00	0.00	0.00

8925E.D 8260E1.M Wed Aug 16 10:21:25 2006

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8926E.D
Acq On : 16 Aug 06 10:26
Sample : VSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:58 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1575871	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.52	117	1109682	50.00 UG/L	0.06
63) 1,4-Dichlorobenzene-d4	22.59	152	620475	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	650274	53.66 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 107.32%#		
44) Toluene-d8	15.32	98	1407860	47.25 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 94.50%#		
47) Dibromofluoromethane	10.52	113	1015621	51.13 UG/L	0.06
Spiked Amount 50.000			Recovery = 102.26%		
50) 4-Bromofluorobenzene	20.70	95	1141628	38.16 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 76.32%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.66	85	804318	49.15 UG/L	100
3) Chloromethane	4.07	50	631554	46.77 UG/L	100
4) VINYL CHLORIDE	4.25	62	590422	52.81 UG/L	97
5) Bromomethane	4.83	94	378563	65.90 UG/L	99
6) Chloroethane	5.01	64	311380	54.51 UG/L #	59
7) Trichlorofluoromethane	5.50	101	915007m	47.08 UG/L	97
8) Acrolein	7.80	56	86196	298.15 UG/L	100
9) Diethyl Ether	6.01	59	380225	51.73 UG/L	100
10) Trichlorotrifluoroethane	6.41	101	989866	48.01 UG/L #	100
11) Acetone	6.53	43	207323	63.59 UG/L #	80
12) 1,1-DICHLOROETHENE	6.43	96	516092	48.02 UG/L	100
13) Methylene Chloride	7.29	84	657881	49.24 UG/L #	72
14) Acrylonitrile	7.74	53	727573	364.00 UG/L	100
15) Carbon Disulfide	6.84	76	1752489	47.63 UG/L	97
16) Vinyl Acetate	7.77	43	483229	50.75 UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	579631	49.48 UG/L #	65
18) 1,1-Dichloroethane	8.54	63	1302369	52.57 UG/L	100
19) Methyl-t-butyl Ether	7.77	73	1112376	46.46 UG/L	100
20) Diispropyl Ether	8.63	45	3108854	56.70 UG/L	100
21) 2-Butanone	9.71	43	1349357	59.69 UG/L #	59
22) Ethyl Acetate	9.73	88	22761m	52.42 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	618033	48.87 UG/L #	34
24) CHLOROFORM	10.20	83	1235987	49.52 UG/L	97
25) Bromochloromethane	10.08	128	421653	47.42 UG/L #	61
26) 2,2-Dichloropropane	9.62	77	825790	48.30 UG/L #	100
27) Tetrahydrofuran	10.19	42	618514	301.21 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	917888	47.78 UG/L #	100
29) Iodomethane	6.72	142	1410796	73.02 UG/L	100
30) 1,1-Dichloropropene	10.91	75	933272	51.72 UG/L #	100
32) Carbon Tetrachloride	10.92	117	833736	46.98 UG/L	91
33) 1,2-Dichloroethane	11.36	62	857056	51.63 UG/L #	100
34) Isobutanol	11.09	43	4049187	9541.28 UG/L	100
35) Benzene	11.33	78	1453733	51.37 UG/L	100
36) N-Butanol	12.45	43	1471533	7057.76 UG/L	100
37) Trichloroethene	12.63	130	664534	47.33 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8926E.D
Acq On : 16 Aug 06 10:26
Sample : VSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:58 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 1,2-DICHLOROPROPANE	13.12	63	874202	54.12 UG/L	100
39) Bromodichloromethane	13.68	83	1322235	49.33 UG/L	100
40) Dibromomethane	13.37	93	718581	48.78 UG/L	99
41) 2-Chloroethylvinylether	14.33	63	453514	61.41 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	1083652	60.57 UG/L #	88
43) cis-1,3-Dichloropropene	14.69	75	1071583	51.24 UG/L	100
45) TOLUENE	15.48	91	1545622	49.12 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	839167	50.39 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	604692	49.03 UG/L	100
49) 1,2-Dibromoethane	17.56	107	906398	47.22 UG/L #	100
52) 2-Hexanone	16.98	43	748204	71.47 UG/L #	88
53) 1,3-Dichloropropane	16.80	76	977716	61.91 UG/L	100
54) Tetrachloroethene	16.75	166	793261	54.88 UG/L	95
55) Dibromochloromethane	17.30	129	987957	55.70 UG/L	100
56) Chlorobenzene	18.57	112	1111895	57.83 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.73	131	637921	56.20 UG/L	100
58) ETHYL BENZENE	18.79	106	469312	57.86 UG/L	85
59) m,p-Xylene	19.01	106	1074004	117.95 UG/L #	69
60) o-Xylene	19.76	106	546307	59.41 UG/L	78
61) Styrene	19.79	104	912624	59.68 UG/L #	38
62) Bromoform	20.13	173	889848	53.43 UG/L	100
64) Isopropylbenzene	20.42	105	1458570	62.66 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	1046498	60.82 UG/L #	100
66) Bromobenzene	20.97	77	1696735	60.92 UG/L	100
67) 1,2,3-Trichloropropane	21.02	110	200154	56.94 UG/L	100
68) n-Propylbenzene	21.14	92	226815	65.40 UG/L	90
69) 1,3,5-Trimethylbenzene	21.42	105	1051959	64.70 UG/L	100
70) 2-Chlorotoluene	21.30	126	417960	61.32 UG/L	100
71) 4-Chlorotoluene	21.47	126	386031	61.04 UG/L	100
72) t-Butylbenzene	21.96	119	1181569	62.31 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	1007105	64.71 UG/L	100
74) sec-Butylbenzene	22.30	105	1682300	64.73 UG/L	100
75) p-Isopropyltoluene	22.51	119	1027665	65.40 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	804626	58.71 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	838871	60.47 UG/L	100
78) n-Butylbenzene	23.14	92	688624	70.51 UG/L	94
79) 1,2-Dichlorobenzene	23.20	146	806048	57.81 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.44	157	251442	53.36 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	465006	58.56 UG/L	100
82) Naphthalene	26.38	128	688657	62.88 UG/L	100
83) Hexachlorobutadiene	26.16	225	505650	51.71 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	428204	54.25 UG/L	100

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

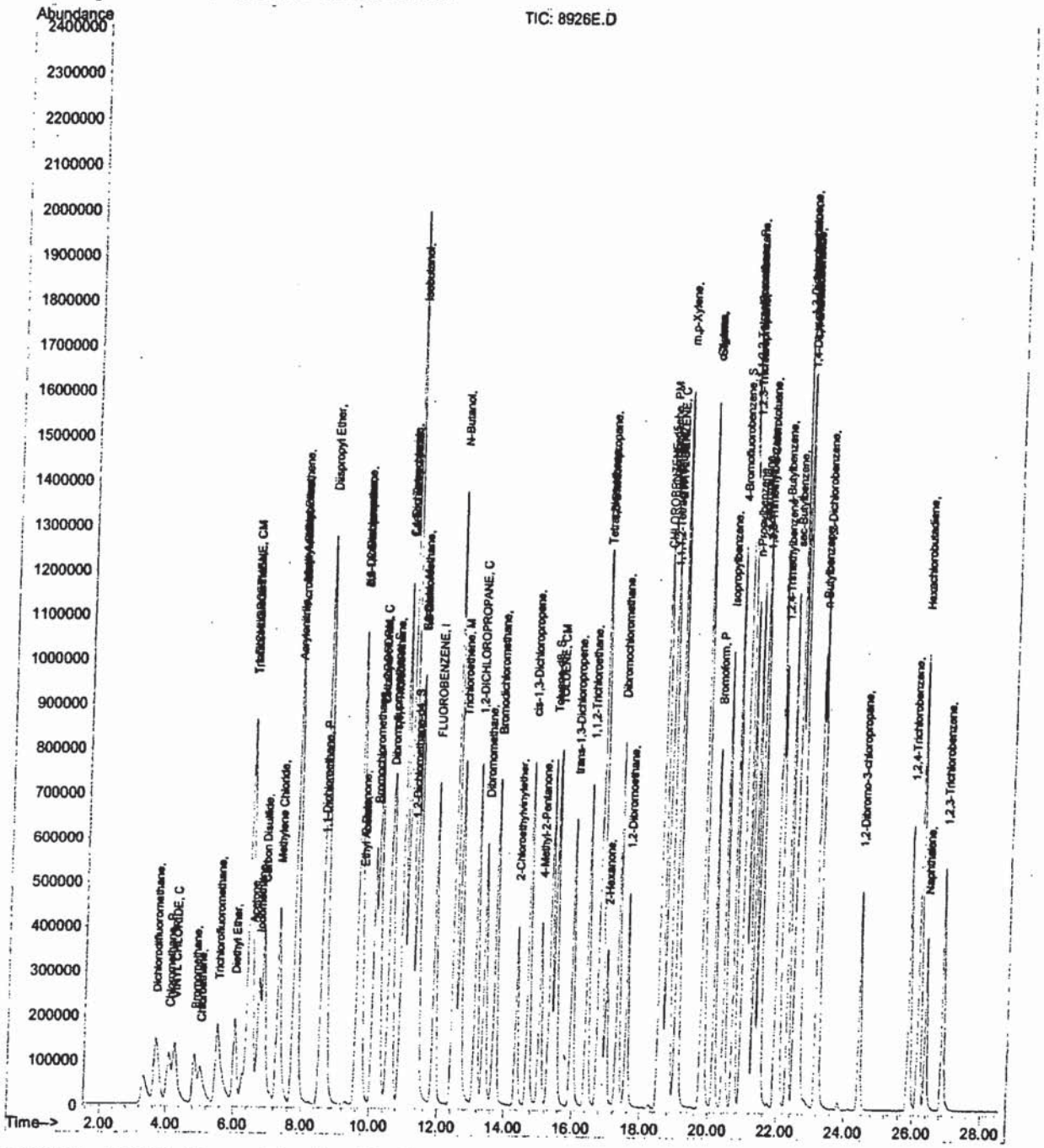
Quantitation Report

Data File : E:\DATA\E081606\8926E.D
Acq On : 16 Aug 06 10:26
Sample : VSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 16 10:58 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

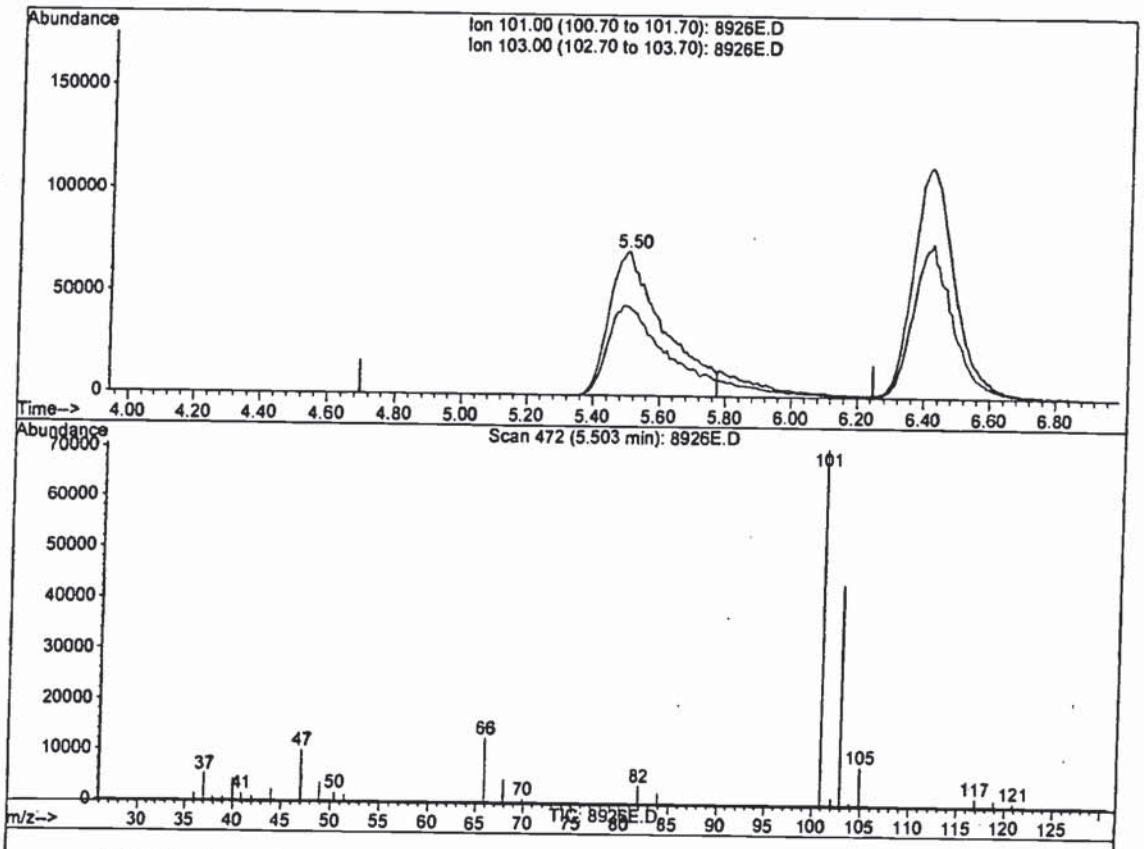


Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8926E.D
Acq On : 16 Aug 06 10:26
Sample : VSTD050
Misc :
Quant Time: Aug 16 10:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.50min 41.57UG/L

response 807952

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	62.13
0.00	0.00	0.00
0.00	0.00	0.00

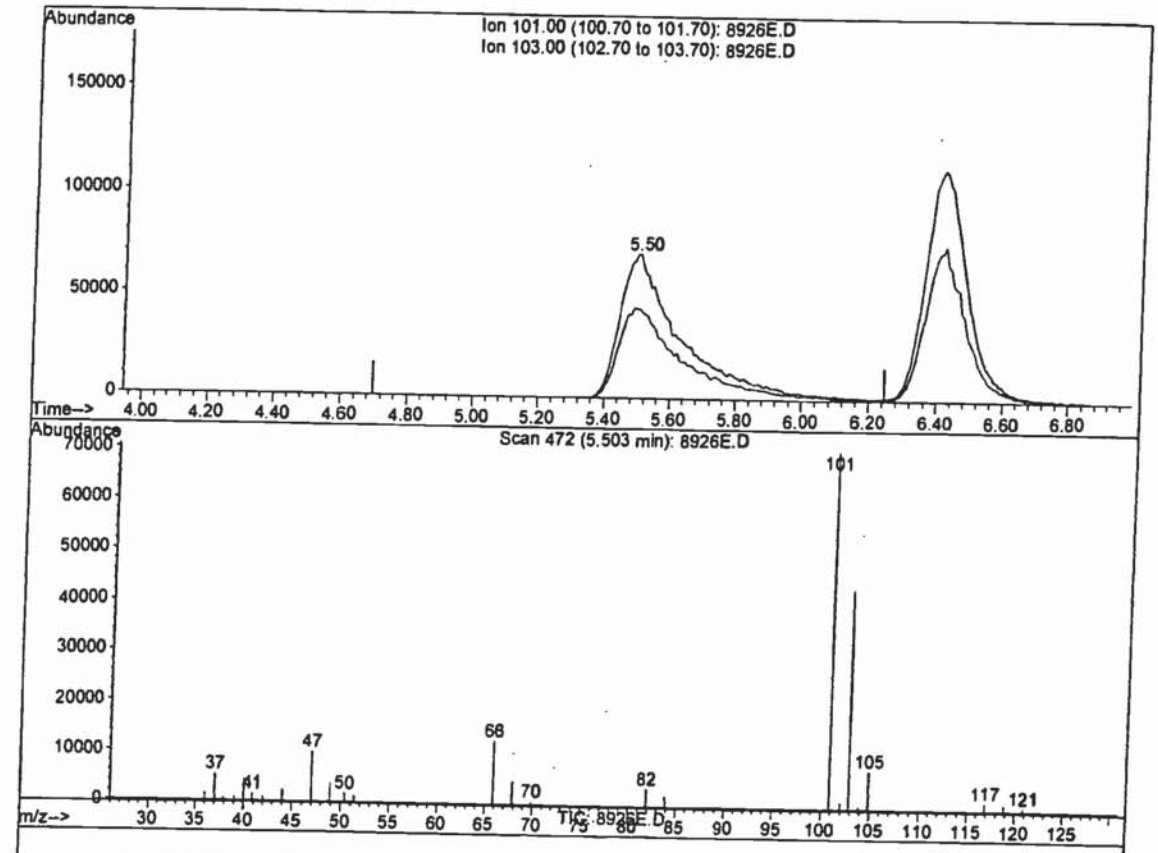
8926E.D 8260E1.M Wed Aug 16 10:57:48 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8926E.D
Acq On : 16 Aug 06 10:26
Sample : VSTD050
Misc :
Quant Time: Aug 16 10:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.50min 47.08UG/L m

response 915007

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	54.86
0.00	0.00	0.00
0.00	0.00	0.00

8926E.D 8260E1.M Wed Aug 16 10:57:53 2006

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:10 19106

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1511853	50.00 UG/L	0.04
51) CHLOROBENZENE-d5	18.52	117	1044719	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	550798	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	618551m	53.20 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 106.40%#		
44) Toluene-d8	15.33	98	1357117	47.47 UG/L	0.07
Spiked Amount 50.000	Range 44 - 55		Recovery = 94.94%#		
47) Dibromofluoromethane	10.52	113	956194	50.17 UG/L	0.05
Spiked Amount 50.000			Recovery = 100.34%		
50) 4-Bromofluorobenzene	20.69	95	1108373	38.62 UG/L	0.03
Spiked Amount 50.000	Range 43 - 58		Recovery = 77.24%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	1513499	96.41 UG/L	100
3) Chloromethane	4.06	50	1227009	94.71 UG/L	100
4) VINYL CHLORIDE	4.24	62	1167261	108.83 UG/L	98
5) Bromomethane	4.80	94	483161m	95.44 UG/L	99
6) Chloroethane	4.97	64	474560m	86.59 UG/L	99
7) Trichlorofluoromethane	5.46	101	1601002	85.87 UG/L #	38
8) Acrolein	7.78	56	152666	550.42 UG/L	100
9) Diethyl Ether	6.00	59	710057	100.69 UG/L	100
10) Trichlorotrifluoroethane	6.39	101	1686822	85.27 UG/L #	100
11) Acetone	6.53	43	339576	111.53 UG/L	92
12) 1,1-DICHLOROETHENE	6.42	96	930528	90.25 UG/L	100
13) Methylene Chloride	7.29	84	1165865	96.96 UG/L #	69
14) Acrylonitrile	7.72	53	1382447	720.91 UG/L	100
15) Carbon Disulfide	6.83	76	3142627	89.02 UG/L	98
16) Vinyl Acetate	7.77	43	912884	99.93 UG/L	100
17) trans-1,2-Dichloroethene	7.77	96	1029536	91.60 UG/L #	61
18) 1,1-Dichloroethane	8.54	63	2421096	101.86 UG/L	100
19) Methyl-t-butyl Ether	7.77	73	2102559	91.54 UG/L	100
20) Diispropyl Ether	8.63	45	5864061	111.48 UG/L	100
21) 2-Butanone	9.71	43	2539992	117.12 UG/L #	59
22) Ethyl Acetate	9.72	88	39853m	98.34 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	1135283	93.57 UG/L #	31
24) CHLOROFORM	10.20	83	2282648	95.32 UG/L	97
25) Bromochloromethane	10.08	128	796749	93.40 UG/L #	62
26) 2,2-Dichloropropane	9.62	77	1537497	93.74 UG/L #	100
27) Tetrahydrofuran	10.19	42	1163904	590.82 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	1698530	92.17 UG/L #	100
29) Iodomethane	6.71	142	2537893	136.91 UG/L	100
30) 1,1-Dichloropropene	10.89	75	1636330	94.52 UG/L #	100
32) Carbon Tetrachloride	10.91	117	1512766	88.85 UG/L	94
33) 1,2-Dichloroethane	11.35	62	1588044	99.72 UG/L #	100
34) Isobutanol	11.16	43	7423891	18233.97 UG/L	100
35) Benzene	11.33	78	2612892	96.24 UG/L	100
36) N-Butanol	12.49	43	2821558	14105.78 UG/L	100
37) Trichloroethene	12.62	130	1201118	89.17 UG/L	99

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:10 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 1,2-DICHLOROPROPANE	13.12	63	1639733	105.81 UG/L	100
39) Bromodichloromethane	13.69	83	2423939	94.26 UG/L	100
40) Dibromomethane	13.37	93	1330363	94.14 UG/L	98
41) 2-Chloroethylvinylether	14.34	63	885391	122.73 UG/L #	100
42) 4-Methyl-2-Pentanone	15.04	43	2082565	121.33 UG/L #	90
43) cis-1,3-Dichloropropene	14.69	75	2021976	100.79 UG/L	100
45) TOLUENE	15.47	91	2856763	94.63 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	1622714	101.56 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	1116054	94.33 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1715690	93.17 UG/L #	100
52) 2-Hexanone	16.97	43	1455625	147.69 UG/L #	88
53) 1,3-Dichloropropane	16.81	76	1784824	120.05 UG/L	100
54) Tetrachloroethene	16.76	166	1354516	99.54 UG/L	96
55) Dibromochloromethane	17.30	129	1853691	111.01 UG/L	100
56) Chlorobenzene	18.58	112	2030117	112.16 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.73	131	1114894	104.33 UG/L	100
58) ETHYL BENZENE	18.79	106	810359	106.12 UG/L	86
59) m,p-Xylene	19.02	106	1848837	215.68 UG/L #	70
60) o-Xylene	19.76	106	955674	110.38 UG/L	77
61) Styrene	19.78	104	1602664	111.32 UG/L #	38
62) Bromoform	20.13	173	1605645	102.40 UG/L	100
64) Isopropylbenzene	20.42	105	2468342	119.46 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	1794537	117.49 UG/L #	100
66) Bromobenzene	20.97	77	2883566	116.62 UG/L	100
67) 1,2,3-Trichloropropane	21.02	110	355640	113.97 UG/L	100
68) n-Propylbenzene	21.14	92	377676	122.68 UG/L	80
69) 1,3,5-Trimethylbenzene	21.42	105	1754150	121.54 UG/L	100
70) 2-Chlorotoluene	21.29	126	714258	118.05 UG/L	100
71) 4-Chlorotoluene	21.47	126	652948	116.30 UG/L	100
72) t-Butylbenzene	21.97	119	2017313	119.85 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	1714304	124.08 UG/L	100
74) sec-Butylbenzene	22.30	105	2837298	122.98 UG/L	100
75) p-Isopropyltoluene	22.52	119	1641155	117.65 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	1292820	106.26 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	1397915	113.51 UG/L	100
78) n-Butylbenzene	23.14	92	1106070	127.58 UG/L	95
79) 1,2-Dichlorobenzene	23.21	146	1357844	109.70 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	472511	112.95 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	786737	111.61 UG/L	100
82) Naphthalene	26.38	128	1238969	127.43 UG/L	100
83) Hexachlorobutadiene	26.17	225	893178	102.89 UG/L	100
84) 1,2,3-Trichlorobenzene	26.87	180	722970	103.19 UG/L	100

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

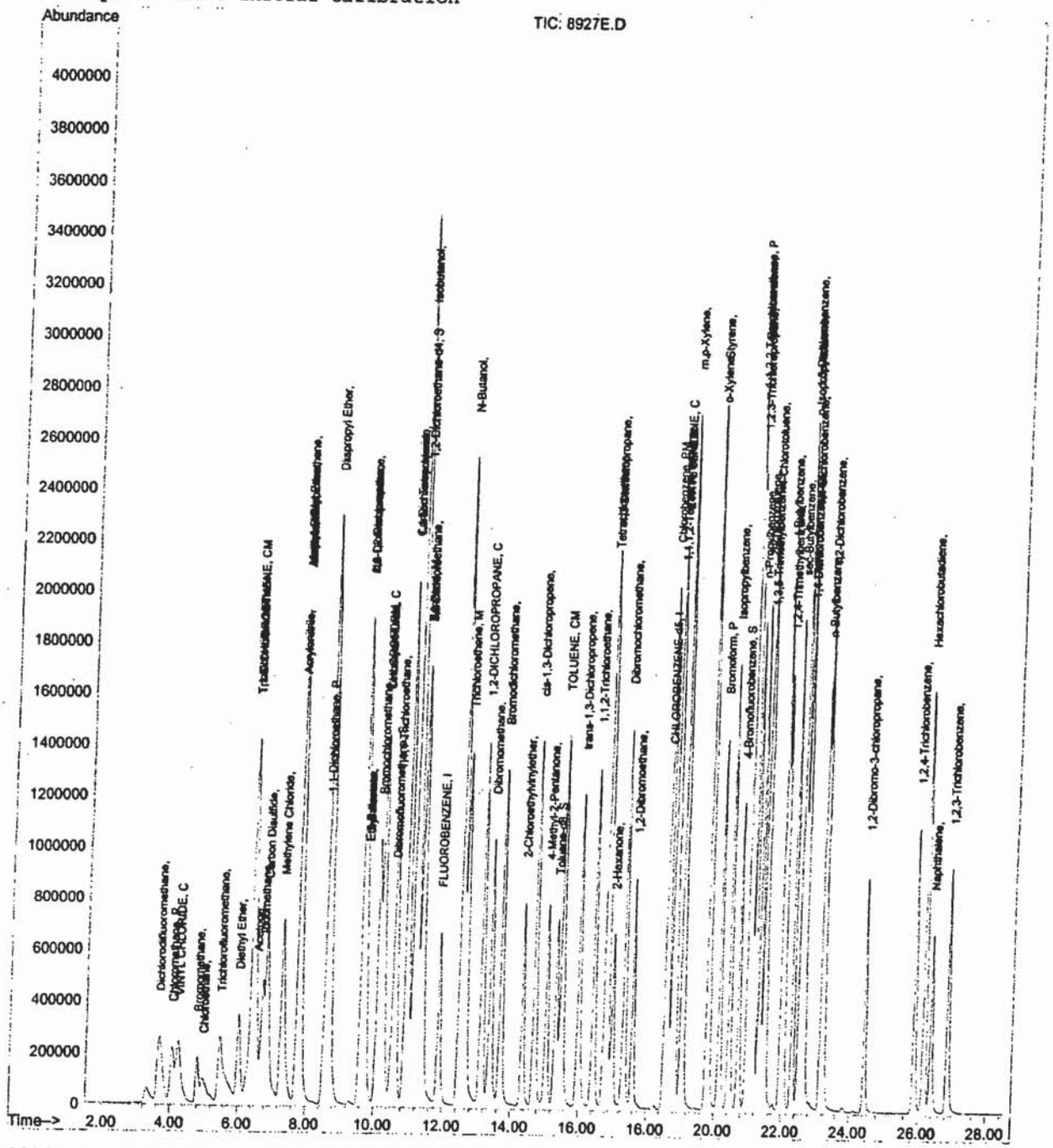
Quantitation Report

Data File : E:\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:10 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

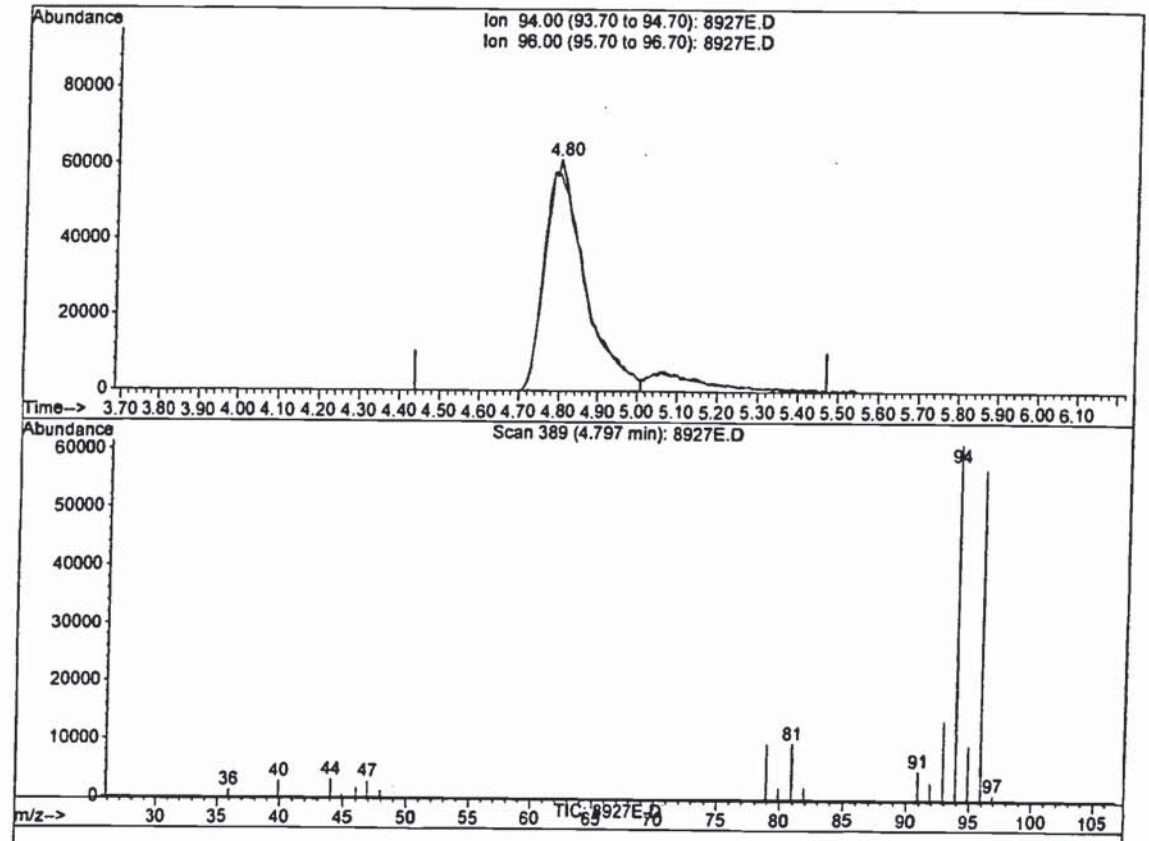


Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
Quant Time: Aug 16 11:33 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.80min 82.02UG/L

response 431013

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	98.15
0.00	0.00	0.00
0.00	0.00	0.00

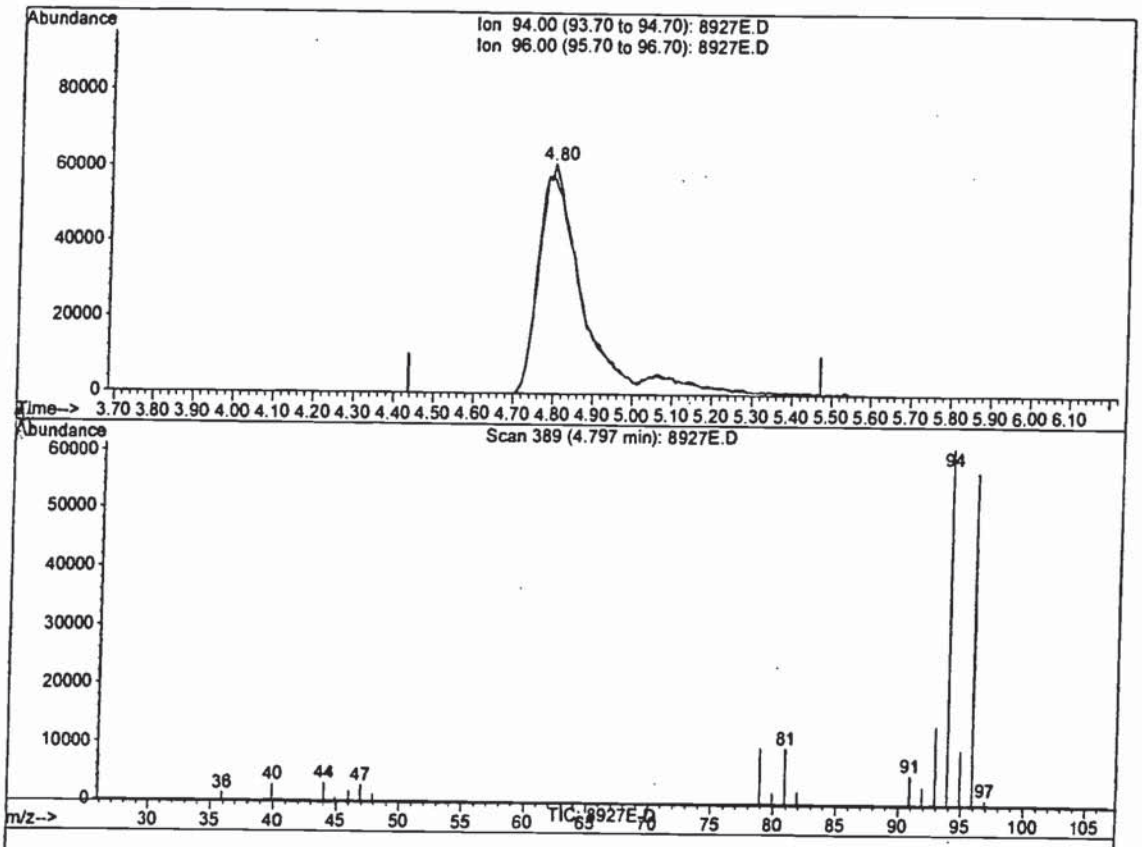
8927E.D 8260E1.M Thu Aug 17 06:09:47 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
Quant Time: Aug 17 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.80min 95.44UG/L m

response 483161

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	87.56
0.00	0.00	0.00
0.00	0.00	0.00

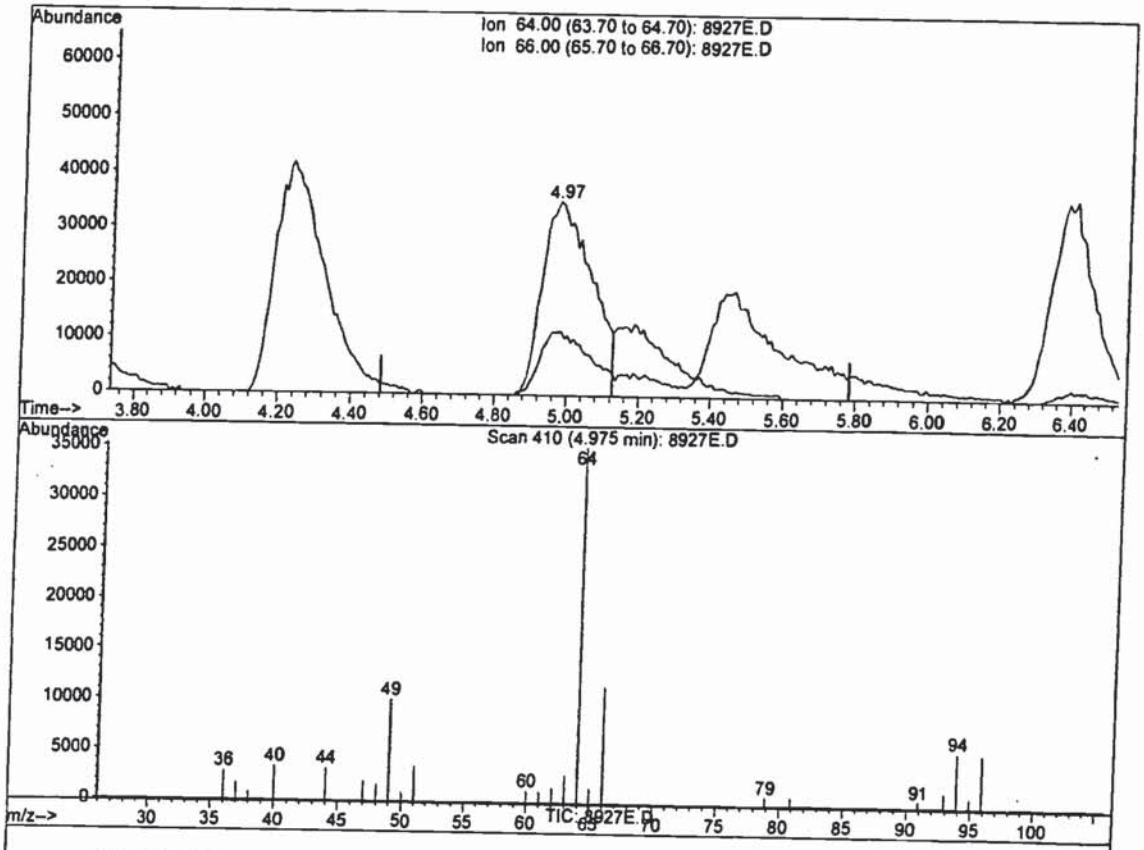
8927E.D 8260E1.M Thu Aug 17 06:09:52 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
Quant Time: Aug 17 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.97min 60.88UG/L

response 333644

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	33.65
0.00	0.00	0.00
0.00	0.00	0.00

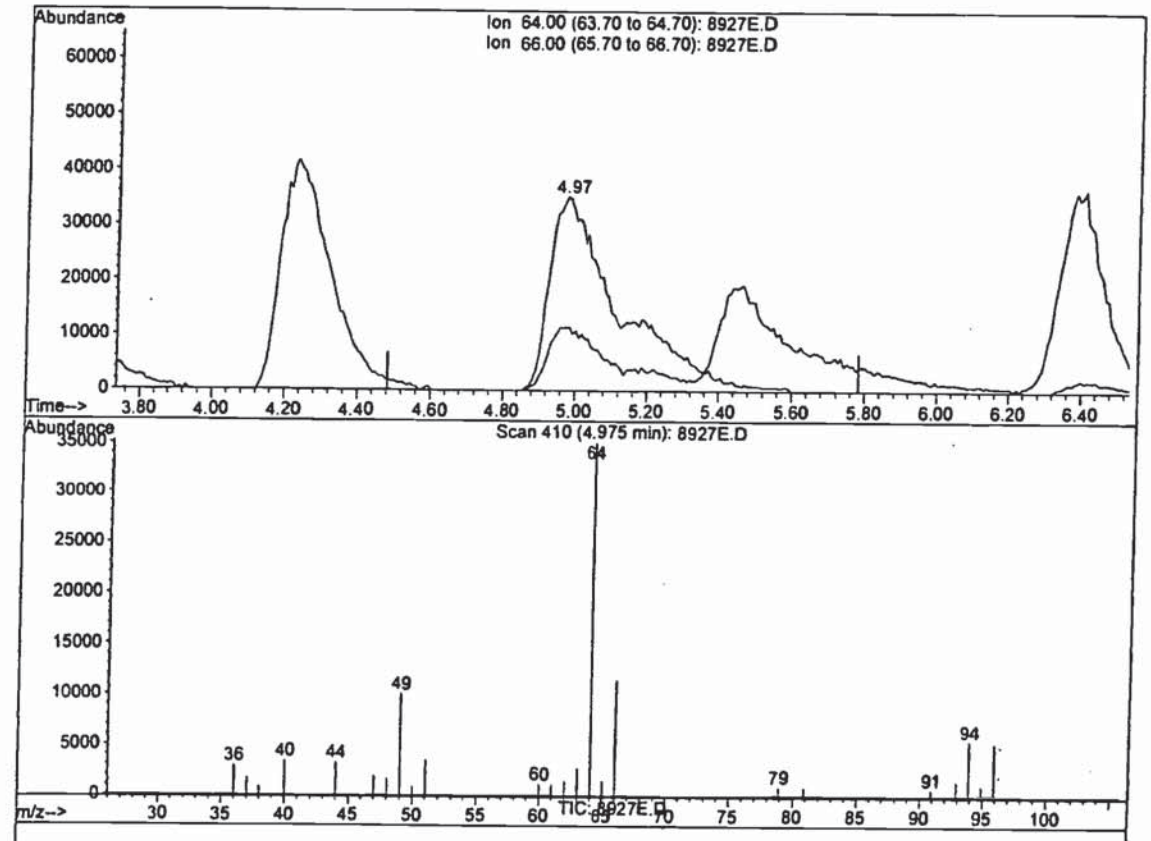
8927E.D 8260E1.M Thu Aug 17 06:09:56 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8927E.D
Acq On : 16 Aug 06 11:05
Sample : VSTD100
Misc :
Quant Time: Aug 17 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.97min 86.59UG/L m

response 474560

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	23.66#
0.00	0.00	0.00
0.00	0.00	0.00

8927E.D 8260E1.M Thu Aug 17 06:10:02 2006

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:37 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1391278	50.00 UG/L	0.04
51) CHLOROBENZENE-d5	18.52	117	929683	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.60	152	445304	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	575528m	53.79 UG/L	0.04
Spiked Amount 50.000	Range 40 - 60		Recovery = 107.58%#		
44) Toluene-d8	15.32	98	1269770	48.26 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 96.52%#		
47) Dibromofluoromethane	10.51	113	862425	49.17 UG/L	0.05
Spiked Amount 50.000			Recovery = 98.34%		
50) 4-Bromofluorobenzene	20.70	95	1016358	38.48 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 76.96%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.66	85	2635895	182.46 UG/L	100
3) Chloromethane	4.07	50	2296268	192.61 UG/L	100
4) VINYL CHLORIDE	4.23	62	2167366	219.58 UG/L	98
7) Trichlorofluoromethane	5.37	101	2438672m	142.13 UG/L	89
8) Acrolein	7.77	56	245890	963.37 UG/L	100
9) Diethyl Ether	5.98	59	1205661	185.78 UG/L	100
10) Trichlorotrifluoroethane	6.36	101	2831500m	155.54 UG/L	100
11) Acetone	6.56	43	630253	229.20 UG/L #	88
12) 1,1-DICHLOROETHENE	6.38	96	1485508	156.56 UG/L	100
13) Methylene Chloride	7.27	84	2015385	193.42 UG/L #	67
14) Acrylonitrile	7.74	53	2317845	1313.45 UG/L	100
15) Carbon Disulfide	6.79	76	5290650m	162.85 UG/L	99
16) Vinyl Acetate	7.77	43	1564037	186.04 UG/L	100
17) trans-1,2-Dichloroethene	7.75	96	1691874	163.57 UG/L #	57
18) 1,1-Dichloroethane	8.54	63	4194421	191.76 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	3521700	166.61 UG/L	100
20) Diispropyl Ether	8.63	45	10225863	211.24 UG/L	100
21) 2-Butanone	9.73	43	4526146	226.79 UG/L #	59
22) Ethyl Acetate	9.73	88	67799m	194.02 UG/L	100
23) cis-1,2-Dichloroethene	9.60	96	1889273	169.20 UG/L #	28
24) CHLOROFORM	10.21	83	3840961	174.30 UG/L	98
25) Bromochloromethane	10.07	128	1351289	172.13 UG/L #	57
26) 2,2-Dichloropropane	9.61	77	2569839	170.26 UG/L #	100
27) Tetrahydrofuran	10.20	42	2024010	1116.47 UG/L	100
28) 1,1,1-Trichloroethane	10.58	97	2838401	167.37 UG/L #	100
29) Iodomethane	6.69	142	4338023	254.30 UG/L	100
30) 1,1-Dichloropropene	10.89	75	2632779	165.26 UG/L #	100
32) Carbon Tetrachloride	10.90	117	2538705	162.03 UG/L	96
33) 1,2-Dichloroethane	11.36	62	2522734	172.15 UG/L #	100
34) Isobutanol	11.26	43	11884434	31719.32 UG/L	100
35) Benzene	11.32	78	3841937	153.77 UG/L	100
36) N-Butanol	12.58	43	4470210	24284.64 UG/L	100
37) Trichloroethene	12.63	130	1706930	137.71 UG/L	100
38) 1,2-DICHLOROPROPANE	13.11	63	2787595	195.46 UG/L	100
39) Bromodichloromethane	13.69	83	4052582	171.24 UG/L	99

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

Quantitation Report (QT Reviewed)

Data File : E:\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:37 19106

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) Dibromomethane	13.37	93	2188933	168.31 UG/L	100
41) 2-Chloroethylvinylether	14.34	63	1589358	237.36 UG/L #	100
42) 4-Methyl-2-Pentanone	15.07	43	3720641	235.55 UG/L #	89
43) cis-1,3-Dichloropropene	14.69	75	3475378	188.25 UG/L	100
45) TOLUENE	15.48	91	4781841	172.12 UG/L	100
46) trans-1,3-Dichloropropene	15.98	75	2822338	191.95 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	1847192	169.66 UG/L	100
49) 1,2-Dibromoethane	17.57	107	2750315	162.30 UG/L #	100
52) 2-Hexanone	17.00	43	2556602	291.48 UG/L #	88
53) 1,3-Dichloropropane	16.81	76	2850232	215.43 UG/L	100
54) Tetrachloroethene	16.75	166	2137057	176.49 UG/L	95
55) Dibromochloromethane	17.30	129	2980749	200.60 UG/L	100
56) Chlorobenzene	18.58	112	3316921	205.93 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.74	131	1741538	183.14 UG/L	100
58) ETHYL BENZENE	18.79	106	1252462	184.31 UG/L	88
59) m,p-Xylene	19.02	106	2780715	364.53 UG/L #	72
60) o-Xylene	19.76	106	1428487	185.41 UG/L	74
61) Styrene	19.80	104	2349125	183.36 UG/L #	32
62) Bromoform	20.14	173	2476165	177.45 UG/L	100
64) Isopropylbenzene	20.43	105	4029993	241.25 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	2582588	209.14 UG/L #	100
66) Bromobenzene	20.98	77	4286592	214.43 UG/L	100
67) 1,2,3-Trichloropropane	21.03	110	542347	214.98 UG/L	100
68) n-Propylbenzene	21.14	92	583652	234.50 UG/L	88
69) 1,3,5-Trimethylbenzene	21.43	105	2667179	228.58 UG/L	100
70) 2-Chlorotoluene	21.30	126	1098757	224.62 UG/L	100
71) 4-Chlorotoluene	21.48	126	942479	207.64 UG/L	100
72) t-Butylbenzene	21.96	119	3007140	220.97 UG/L	100
73) 1,2,4-Trimethylbenzene	22.04	105	2634556	235.86 UG/L	100
74) sec-Butylbenzene	22.31	105	4278594	229.38 UG/L	100
75) p-Isopropyltoluene	22.53	119	2248500	199.38 UG/L	100
76) 1,3-Dichlorobenzene	22.50	146	1798856	182.88 UG/L	100
77) 1,4-Dichlorobenzene	22.64	146	2101348	211.06 UG/L	100
78) n-Butylbenzene	23.15	92	1641843	234.24 UG/L	94
79) 1,2-Dichlorobenzene	23.20	146	2065965	206.45 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.43	157	783632	231.70 UG/L	100
81) 1,2,4-Trichlorobenzene	25.88	180	1278394	224.33 UG/L	100
82) Naphthalene	26.38	128	2103705	267.63 UG/L	100
83) Hexachlorobutadiene	26.17	225	1332436	189.86 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	1180519	208.41 UG/L	100

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

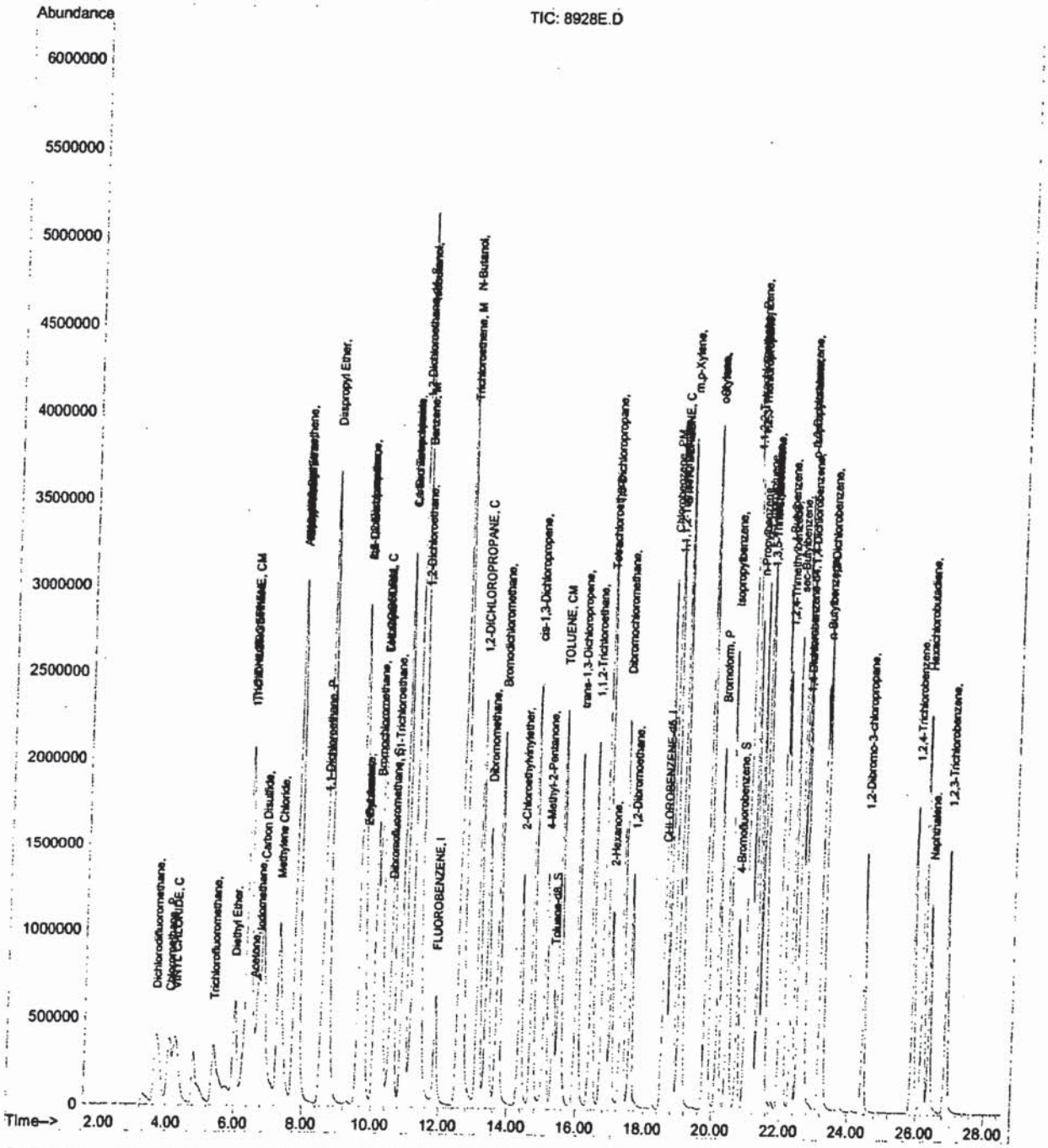
Quantitation Report

Data File : E:\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 17 6:37 19106

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

Quant Results File: 8260E1.RES

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Thu Aug 17 08:03:16 2006
Response via : Initial Calibration

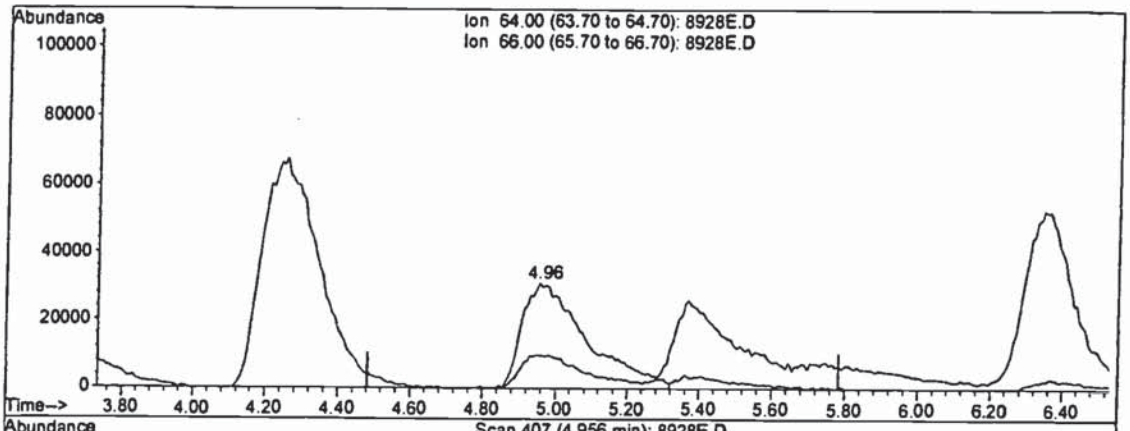


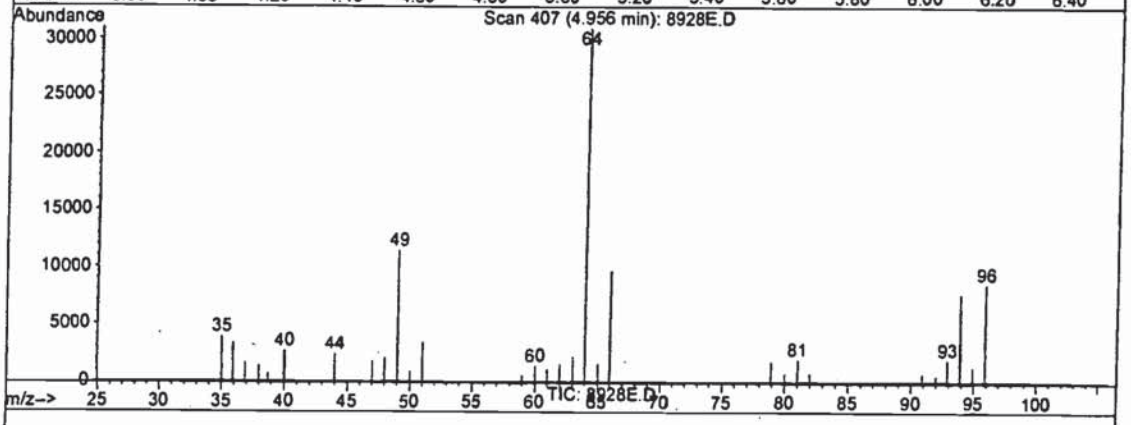
Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
Quant Time: Aug 16 12:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration





(6) Chloroethane

4.96min 75.53UG/L

response 380908

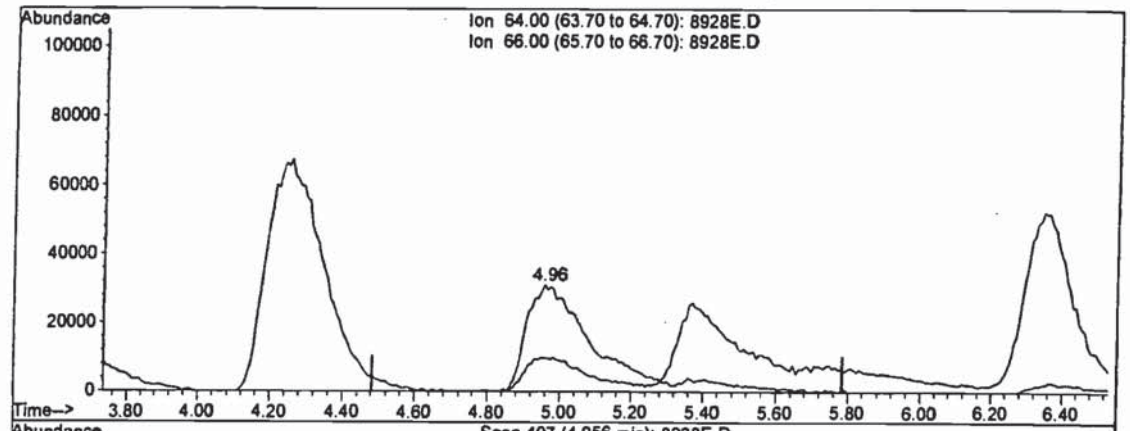
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	11.97#
0.00	0.00	0.00
0.00	0.00	0.00

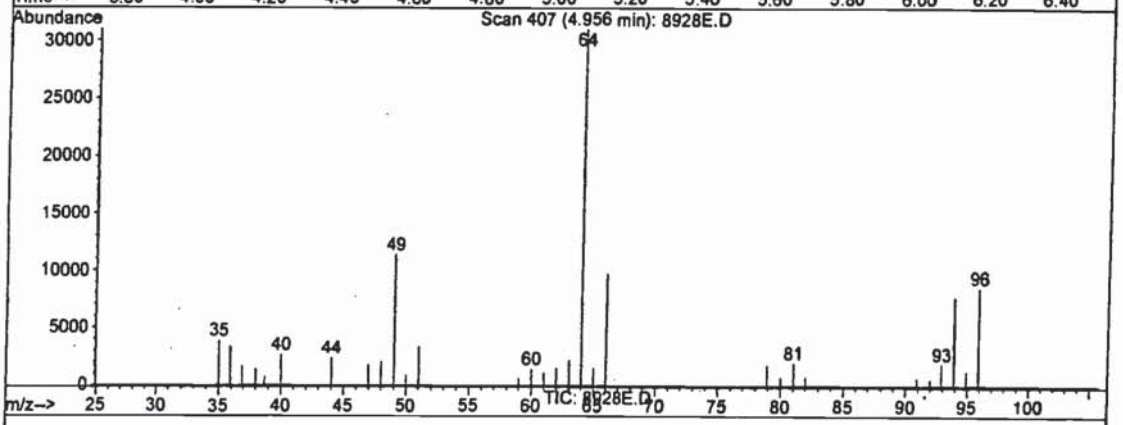
Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
Quant Time: Aug 17 6:11 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration





(6) Chloroethane

4.96min 83.59UG/L m

response 421578

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	10.82#
0.00	0.00	0.00
0.00	0.00	0.00

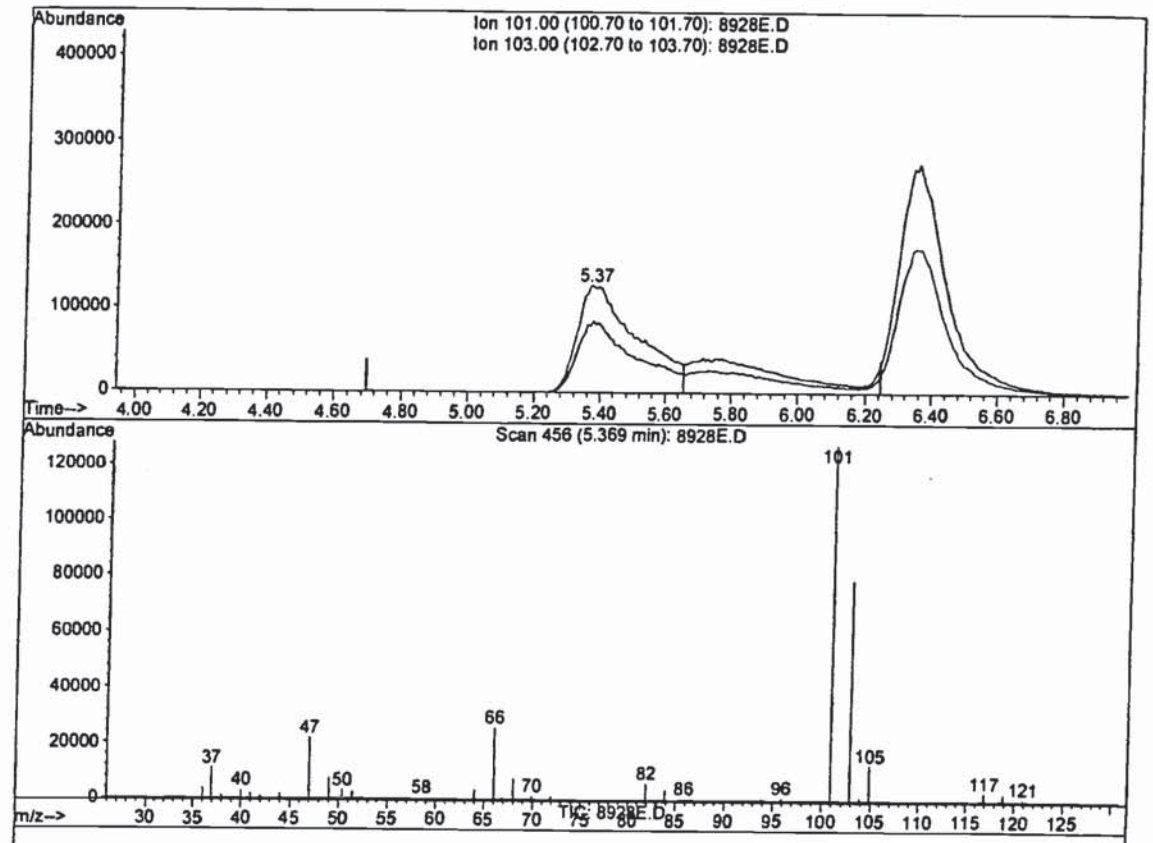
8928E.D 8260E1.M Thu Aug 17 06:11:11 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
Quant Time: Aug 17 6:11 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.37min 94.98UG/L

response 1629542

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	56.03
0.00	0.00	0.00
0.00	0.00	0.00

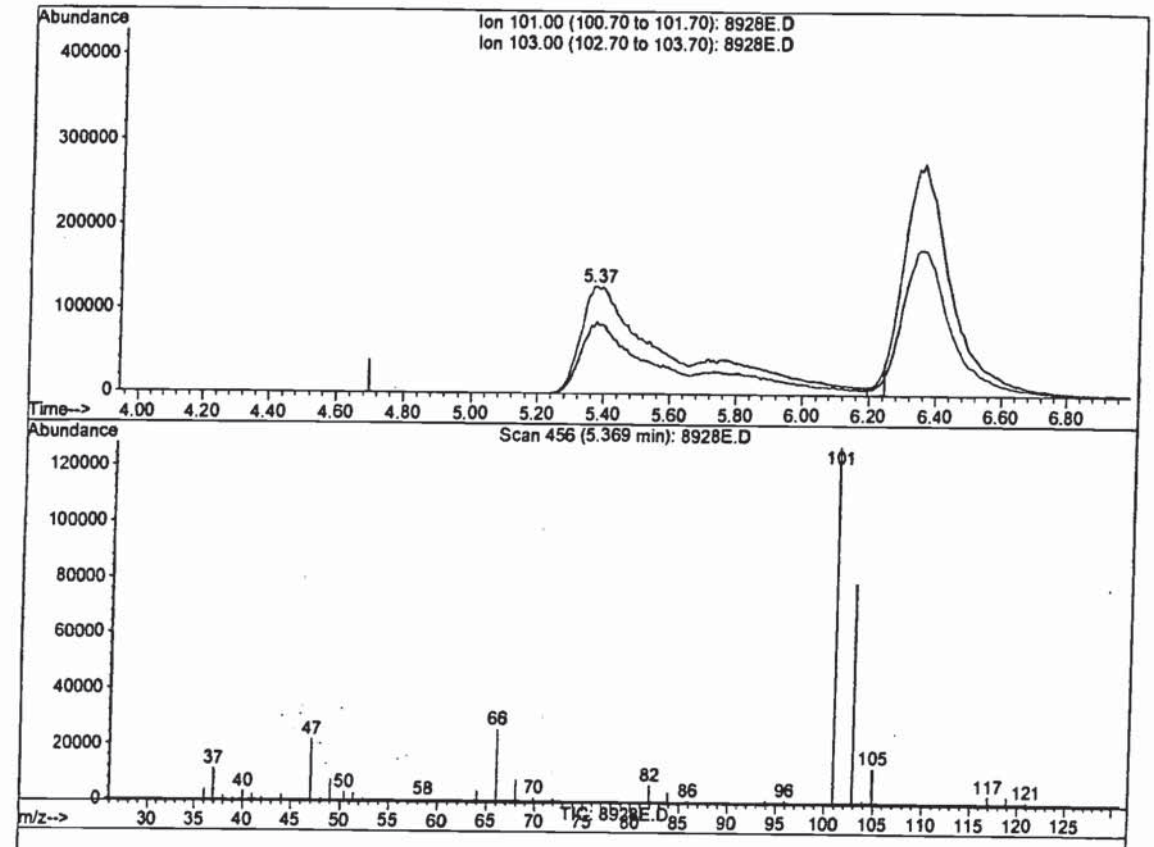
8928E.D 8260E1.M Thu Aug 17 06:11:16 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E081606\8928E.D
Acq On : 16 Aug 06 11:44
Sample : VSTD200
Misc :
Quant Time: Aug 17 6:11 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Wed Jul 12 05:21:48 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.37min 142.13UG/L m

response 2438672

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	37.44#
0.00	0.00	0.00
0.00	0.00	0.00

8928E.D 8260E1.M Thu Aug 17 06:11:22 2006

R509893 Heritage Environmental Services, LLC Q1888980

QC Report

QCType CCVD | Duplicate SampleID | DataFile 9480E.D
Date Entered 05Oct06 | Duplicate QCSampleID | Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 05:28:00 | Method | Matrix | Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.4286			15.7
236	CHLOROMETHANE	0.4146		0.3794			8.5
768	VINYL CHLORIDE	0.3860		0.3838			.6
198	BROMOMETHANE	50.0		42.7	QDR		14.6
234	CHLOROETHANE	0.2004		0.2014			.5
372	TRICHLOROFLUOROMETHANE	0.5591		0.6019			7.7
105	ACROLEIN	0.0107		0.0112			4.7
305	DIETHYL ETHER	0.2396		0.2740			14.4
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.7212			15.5
99	ACETONE (2-PROPANONE)	0.1311		0.1344			2.5
8	1,1-DICHLOROETHENE	0.3227		0.3647			13
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		57.0	QDR		14
106	ACRYLONITRILE	0.0926		0.0447			51.7
216	CARBON DISULFIDE	50.0		58.0	QDR		16
767	VINYL ACETATE	0.3073		0.3415			11.1
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.4142			15.1
7	1,1-DICHLOROETHANE	0.8247		0.8743			6
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8348			16.6
860	DI-ISOPROPYL ETHER (IPE)	1.9844		2.0866			5.2
52	2-BUTANONE	0.8481		0.9027			6.4
348	ETHYL ACETATE	50.0		66.2	QDR		32.4
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4621			17.8
235	CHLOROFORM	0.7814		0.8334			6.7
194	BROMOCHLOROMETHANE	0.2684		0.2973			10.8
709	TETRAHYDROFURAN	0.0787		0.0849			7.9
2	1,1,1-TRICHLOROETHANE	0.5757		0.6164			7.1
422	IODOMETHANE	0.8811		0.8650			1.8
10	1,1-DICHLOROPROPENE	0.5823		0.6316			8.5
217	CARBON TETRACHLORIDE	0.5269		0.5601			6.3
21	1,2-DICHLOROETHANE	0.5401		0.5512			2.1
1525	2-BUTANOL	0.0156		0.0191			22.4
151	BENZENE	0.9084		1.0103			11.2
517	N-BUTANOL	0.0077		0.0090			16.9
750	TRICHLOROETHENE	0.4167		0.4810			15.4
23	1,2-DICHLOROPROPANE	0.5518		0.5749			4.2
299	DICHLOROBROMOMETHANE	0.8323		0.8972			7.8
296	DIBROMOMETHANE	0.4550		0.4965			9.1
91	4-METHYL-2-PENTANONE	0.6883		0.7173			4.2
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7329			9.2
724	TOLUENE	0.9845		1.0759			9.3
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5785			10.3
4	1,1,2-TRICHLOROETHANE	0.3808		0.4292			12.7
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6546			13.2
60	2-HEXANONE	0.6826		0.6808			.3

RD 10/5/06

R509893 Heritage Environmental Services, LLC Q1888980

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8865			0
703	TETRACHLOROETHENE	0.7086		0.7862			11
295	DIBROMOCHLOROMETHANE	0.9057		0.9416			4
231	CHLOROBENZENE	1.0074		1.0289			2.1
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5837			2.6
349	ETHYL BENZENE	0.4280		0.4369			2.1
492	M/P-XYLENE	0.4912		0.5099			3.8
549	O-XYLENE	0.4976		0.5119			2.9
680	STYRENE	0.8176		0.8613			5.3
197	BROMOFORM	0.7927		0.8548			7.8
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.3981			3.3
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.7622			3.1
193	BROMOBENZENE	2.7665		2.8195			1.9
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3565			5.4
532	N-PROPYLBENZENE	0.3642		0.3763			3.3
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.8138			7.1
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.7060			3.5
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.6873			8.2
702	TERT-BUTYLBENZENE	1.9118		2.0678			8.2
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.7931			9.5
644	SEC-BUTYLBENZENE	2.7285		2.8231			3.5
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.7852			8.7
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.4208			8.7
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.4799			8.5
519	N-BUTYLBENZENE	1.0969		1.2002			9.4
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.4143			5.2
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4716			11.7
16	1,2,4-TRICHLOROBENZENE	0.7389		0.9541			29.1
493	NAPHTHALENE	1.1332		1.4039			23.9
398	HEXACHLOROBUTADIENE	0.8337		1.0018			20.2
13	1,2,3-TRICHLOROBENZENE	0.6814		0.8969			31.6
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2943			6.6
301	DICHLOROETHANE-D4	0.4057		0.3862			4.8
726	TOLUENE-D8	0.8893		0.8995			1.1
3362	DIBROMOFLUOROMETHANE	0.6387		0.6440			.8
196	4-BROMOFLUOROBENZENE	0.7304		0.7939			8.7

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (MG/KG UG/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.87	96	1729055	50.00 UG/L	0.05
51) CHLOROBENZENE-d5	18.50	117	1304464	50.00 UG/L	0.03
63) 1,4-Dichlorobenzene-d4	22.57	152	728830	50.00 UG/L	0.02
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.20	65	667794	47.60 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 95.20%#		
44) Toluene-d8	15.31	98	1555310	50.58 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 101.16%#		
47) Dibromofluoromethane	10.51	113	1113434	50.41 UG/L	0.05
Spiked Amount 50.000			Recovery = 100.82%		
50) 4-Bromofluorobenzene	20.68	95	1372769	54.35 UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 108.70%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	741002	42.15 UG/L	100
3) Chloromethane	4.05	50	655934	45.74 UG/L	100
4) VINYL CHLORIDE	4.23	62	663550	49.71 UG/L	98
5) Bromomethane	4.80	94	377049m	42.69 UG/L	98
6) Chloroethane	4.99	64	348214	50.26 UG/L #	83
7) Trichlorofluoromethane	5.48	101	1040801	53.83 UG/L	99
8) Acrolein	7.77	56	96883	260.93 UG/L	100
9) Diethyl Ether	6.00	59	473724	57.18 UG/L	100
10) Trichlorotrifluoroethane	6.41	101	1247052	57.76 UG/L #	100
11) Acetone	6.55	43	232319	51.23 UG/L	89
12) 1,1-DICHLOROETHENE	6.43	96	630530	56.51 UG/L	100
13) Methylene Chloride	7.29	84	806027	56.96 UG/L	80
14) Acrylonitrile	7.74	53	386201	120.64 UG/L	100
15) Carbon Disulfide	6.84	76	2191953	58.05 UG/L	98
16) Vinyl Acetate	7.78	43	590458	55.56 UG/L	100
17) trans-1,2-Dichloroethene	7.77	96	716166	57.56 UG/L #	72
18) 1,1-Dichloroethane	8.54	63	1511628	53.00 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1443439	58.31 UG/L	100
20) Diispropyl Ether	8.64	45	3607782	52.57 UG/L	100
21) 2-Butanone	9.72	43	1560772	53.22 UG/L #	59
22) Ethyl Acetate	9.71	88	31380m	66.19 UG/L	100
23) cis-1,2-Dichloroethene	9.61	96	799048	58.91 UG/L #	45

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D Vial: 1
Acq On : 4 Oct 06 5:28 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.20	83	1440946	53.33 UG/L	98
25) Bromochloromethane	10.07	128	514106	55.38 UG/L	77
26) 2,2-Dichloropropane	9.62	77	1002451	55.04 UG/L #	100
27) Tetrahydrofuran	10.18	42	733785	269.66 UG/L	100
28) 1,1,1-Trichloroethane	10.59	97	1065848	53.54 UG/L #	100
29) Iodomethane	6.73	142	1495562	49.08 UG/L	100
30) 1,1-Dichloropropene	10.90	75	1092144	54.23 UG/L #	100
32) Carbon Tetrachloride	10.92	117	968505	53.15 UG/L	94
33) 1,2-Dichloroethane	11.36	62	953054	51.03 UG/L #	100
34) Isobutanol	11.12	43	5454078	10142.05 UG/L	100
35) Benzene	11.33	78	1746910	55.61 UG/L	100
36) N-Butanol	12.46	43	1889810	7077.75 UG/L	100
37) Trichloroethene	12.62	130	831694	57.72 UG/L	99
38) 1,2-DICHLOROPROPANE	13.12	63	994096	52.09 UG/L	100
39) Bromodichloromethane	13.68	83	1551382	53.90 UG/L	100
40) Dibromomethane	13.37	93	858554	54.57 UG/L	100
41) 2-Chloroethylvinylether	14.32	63	508824	53.31 UG/L #	100
42) 4-Methyl-2-Pentanone	15.03	43	1240321	52.11 UG/L	92
43) cis-1,3-Dichloropropene	14.69	75	1267168	54.59 UG/L	100
45) TOLUENE	15.47	91	1860327	54.65 UG/L	100
46) trans-1,3-Dichloropropene	15.96	75	1000183	55.16 UG/L	100
48) 1,1,2-Trichloroethane	16.41	97	742156	56.36 UG/L	100
49) 1,2-Dibromoethane	17.55	107	1131794	56.60 UG/L #	100
52) 2-Hexanone	16.96	43	888057	49.87 UG/L #	91
53) 1,3-Dichloropropane	16.80	76	1156378	50.02 UG/L	100
54) Tetrachloroethene	16.75	166	1025543	55.48 UG/L	96
55) Dibromochloromethane	17.29	129	1228280	51.98 UG/L	100
56) Chlorobenzene	18.56	112	1342147	51.06 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.71	131	761417	51.31 UG/L	100
58) ETHYL BENZENE	18.77	106	569962	51.04 UG/L	92
59) m,p-Xylene	19.00	106	1330294	103.81 UG/L	76
60) o-Xylene	19.75	106	667743	51.44 UG/L	80
61) Styrene	19.78	104	1123485	52.67 UG/L #	43
62) Bromoform	20.12	173	1115069	53.92 UG/L	100
64) Isopropylbenzene	20.41	105	1747772	51.66 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.92	83	1284358	51.53 UG/L #	100
66) Bromobenzene	20.95	77	2054961	50.96 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.00	110	259837	52.71 UG/L	100
68) n-Propylbenzene	21.12	92	274269	51.66 UG/L	82
69) 1,3,5-Trimethylbenzene	21.41	105	1321961	53.53 UG/L	100
70) 2-Chlorotoluene	21.28	126	514544	51.76 UG/L	100
71) 4-Chlorotoluene	21.46	126	500901	54.09 UG/L	100
72) t-Butylbenzene	21.94	119	1507081	54.08 UG/L	100
73) 1,2,4-Trimethylbenzene	22.02	105	1306878	54.76 UG/L	100
74) sec-Butylbenzene	22.29	105	2057539	51.73 UG/L	100
75) p-Isopropyltoluene	22.50	119	1301079	54.36 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	1035518	54.33 UG/L	100
77) 1,4-Dichlorobenzene	22.61	146	1078566	54.27 UG/L	100
78) n-Butylbenzene	23.12	92	874720	54.71 UG/L	95
79) 1,2-Dichlorobenzene	23.19	146	1030765	52.59 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.42	157	343718	55.85 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	695365	64.56 UG/L	100
82) Naphthalene	26.36	128	1023194	61.94 UG/L	100
83) Hexachlorobutadiene	26.16	225	730156	60.08 UG/L	100
84) 1,2,3-Trichlorobenzene	26.86	180	653679	65.82 UG/L	100

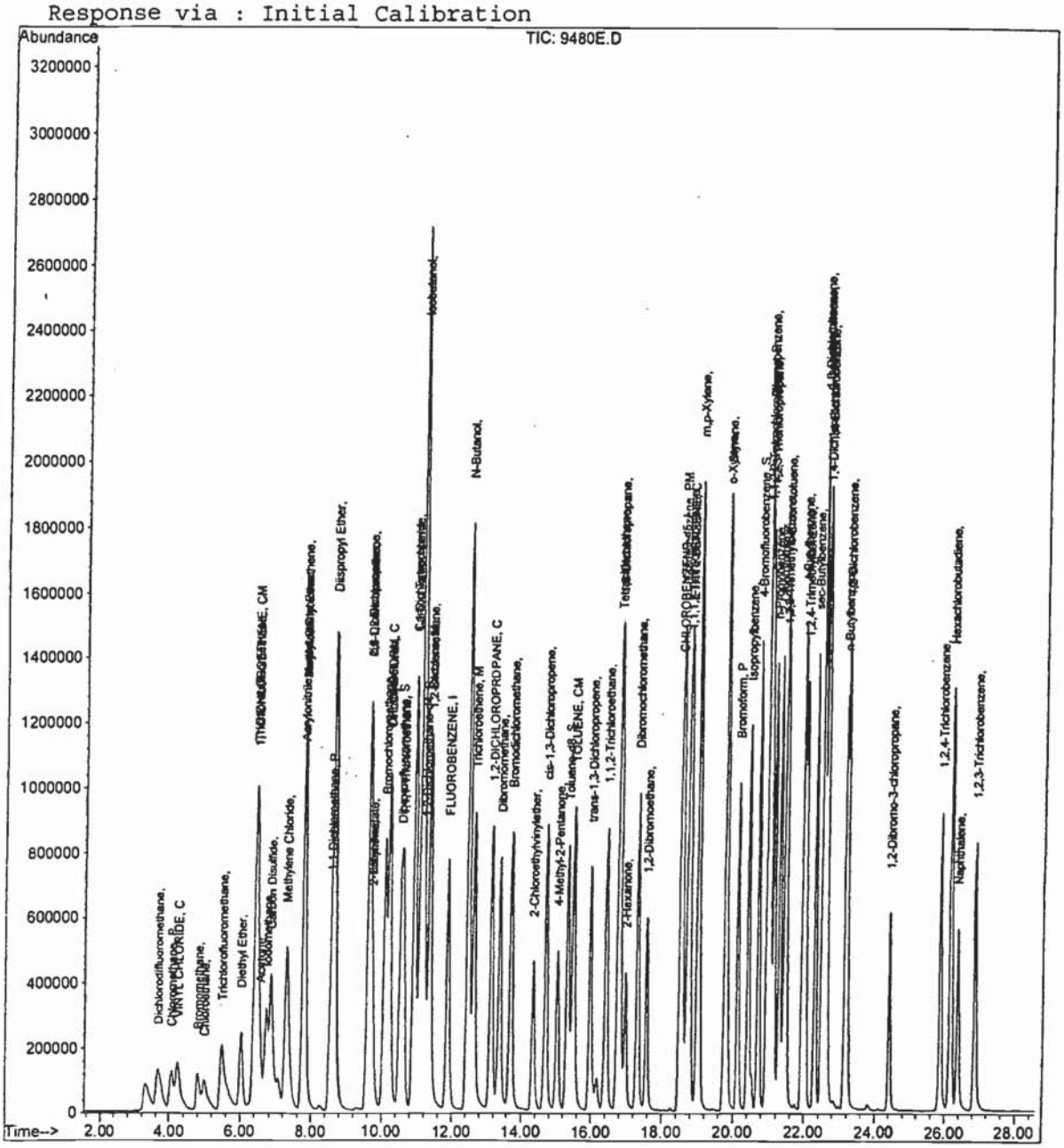
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

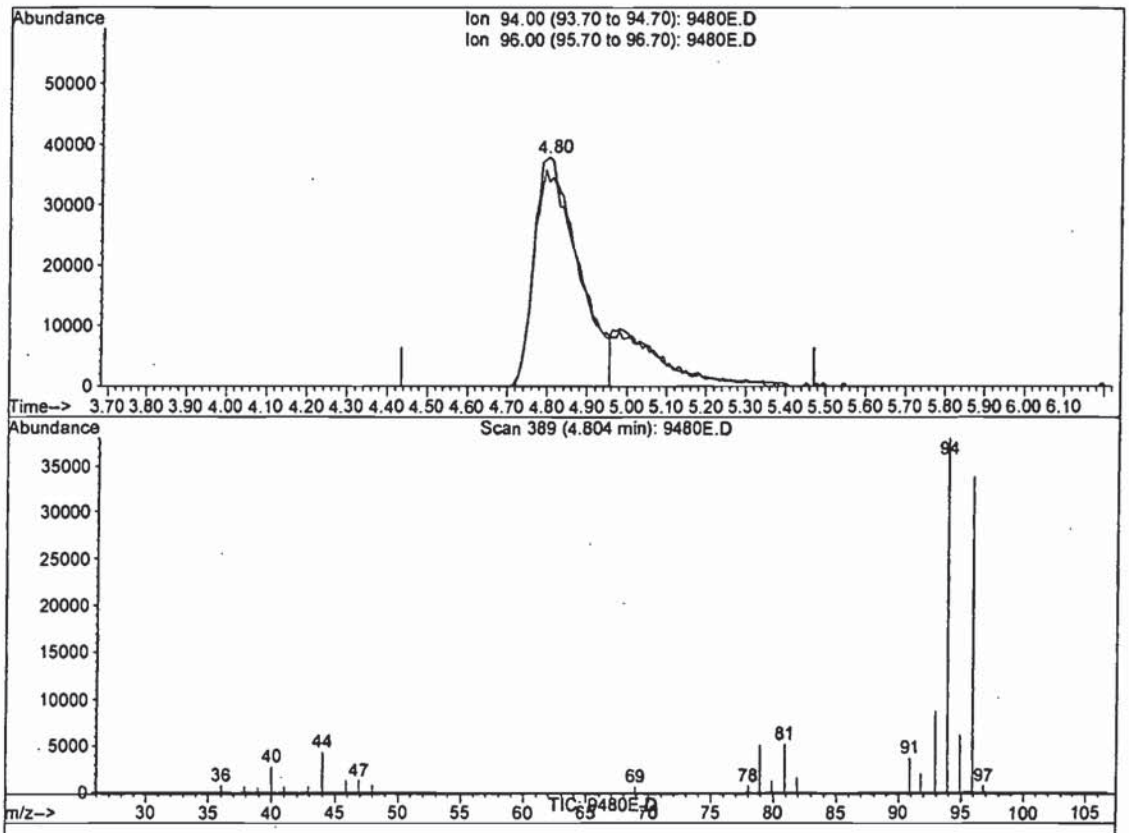
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D Vial: 1
Acq On : 4 Oct 06 5:28 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/4/06 Multiplr: 1.00
Quant Time: Oct 4 5:56 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.80min 30.56UG/L

response 293098

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	94.65
0.00	0.00	0.00
0.00	0.00	0.00

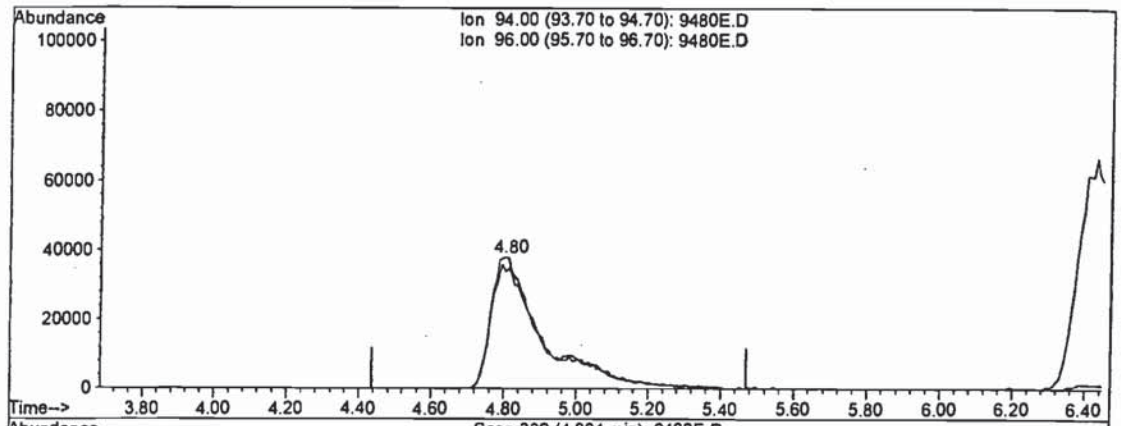
9480E.D 8260E1.M Wed Oct 04 05:57:27 2006

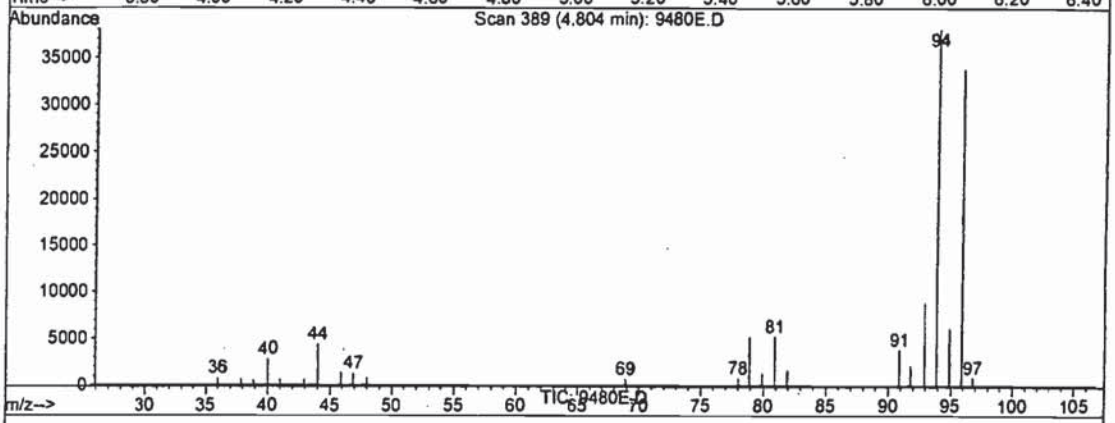
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9480E.D
Acq On : 4 Oct 06 5:28
Sample : VSTD050
Misc : CALIBRATION CHECK 10/4/06
Quant Time: Oct 4 5:57 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(5) Bromomethane

4.80min 42.69UG/L m

response 377049

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	73.58#
0.00	0.00	0.00
0.00	0.00	0.00

9480E.D 8260E1.M Wed Oct 04 05:57:35 2006

R510458 Heritage Environmental Services, LLC Q1892356

QC Report

QCType CCVD Duplicate SampleID DataFile 9630E.D
Date Entered 19Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 17Oct06 07:02:00 Method Matrix Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.2229			56.1
236	CHLOROMETHANE	0.4146		0.3032			26.9
768	VINYL CHLORIDE	0.3860		0.3222			16.5
198	BROMOMETHANE	50.0		36.5	QDR		27
234	CHLOROETHANE	0.2004		0.1337			33.3
372	TRICHLOROFLUOROMETHANE	0.5591		0.5419			3.1
105	ACROLEIN	0.0107		0.0105			1.9
305	DIETHYL ETHER	0.2396		0.2685			12.1
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.6669			6.8
99	ACETONE (2-PROPANONE)	0.1311		0.1517			15.7
8	1,1-DICHLOROETHENE	0.3227		0.3486			8
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		55.9	QDR		11.8
106	ACRYLONITRILE	0.0926		0.2122			129.2
216	CARBON DISULFIDE	50.0		52.8	QDR		5.6
767	VINYL ACETATE	0.3073		0.3453			12.4
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.3940			9.5
7	1,1-DICHLOROETHANE	0.8247		0.8553			3.7
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8358			16.7
860	DI-ISOPROPYL ETHER (IPE)	1.9844		2.1209			6.9
52	2-BUTANONE	0.8481		0.9468			11.6
348	ETHYL ACETATE	50.0		80.2	QDR		60.4
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4143			5.6
235	CHLOROFORM	0.7814		0.7919			1.3
194	BROMOCHLOROMETHANE	0.2684		0.2842			5.9
709	TETRAHYDROFURAN	0.0787		0.0976			24
2	1,1,1-TRICHLOROETHANE	0.5757		0.5849			1.6
422	IODOMETHANE	0.8811		0.9129			3.6
10	1,1-DICHLOROPROPENE	0.5823		0.6037			3.7
217	CARBON TETRACHLORIDE	0.5269		0.5265			.1
21	1,2-DICHLOROETHANE	0.5401		0.5214			3.5
1525	2-BUTANOL	0.0156		0.0207			32.7
151	BENZENE	0.9084		0.9437			3.9
517	N-BUTANOL	0.0077		0.0101			31.2
750	TRICHLOROETHENE	0.4167		0.4535			8.8
23	1,2-DICHLOROPROPANE	0.5518		0.5442			1.4
299	DICHLOROBROMOMETHANE	0.8323		0.8549			2.7
296	DIBROMOMETHANE	0.4550		0.4773			4.9
91	4-METHYL-2-PENTANONE	0.6883		0.7551			9.7
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7071			5.3
724	TOLUENE	0.9845		1.0441			6.1
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5711			8.9
4	1,1,2-TRICHLOROETHANE	0.3808		0.4232			11.1
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6438			11.3
60	2-HEXANONE	0.6826		0.6974			2.2

RD 10/19/06

R510458 Heritage Environmental Services, LLC Q1892356

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.8216			7.3
703	TETRACHLOROETHENE	0.7086		0.7132			.6
295	DIBROMOCHLOROMETHANE	0.9057		0.8677			4.2
231	CHLOROBENZENE	1.0074		0.9624			4.5
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5388			5.3
349	ETHYL BENZENE	0.4280		0.4102			4.2
492	M/P-XYLENE	0.4912		0.4781			2.7
549	O-XYLENE	0.4976		0.4833			2.9
680	STYRENE	0.8176		0.8239			.8
197	BROMOFORM	0.7927		0.7966			.5
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.2628			2.5
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.6917			1.1
193	BROMOBENZENE	2.7665		2.5718			7
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3391			.3
532	N-PROPYLBENZENE	0.3642		0.3621			.6
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.7244			1.8
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.6567			3.7
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.6533			2.8
702	TERT-BUTYLBENZENE	1.9118		1.9170			.3
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.7086			4.4
644	SEC-BUTYLBENZENE	2.7285		2.7283			0
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.7095			4.1
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.3458			2.9
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.4122			3.6
519	N-BUTYLBENZENE	1.0969		1.1558			5.4
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.3555			.8
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4586			8.6
16	1,2,4-TRICHLOROBENZENE	0.7389		0.9620			30.2
493	NAPHTHALENE	1.1332		1.4402			27.1
398	HEXACHLOROBUTADIENE	0.8337		0.9396			12.7
13	1,2,3-TRICHLOROBENZENE	0.6814		0.8985			31.9
54	2-CHLOROETHYLVINYLETHER	0.2760		0.3122			13.1
301	DICHLOROETHANE-D4	0.4057		0.3873			4.5
726	TOLUENE-D8	0.8893		0.9254			4.1
3362	DIBROMOFLUOROMETHANE	0.6387		0.6508			1.9
196	4-BROMOFLUOROBENZENE	0.7304		0.8411			15.2

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (UG/KG MG/KG).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 7:32 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1675561	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.53	117	1334541	50.00 UG/L	0.07
63) 1,4-Dichlorobenzene-d4	22.61	152	748329	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.23	65	649003	47.74 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery	= 95.48%#	
44) Toluene-d8	15.35	98	1550645	52.04 UG/L	0.08
Spiked Amount 50.000	Range 44 - 55		Recovery	= 104.08%#	
47) Dibromofluoromethane	10.55	113	1090532	50.95 UG/L	0.08
Spiked Amount 50.000			Recovery	= 101.90%	
50) 4-Bromofluorobenzene	20.72	95	1409370	57.58 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery	= 115.16%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.70	85	373529	21.93 UG/L	100
3) Chloromethane	4.10	50	507947	36.56 UG/L	100
4) VINYL CHLORIDE	4.26	62	539796	41.73 UG/L	99
5) Bromomethane	4.82	94	325729m	36.48 UG/L	100
6) Chloroethane	5.00	64	224034	33.37 UG/L	98
7) Trichlorofluoromethane	5.51	101	908051	48.47 UG/L	100
8) Acrolein	7.82	56	87786	243.97 UG/L	100
9) Diethyl Ether	6.03	59	449916	56.04 UG/L	100
10) Trichlorotrifluoroethane	6.43	101	1117381	53.41 UG/L #	100
11) Acetone	6.58	43	254126m	57.83 UG/L	93
12) 1,1-DICHLOROETHENE	6.45	96	584150	54.02 UG/L	100
13) Methylene Chloride	7.32	84	768114	55.89 UG/L	81
14) Acrylonitrile	7.77	53	1777667	573.04 UG/L	100
15) Carbon Disulfide	6.87	76	1945173	52.77 UG/L	99
16) Vinyl Acetate	7.81	43	578545	56.18 UG/L	100
17) trans-1,2-Dichloroethene	7.80	96	660146	54.75 UG/L #	70
18) 1,1-Dichloroethane	8.57	63	1433165	51.86 UG/L	100
19) Methyl-t-butyl Ether	7.82	73	1400459	58.38 UG/L	100
20) Diispropyl Ether	8.68	45	3553681	53.44 UG/L	100
21) 2-Butanone	9.75	43	1586434	55.82 UG/L #	59
22) Ethyl Acetate	9.76	88	36495	80.15 UG/L #	100
23) cis-1,2-Dichloroethene	9.64	96	694238	52.81 UG/L #	43

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 7:32 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.23	83	1326810	50.67 UG/L	97
25) Bromochloromethane	10.11	128	476119	52.93 UG/L	78
26) 2,2-Dichloropropane	9.65	77	919643	52.10 UG/L #	100
27) Tetrahydrofuran	10.21	42	817816	310.13 UG/L	100
28) 1,1,1-Trichloroethane	10.62	97	980053	50.80 UG/L #	100
29) Iodomethane	6.75	142	1529703	51.80 UG/L	100
30) 1,1-Dichloropropene	10.94	75	1011618	51.84 UG/L #	100
32) Carbon Tetrachloride	10.95	117	882139	49.96 UG/L	94
33) 1,2-Dichloroethane	11.38	62	873613	48.27 UG/L #	100
34) Isobutanol	11.14	43	5737869	11010.41 UG/L	100
35) Benzene	11.37	78	1581192	51.94 UG/L	100
36) N-Butanol	12.49	43	2062725	7971.99 UG/L	100
37) Trichloroethene	12.66	130	759830	54.41 UG/L	98
38) 1,2-DICHLOROPROPANE	13.15	63	911923	49.31 UG/L	100
39) Bromodichloromethane	13.73	83	1432487	51.36 UG/L	100
40) Dibromomethane	13.41	93	799710	52.45 UG/L	99
41) 2-Chloroethylvinylether	14.37	63	523131	56.56 UG/L #	100
42) 4-Methyl-2-Pentanone	15.07	43	1265227	54.85 UG/L	92
43) cis-1,3-Dichloropropene	14.71	75	1184746	52.67 UG/L	100
45) TOLUENE	15.51	91	1749498	53.03 UG/L	100
46) trans-1,3-Dichloropropene	16.00	75	956891	54.46 UG/L	100
48) 1,1,2-Trichloroethane	16.45	97	709150	55.58 UG/L	100
49) 1,2-Dibromoethane	17.59	107	1078751	55.67 UG/L #	100
52) 2-Hexanone	17.00	43	930686	51.08 UG/L #	89
53) 1,3-Dichloropropane	16.83	76	1096522	46.36 UG/L	100
54) Tetrachloroethene	16.78	166	951804	50.33 UG/L	97
55) Dibromochloromethane	17.33	129	1158004	47.90 UG/L	100
56) Chlorobenzene	18.59	112	1284395	47.77 UG/L	96
57) 1,1,1,2-Tetrachloroethane	18.75	131	719021	47.36 UG/L	100
58) ETHYL BENZENE	18.80	106	547372	47.92 UG/L	92
59) m,p-Xylene	19.04	106	1276121	97.34 UG/L	77
60) o-Xylene	19.78	106	645024	48.57 UG/L	82
61) Styrene	19.81	104	1099568	50.39 UG/L #	46
62) Bromoform	20.15	173	1063161	50.25 UG/L	100
64) Isopropylbenzene	20.44	105	1693340	48.74 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.95	83	1265915	49.47 UG/L #	100
66) Bromobenzene	20.98	77	1924548	46.48 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 7:32 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,3-Trichloropropane	21.03	110	253729	50.13 UG/L	100
68)	n-Propylbenzene	21.14	92	270966	49.71 UG/L	85
69)	1,3,5-Trimethylbenzene	21.43	105	1290422	50.89 UG/L	100
70)	2-Chlorotoluene	21.30	126	491453	48.15 UG/L	100
71)	4-Chlorotoluene	21.49	126	488908	51.42 UG/L	100
72)	t-Butylbenzene	21.97	119	1434520	50.13 UG/L	100
73)	1,2,4-Trimethylbenzene	22.04	105	1278596	52.18 UG/L	100
74)	sec-Butylbenzene	22.31	105	2041677	50.00 UG/L	100
75)	p-Isopropyltoluene	22.53	119	1279235	52.06 UG/L	100
76)	1,3-Dichlorobenzene	22.50	146	1007069	51.46 UG/L	100
77)	1,4-Dichlorobenzene	22.64	146	1056792	51.79 UG/L	100
78)	n-Butylbenzene	23.15	92	864892	52.68 UG/L	94
79)	1,2-Dichlorobenzene	23.21	146	1014339	50.41 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.45	157	343185	54.31 UG/L	100
81)	1,2,4-Trichlorobenzene	25.91	180	719886	65.09 UG/L	100
82)	Naphthalene	26.40	128	1077778	63.55 UG/L	100
83)	Hexachlorobutadiene	26.20	225	703099	56.35 UG/L	100
84)	1,2,3-Trichlorobenzene	26.89	180	672386	65.94 UG/L	100

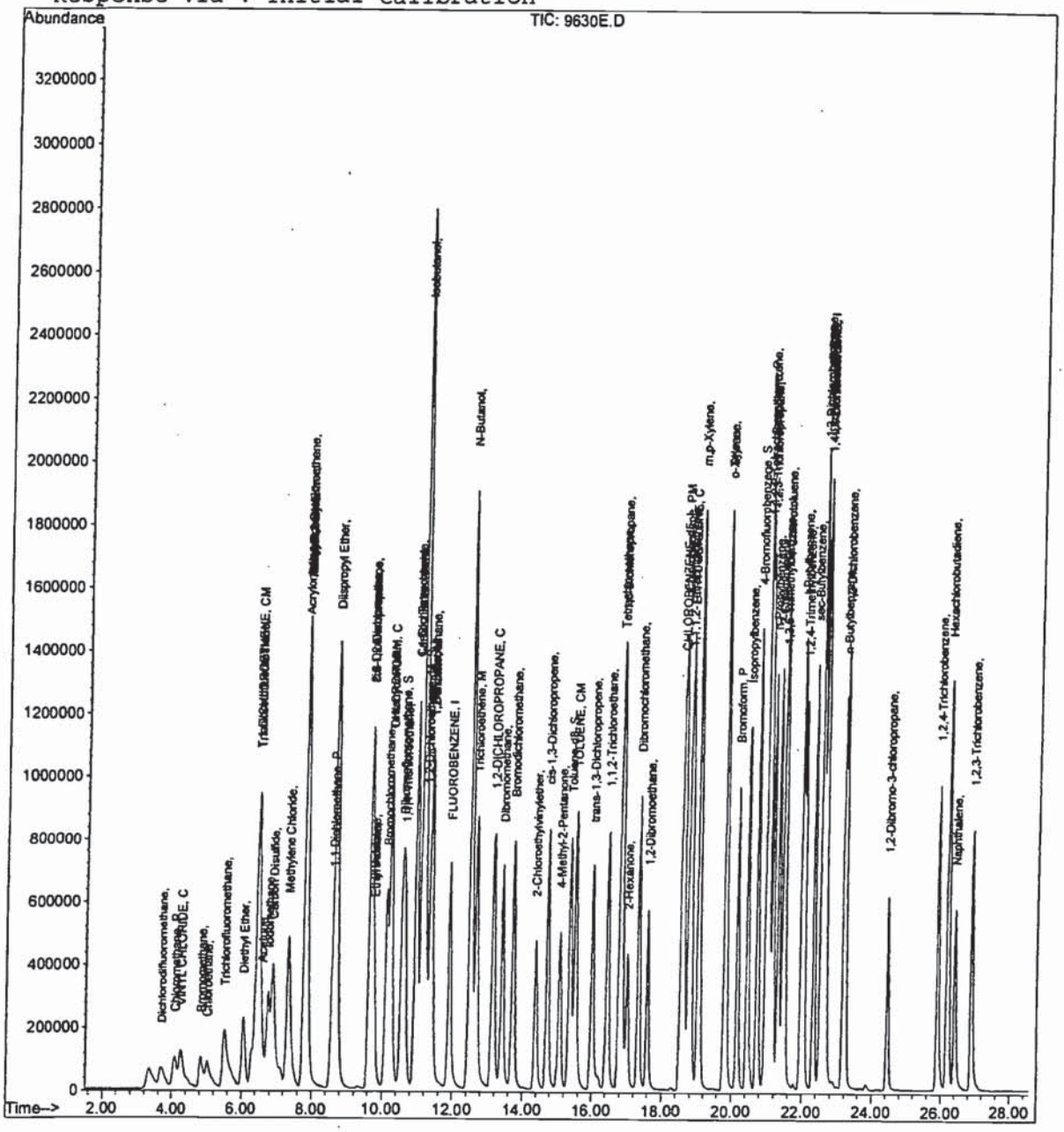
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 7:32 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

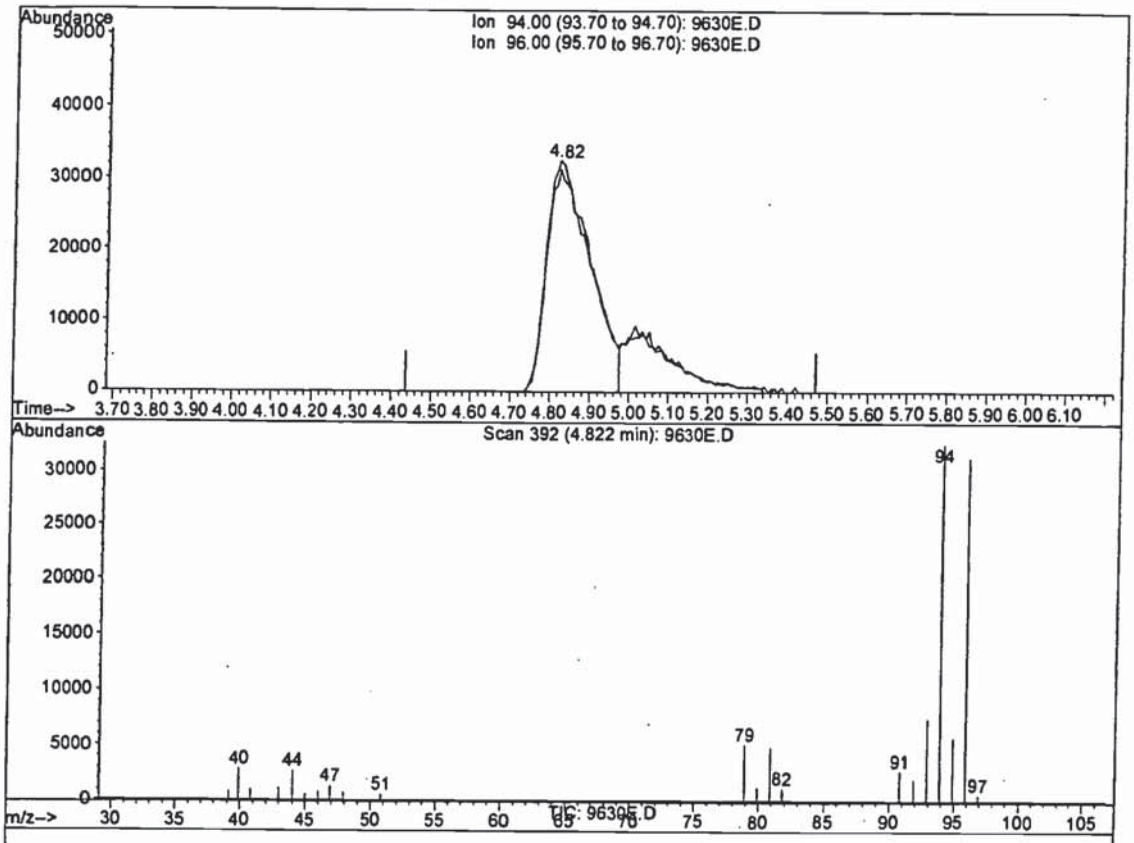


Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
Quant Time: Oct 17 7:30 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.82min 25.88UG/L

response 248338

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	96.98
0.00	0.00	0.00
0.00	0.00	0.00

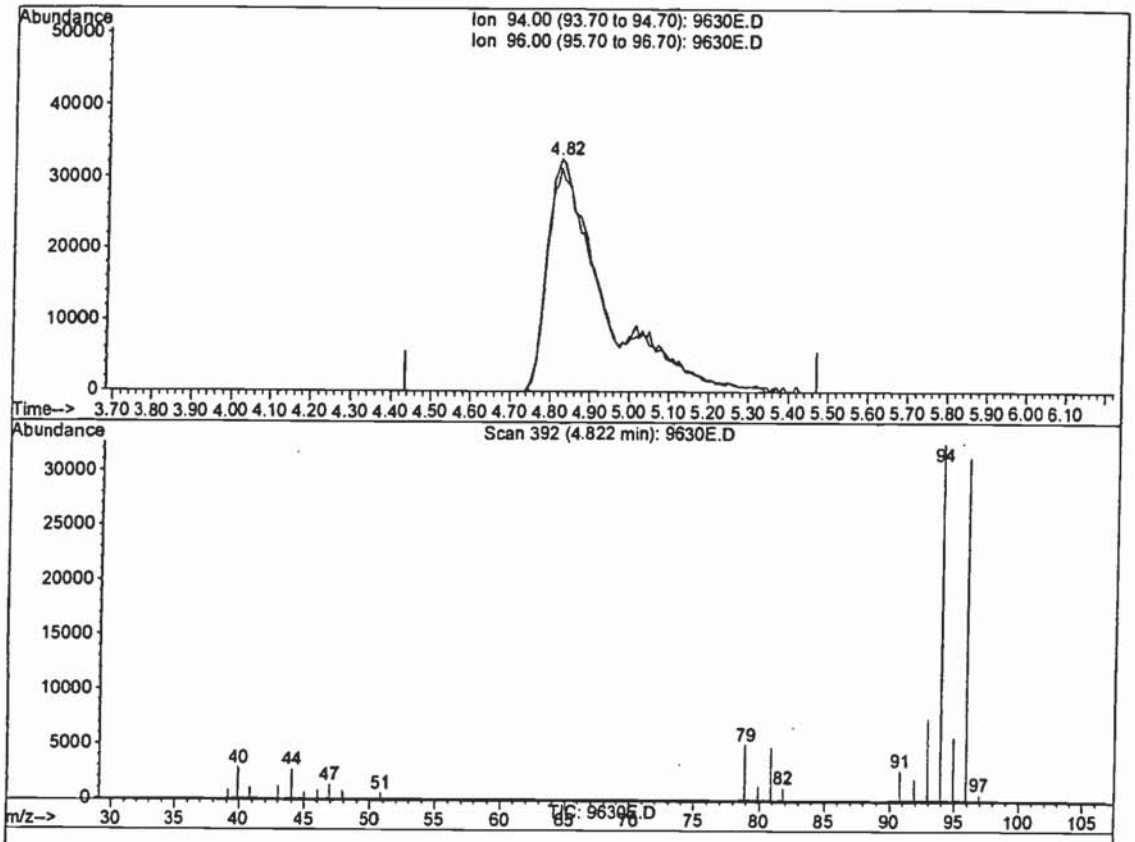
9630E.D 8260E1.M Tue Oct 17 07:31:48 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9630E.D
Acq On : 17 Oct 06 7:02
Sample : VSTD050
Misc : CALIBRATION CHECK 10/17/06
Quant Time: Oct 17 7:31 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.82min 36.48UG/L m

response 325729

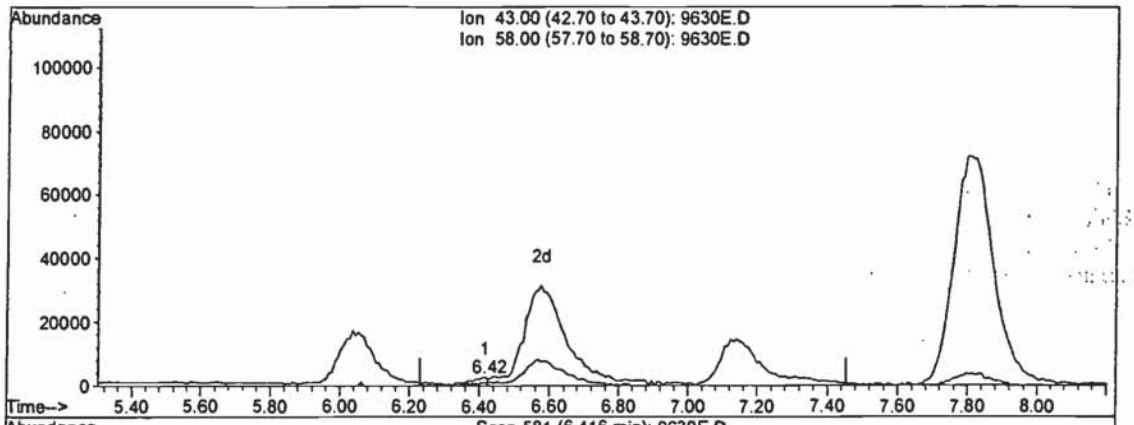
Ion	Exp%	Act%
94.00	100	100
96.00	96.80	73.94#
0.00	0.00	0.00
0.00	0.00	0.00

9630E.D 8260E1.M Tue Oct 17 07:31:53 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9630E.D Vial: 12
Acq On : 17 Oct 06 7:02 Operator: REGI
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/17/06 Multiplr: 1.00
Quant Time: Oct 17 7:31 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.42min 2.21UG/L

response 9713

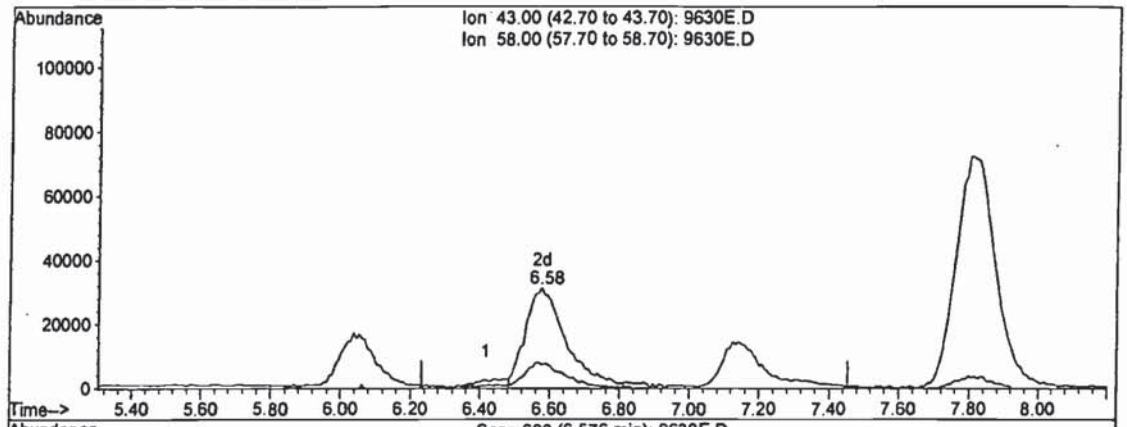
Ion	Exp%	Act%
43.00	100	100
58.00	30.50	26.86
0.00	0.00	0.00
0.00	0.00	0.00

9630E.D 8260E1.M Tue Oct 17 07:32:00 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9630E.D Vial: 12
Acq On : 17 Oct 06 7:02 Operator: REGI
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/17/06 Multiplr: 1.00
Quant Time: Oct 17 7:32 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.58min 57.83UG/L m

response 254126

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	1.03#
0.00	0.00	0.00
0.00	0.00	0.00

9630E.D 8260E1.M Tue Oct 17 07:32:05 2006

Continuing Calibration Report

Data File : C:\HPCHEM\DATA\E101706\9631E.D
Acq On : 17 Oct 06 7:52
Sample : APPDX IX STD
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p

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

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

cal 5 = 8518E.D cal 20 = 8520E.D cal 50 = 8521E.D
cal100 = 8731E.D cal -1 =

		Compound	AvgRF	CCRF	%Dev
1	I	FLUOROBENZENE	1.00000	1.00000	0.0
2		Allyl Chloride	11.99387	12.16537	1.4
3		Acetonitrile	0.09000	0.09543	6.0
4		Chloroprene	0.16095	0.00000	100.0#
5		Ethyl Cyanide	0.39194	0.44147	12.6
6		Methacrylonitrile	0.94119	0.76240	19.0
7		1,4-Dioxane	0.07731	0.07365	4.7
8		Methyl Methacrylate	6.60053	6.38577	3.3
9	I	CHLOROBENZENE-d5	1.00000	1.00000	0.0
10		Ethyl Methacrylate	7.30232	6.39668	12.4
11	I	1,4-Dichlorobenzene-d4	1.00000	1.00000	0.0
12		trans-1,4-Dichloro-2-butene	1.87829	1.79991	4.2

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

8521E.D APPIXX.M Tue Oct 17 08:23:32 2006
Average RPD= 18.18

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9631E.D
Acq On : 17 Oct 06 7:52
Sample : APPDX IX STD
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 8:23 2006

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

Quant Results File: APPIXX.RES

Quant Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1503443	50.00 UG/L	0.05
9) CHLOROBENZENE-d5	18.55	117	1341038	50.00 UG/L	0.04
11) 1,4-Dichlorobenzene-d4	22.62	152	852716	50.00 UG/L	0.04

System Monitoring Compounds

Target Compounds					Qvalue
2) Allyl Chloride	7.10	41	18289936	50.71 UG/L	100
3) Acetonitrile	7.10	40	4304400	1503.73 UG/L #	100
5) Ethyl Cyanide	9.90	54	6637219	563.18 UG/L #	100
6) Methacrylonitrile	10.17	67	11462310	489.24 UG/L #	100
7) 1,4-Dioxane	13.48	88	1550229	666.86 UG/L	100
8) Methyl Methacrylate	16.21	41	9600636	48.37 UG/L	100
10) Ethyl Methacrylate	16.21	69	8578196	49.88 UG/L	100
12) trans-1,4-Dichloro-2-buten	20.57	53	3069632	107.26 UG/L #	100

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

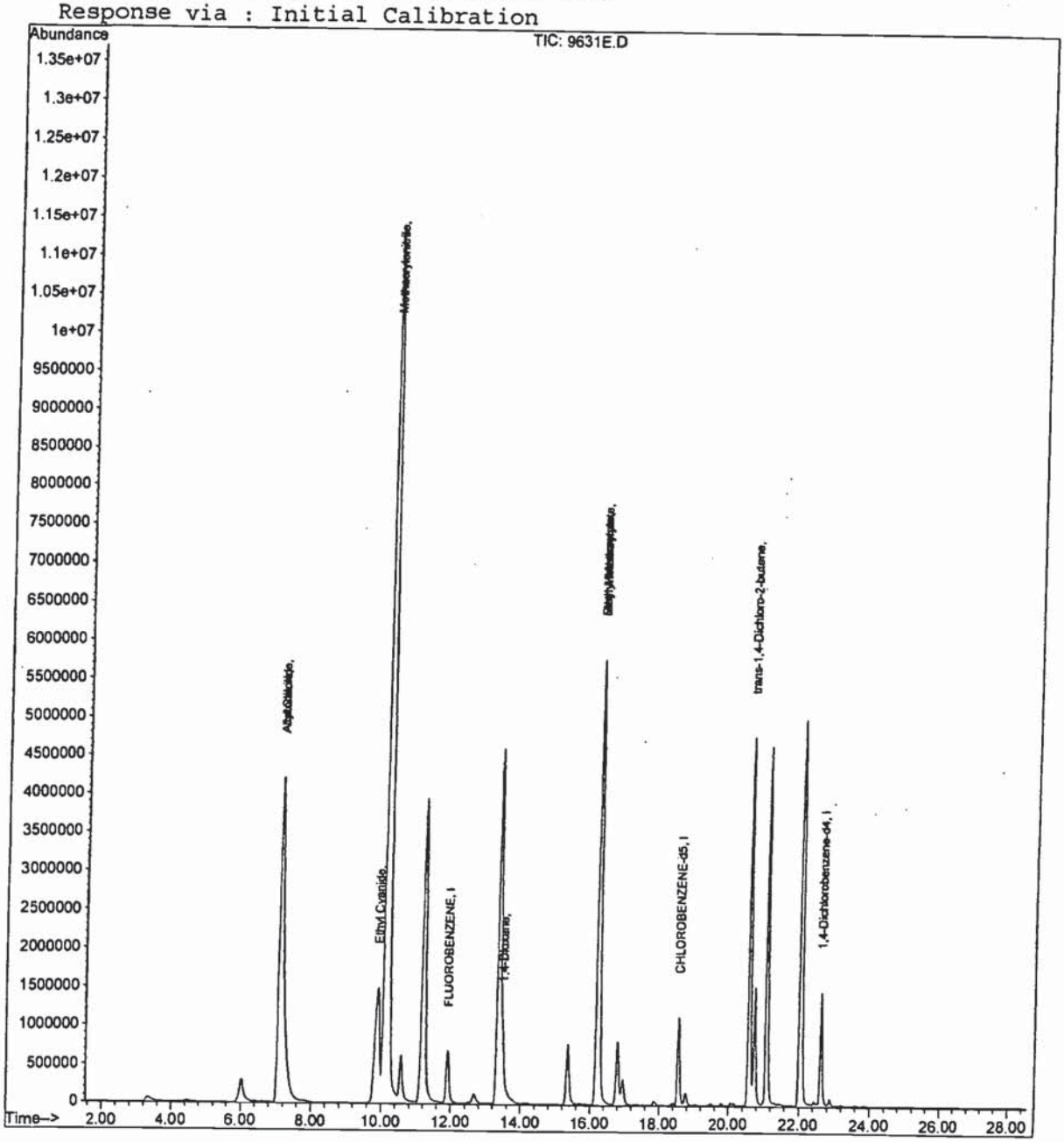
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9631E.D
Acq On : 17 Oct 06 7:52
Sample : APPDX IX STD
Misc : CALIBRATION CHECK 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 8:23 2006

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

Quant Results File: APPIXX.RES

Method : C:\HPCHEM\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Jul 18 07:21:35 2006
Response via : Initial Calibration



R510493 Heritage Environmental Services, LLC Q1892559

QC Report

QCType CCVD
Date Entered 20Oct06
Analysis Date/Time 19Oct06 07:11:00

Duplicate SampleID
Duplicate QCSampleID
Method Matrix

DataFile 9651E.D
Analyst 1365 H. WILLIAMS
Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.1943			61.8
236	CHLOROMETHANE	0.4146		0.2823			31.9
768	VINYL CHLORIDE	0.3860		0.3102			19.6
198	BROMOMETHANE	50.0		36.9	QDR		26.2
234	CHLOROETHANE	0.2004		0.1834			8.5
372	TRICHLOROFLUOROMETHANE	0.5591		0.5659			1.2
105	ACROLEIN	0.0107		0.0103			3.7
305	DIETHYL ETHER	0.2396		0.2652			10.7
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.7007			12.2
99	ACETONE (2-PROPANONE)	0.1311		0.1178			10.1
8	1,1-DICHLOROETHENE	0.3227		0.3513			8.9
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		55.3	QDR		10.6
106	ACRYLONITRILE	0.0926		0.2104			127.2
216	CARBON DISULFIDE	50.0		52.9	QDR		5.8
767	VINYL ACETATE	0.3073		0.3387			10.2
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.4052			12.6
7	1,1-DICHLOROETHANE	0.8247		0.8759			6.2
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8007			11.8
860	DI-ISOPROPYL ETHER (IPE)	1.9844		2.1092			6.3
52	2-BUTANONE	0.8481		0.9030			6.5
348	ETHYL ACETATE	50.0		58.5	QDR		17
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4504			14.8
235	CHLOROFORM	0.7814		0.8638			10.5
194	BROMOCHLOROMETHANE	0.2684		0.3079			14.7
709	TETRAHYDROFURAN	0.0787		0.0832			5.7
2	1,1,1-TRICHLOROETHANE	0.5757		0.6412			11.4
422	IODOMETHANE	0.8811		0.9234			4.8
10	1,1-DICHLOROPROPENE	0.5823		0.6493			11.5
217	CARBON TETRACHLORIDE	0.5269		0.5888			11.7
21	1,2-DICHLOROETHANE	0.5401		0.5628			4.2
1525	2-BUTANOL	0.0156		0.0187			19.9
151	BENZENE	0.9084		1.0174			12
517	N-BUTANOL	0.0077		0.0090			16.9
750	TRICHLOROETHENE	0.4167		0.5013			20.3
23	1,2-DICHLOROPROPANE	0.5518		0.5918			7.2
299	DICHLOROBROMOMETHANE	0.8323		0.9428			13.3
296	DIBROMOMETHANE	0.4550		0.5098			12
91	4-METHYL-2-PENTANONE	0.6883		0.7288			5.9
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7661			14.1
724	TOLUENE	0.9845		1.1325			15
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.6082			16
4	1,1,2-TRICHLOROETHANE	0.3808		0.4423			16.2
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6798			17.6
60	2-HEXANONE	0.6826		0.7052			3.3

10/20/06

R510493 Heritage Environmental Services, LLC Q1892559

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.9251			4.4
703	TETRACHLOROETHENE	0.7086		0.8437			19.1
295	DIBROMOCHLOROMETHANE	0.9057		0.9839			8.6
231	CHLOROBENZENE	1.0074		1.1237			11.5
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.6242			9.7
349	ETHYL BENZENE	0.4280		0.4821			12.6
492	M/P-XYLENE	0.4912		0.5626			14.5
549	O-XYLENE	0.4976		0.5654			13.6
680	STYRENE	0.8176		0.9488			16
197	BROMOFORM	0.7927		0.8917			12.5
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.6309			13.3
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.8622			8.9
193	BROMOBENZENE	2.7665		3.0151			9
14	1,2,3-TRICHLOROPROPANE	0.3382		0.3775			11.6
532	N-PROPYLBENZENE	0.3642		0.4172			14.6
25	1,3,5-TRIMETHYLBENZENE	1.6943		2.0016			18.1
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.7911			16
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.7431			17
702	TERT-BUTYLBENZENE	1.9118		2.2378			17.1
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.9955			21.9
644	SEC-BUTYLBENZENE	2.7285		3.1606			15.8
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.9978			21.7
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.6103			23.1
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.6786			23.1
519	N-BUTYLBENZENE	1.0969		1.3939			27.1
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.5903			18.3
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.4959			17.5
16	1,2,4-TRICHLOROBENZENE	0.7389		1.1626			57.3
493	NAPHTHALENE	1.1332		1.5388			35.8
398	HEXACHLOROBUTADIENE	0.8337		1.1081			32.9
13	1,2,3-TRICHLOROBENZENE	0.6814		1.0400			52.6
54	2-CHLOROETHYLVINYLETHER	0.2760		0.3280			18.8
301	DICHLOROETHANE-D4	0.4057		0.3959			2.4
726	TOLUENE-D8	0.8893		0.9145			2.8
3362	DIBROMOFLUOROMETHANE	0.6387		0.6549			2.5
196	4-BROMOFLUOROBENZENE	0.7304		0.8012			9.7

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (UG/KG MG/KG UG/L).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9651E.D Vial: 10
Acq On : 19 Oct 06 7:11 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/19/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 7:42 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.83	96	1691671m	50.00	UG/L	0.00
51) CHLOROBENZENE-d5	18.48	117	1261783	50.00	UG/L	0.00
63) 1,4-Dichlorobenzene-d4	22.56	152	703973	50.00	UG/L	0.00
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.17	65	669747	48.80	UG/L	0.00
Spiked Amount 50.000	Range 40 - 60		Recovery = 97.60%#			
44) Toluene-d8	15.27	98	1547015	51.42	UG/L	0.00
Spiked Amount 50.000	Range 44 - 55		Recovery = 102.84%#			
47) Dibromofluoromethane	10.48	113	1107803	51.26	UG/L	0.02
Spiked Amount 50.000			Recovery = 102.52%			
50) 4-Bromofluorobenzene	20.66	95	1355328	54.85	UG/L	0.00
Spiked Amount 50.000	Range 43 - 58		Recovery = 109.70%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	328634	19.11	UG/L	100
3) Chloromethane	4.05	50	477605	34.04	UG/L	100
4) VINYL CHLORIDE	4.22	62	524722	40.18	UG/L	98
5) Bromomethane	4.78	94	331660m	36.90	UG/L	100
6) Chloroethane	4.98	64	310262	45.77	UG/L #	82
7) Trichlorofluoromethane	5.46	101	957311	50.61	UG/L	99
8) Acrolein	7.77	56	87036	239.59	UG/L	100
9) Diethyl Ether	5.99	59	448571	55.34	UG/L	100
10) Trichlorotrifluoroethane	6.39	101	1185337	56.12	UG/L #	100
11) Acetone	6.52	43	199225	44.90	UG/L	93
12) 1,1-DICHLOROETHENE	6.41	96	594245	54.43	UG/L	100
13) Methylene Chloride	7.27	84	768389	55.31	UG/L	81
14) Acrylonitrile	7.72	53	1779346	568.12	UG/L	100
15) Carbon Disulfide	6.82	76	1968187	52.89	UG/L	98
16) Vinyl Acetate	7.75	43	572937	55.10	UG/L	100
17) trans-1,2-Dichloroethene	7.75	96	685462	56.31	UG/L #	71
18) 1,1-Dichloroethane	8.52	63	1481733	53.10	UG/L	100
19) Methyl-t-butyl Ether	7.76	73	1354589	55.93	UG/L	100
20) Diispropyl Ether	8.62	45	3568069	53.14	UG/L	100
21) 2-Butanone	9.69	43	1527638	53.24	UG/L #	59
22) Ethyl Acetate	9.69	88	27242m	58.50	UG/L	100
23) cis-1,2-Dichloroethene	9.59	96	761964	57.41	UG/L #	42

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9651E.D
Acq On : 19 Oct 06 7:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/19/06
MS Integration Params: rteint.p
Quant Time: Oct 19 7:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24)	CHLOROFORM	10.18	83	1461257	55.28 UG/L		97
25)	Bromochloromethane	10.05	128	520827	57.35 UG/L		80
26)	2,2-Dichloropropane	9.60	77	1025825	57.56 UG/L	#	100
27)	Tetrahydrofuran	10.15	42	703588	264.27 UG/L		100
28)	1,1,1-Trichloroethane	10.56	97	1084672	55.69 UG/L	#	100
29)	Iodomethane	6.70	142	1562115	52.40 UG/L		100
30)	1,1-Dichloropropene	10.87	75	1098362	55.75 UG/L	#	100
32)	Carbon Tetrachloride	10.89	117	995985	55.87 UG/L		96
33)	1,2-Dichloroethane	11.32	62	952078	52.10 UG/L	#	100
34)	Isobutanol	11.08	43	5225079	9930.94 UG/L		100
35)	Benzene	11.29	78	1721162	56.00 UG/L		100
36)	N-Butanol	12.42	43	1856787	7107.75 UG/L		100
37)	Trichloroethene	12.59	130	848109	60.16 UG/L		99
38)	1,2-DICHLOROPROPANE	13.08	63	1001052	53.62 UG/L		100
39)	Bromodichloromethane	13.64	83	1594958	56.64 UG/L		99
40)	Dibromomethane	13.32	93	862442	56.03 UG/L		99
41)	2-Chloroethylvinylether	14.29	63	554895	59.43 UG/L	#	100
42)	4-Methyl-2-Pentanone	14.99	43	1232884	52.94 UG/L		92
43)	cis-1,3-Dichloropropene	14.65	75	1295954	57.07 UG/L		100
45)	TOLUENE	15.42	91	1915888	57.52 UG/L		100
46)	trans-1,3-Dichloropropene	15.92	75	1028875	58.00 UG/L		100
48)	1,1,2-Trichloroethane	16.37	97	748246	58.08 UG/L		100
49)	1,2-Dibromoethane	17.52	107	1149958	58.78 UG/L	#	100
52)	2-Hexanone	16.94	43	889820	51.66 UG/L	#	90
53)	1,3-Dichloropropane	16.76	76	1167218	52.20 UG/L		100
54)	Tetrachloroethene	16.71	166	1064623	59.54 UG/L		96
55)	Dibromochloromethane	17.26	129	1241424	54.32 UG/L		100
56)	Chlorobenzene	18.54	112	1417863	55.77 UG/L		95
57)	1,1,1,2-Tetrachloroethane	18.70	131	787662	54.87 UG/L		100
58)	ETHYL BENZENE	18.75	106	608261	56.32 UG/L		93
59)	m,p-Xylene	18.97	106	1419706	114.53 UG/L		75
60)	o-Xylene	19.72	106	713446	56.82 UG/L		83
61)	Styrene	19.75	104	1197164	58.02 UG/L	#	44
62)	Bromoform	20.10	173	1125115	56.24 UG/L		100
64)	Isopropylbenzene	20.39	105	1852089	56.67 UG/L		100
65)	1,1,2,2-Tetrachloroethane	20.91	83	1310925	54.45 UG/L	#	100
66)	Bromobenzene	20.94	77	2122573	54.49 UG/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9651E.D Vial: 10
Acq On : 19 Oct 06 7:11 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/19/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 7:42 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	20.99	110	265729	55.81 UG/L	100
68) n-Propylbenzene	21.10	92	293672	57.27 UG/L	85
69) 1,3,5-Trimethylbenzene	21.39	105	1409049	59.07 UG/L	100
70) 2-Chlorotoluene	21.25	126	556879	57.99 UG/L	100
71) 4-Chlorotoluene	21.44	126	523092	58.48 UG/L	100
72) t-Butylbenzene	21.93	119	1575366	58.53 UG/L	100
73) 1,2,4-Trimethylbenzene	22.00	105	1404771	60.94 UG/L	100
74) sec-Butylbenzene	22.27	105	2224952	57.92 UG/L	100
75) p-Isopropyltoluene	22.49	119	1406371	60.84 UG/L	100
76) 1,3-Dichlorobenzene	22.46	146	1133583	61.57 UG/L	100
77) 1,4-Dichlorobenzene	22.60	146	1181685	61.55 UG/L	100
78) n-Butylbenzene	23.11	92	981245	63.54 UG/L	97
79) 1,2-Dichlorobenzene	23.17	146	1119535	59.14 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.41	157	349131	58.73 UG/L	100
81) 1,2,4-Trichlorobenzene	25.83	180	818468	78.67 UG/L	100
82) Naphthalene	26.34	128	1083254	67.89 UG/L	100
83) Hexachlorobutadiene	26.12	225	780038	66.46 UG/L	100
84) 1,2,3-Trichlorobenzene	26.83	180	732151	76.32 UG/L	100

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

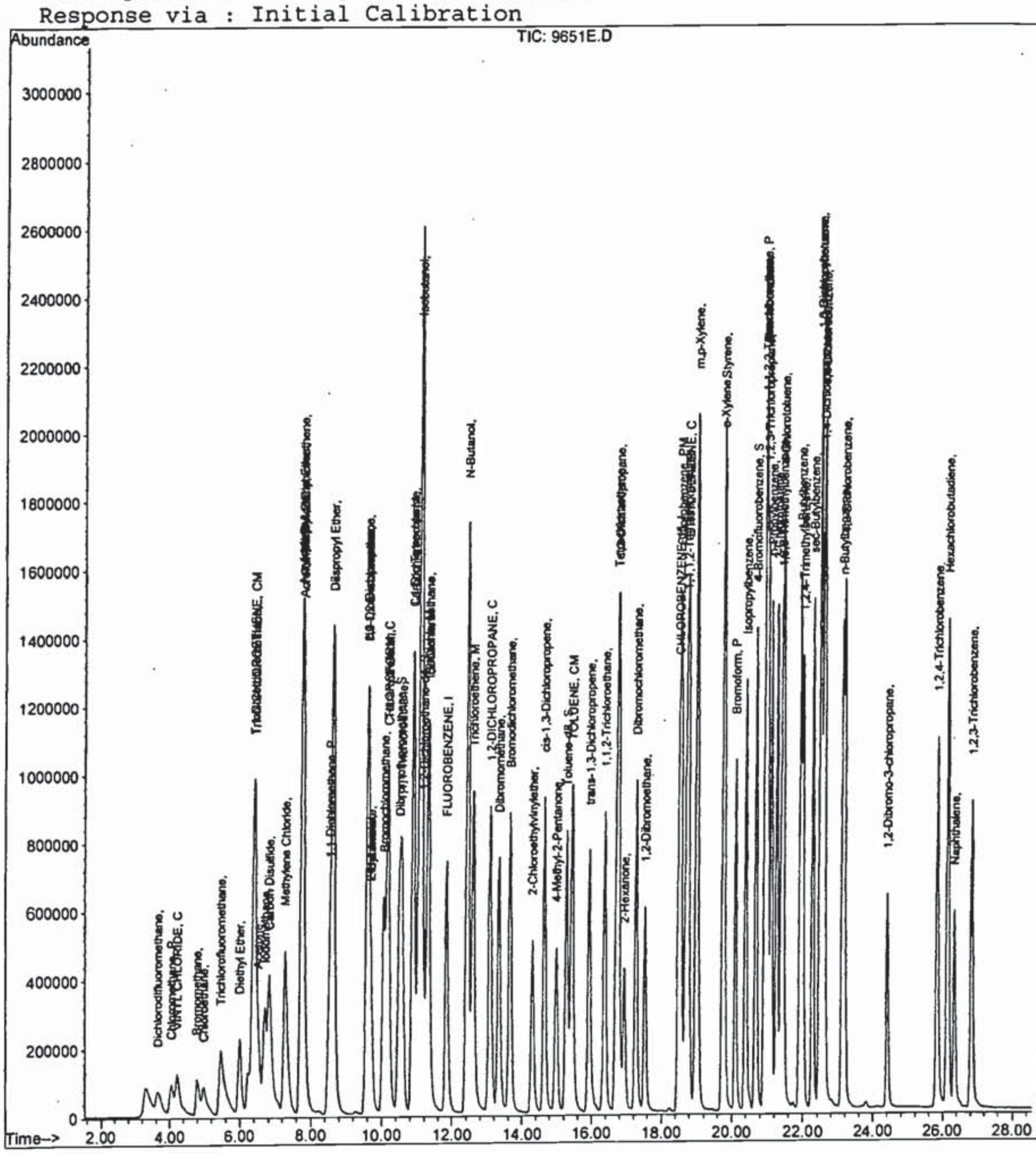
Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9651E.D
Acq On : 19 Oct 06 7:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/19/06
MS Integration Params: rteint.p
Quant Time: Oct 19 7:42 2006

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

Quant Results File: 8260E1.RES

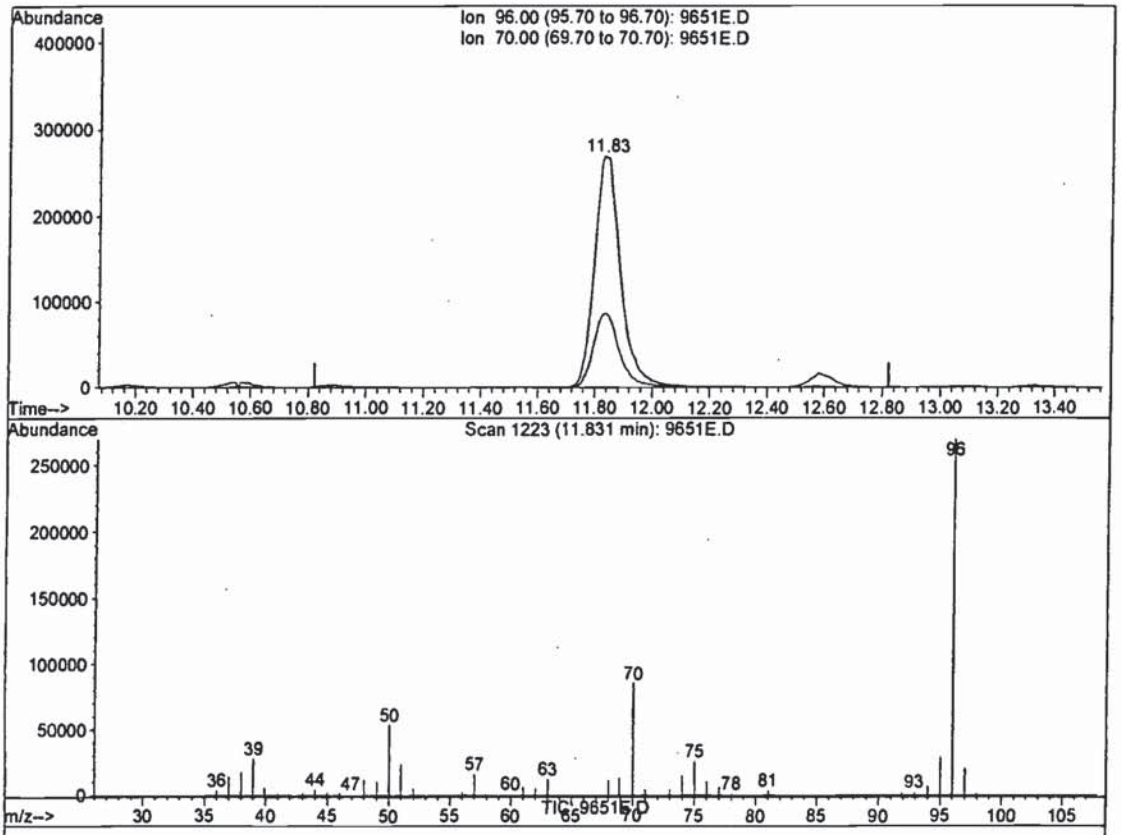
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9651E.D Vial: 10
Acq On : 19 Oct 06 7:11 Operator: HAROLD
Sample : VSTD050 Inst : GC/MS Ins
Misc : CALIBRATION CHECK 10/19/06 Multiplr: 1.00
Quant Time: Oct 19 7:41 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(1) FLUOROBENZENE (I)

11.83min 50.00UG/L

response 1710228

Ion	Exp%	Act%
96.00	100	100
70.00	0.00	31.78#
0.00	0.00	0.00
0.00	0.00	0.00

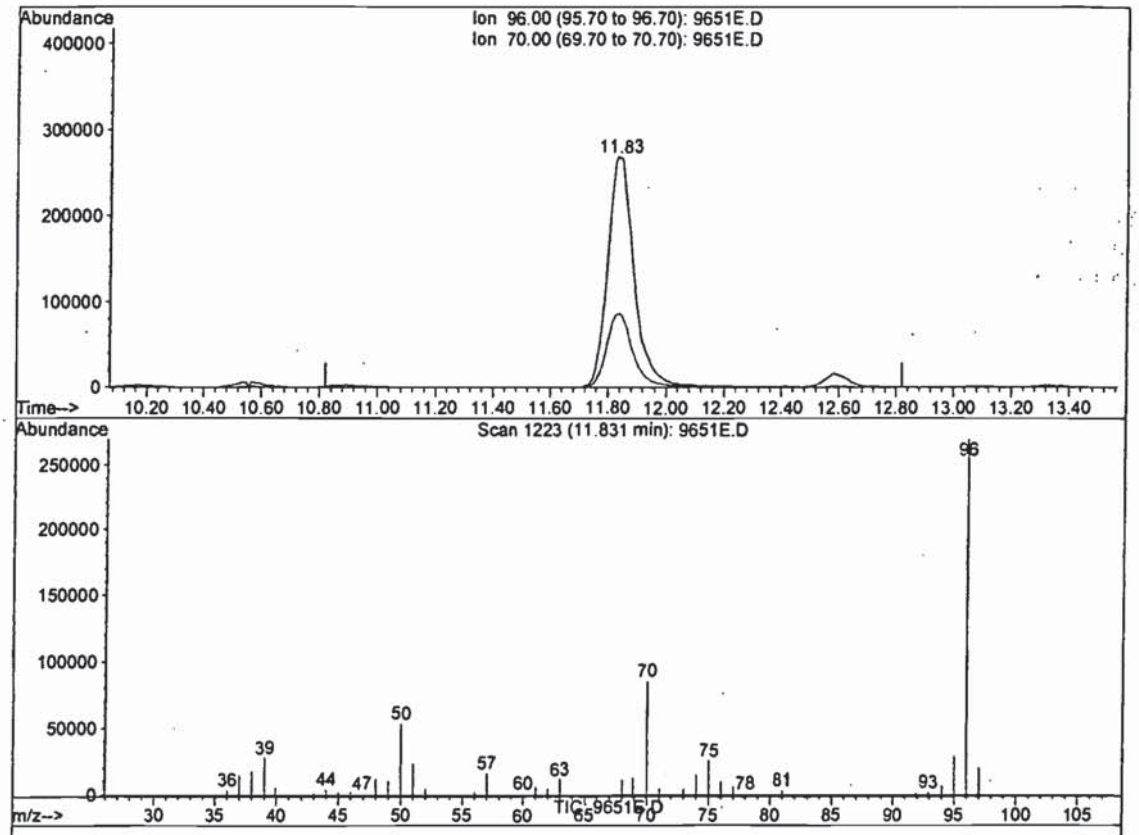
9651E.D 8260E1.M Thu Oct 19 07:42:06 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9651E.D
Acq On : 19 Oct 06 7:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/19/06
Quant Time: Oct 19 7:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(1) FLUOROBENZENE (I)

11.83min 50.00UG/L m

response 1691671

Ion	Exp%	Act%
96.00	100	100
70.00	0.00	32.13#
0.00	0.00	0.00
0.00	0.00	0.00

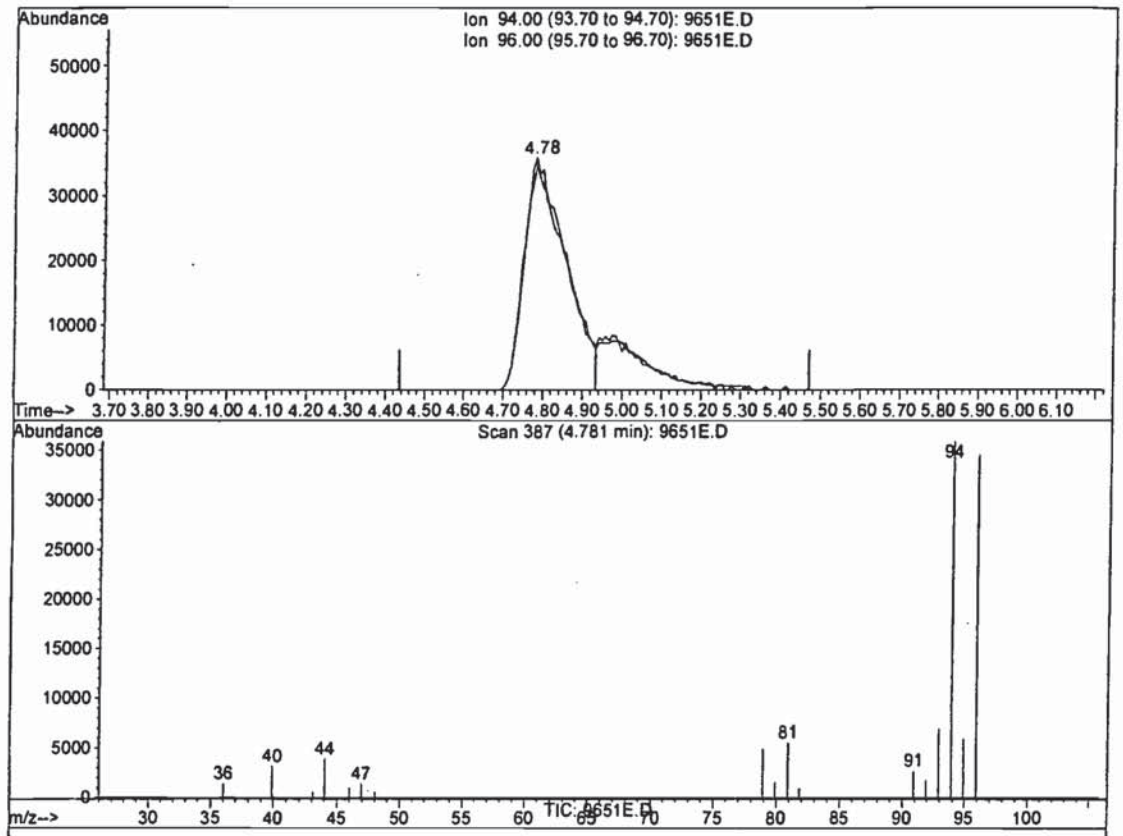
9651E.D 8260E1.M Thu Oct 19 07:42:22 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9651E.D
Acq On : 19 Oct 06 7:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/19/06
Quant Time: Oct 19 7:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.78min 27.22UG/L

response 261283

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	97.22
0.00	0.00	0.00
0.00	0.00	0.00

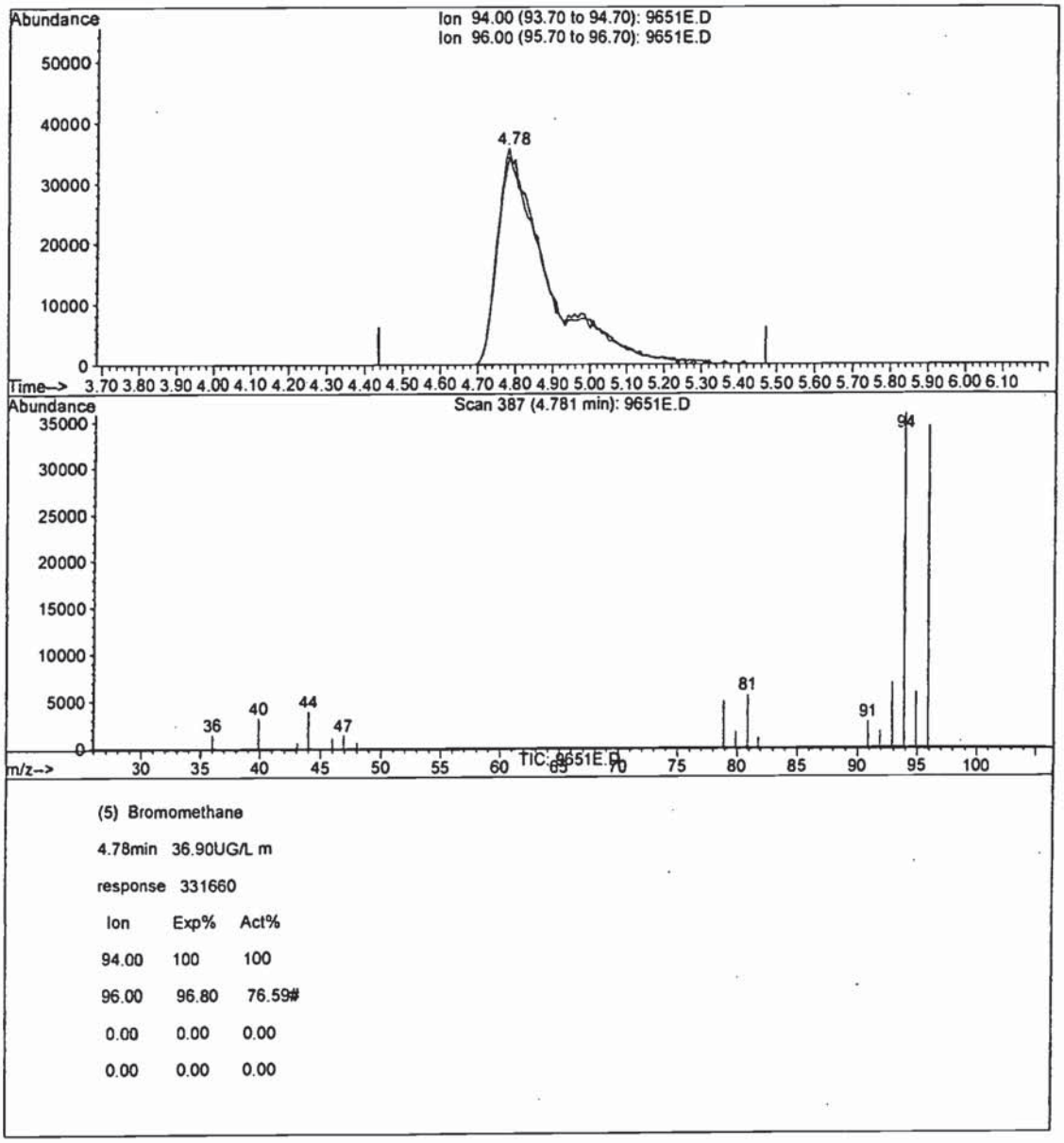
9651E.D 8260E1.M Thu Oct 19 07:42:28 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9651E.D
Acq On : 19 Oct 06 7:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/19/06
Quant Time: Oct 19 7:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(5) Bromomethane

4.78min 36.90UG/L m

response 331660

Ion	Exp%	Act%
94.00	100	100
96.00	96.80	76.59#
0.00	0.00	0.00
0.00	0.00	0.00

9651E.D 8260E1.M Thu Oct 19 07:42:33 2006

R510775 Heritage Environmental Services, LLC Q1894337

QC Report

QCType CCVD | Duplicate SampleID | DataFile 9700E.D
Date Entered 27Oct06 | Duplicate QCSampleID | Analyst 1365 H. WILLIAMS
Analysis Date/Time 26Oct06 06:11:00 | Method | Matrix | Units

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE	0.5083		0.5159			1.5
236	CHLOROMETHANE	0.4146		0.3497			15.7
768	VINYL CHLORIDE	0.3860		0.3659			5.2
198	BROMOMETHANE	50.0		54.5	QDR		9
234	CHLOROETHANE	0.2004		0.2060			2.8
372	TRICHLOROFLUOROMETHANE	0.5591		0.6463			15.6
105	ACROLEIN	0.0107		0.0116			8.4
305	DIETHYL ETHER	0.2396		0.2575			7.5
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.6243		0.7344			17.6
99	ACETONE (2-PROPANONE)	0.1311		0.1261			3.8
8	1,1-DICHLOROETHENE	0.3227		0.3760			16.5
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	50.0		53.7	QDR		7.4
106	ACRYLONITRILE	0.0926		0.0039			95.8
216	CARBON DISULFIDE	50.0		55.2	QDR		10.4
767	VINYL ACETATE	0.3073		0.3279			6.7
746	TRANS-1,2-DICHLOROETHENE	0.3598		0.4248			18.1
7	1,1-DICHLOROETHANE	0.8247		0.8595			4.2
859	METHYL-T-BUTYL ETHER (MTBE)	0.7159		0.8182			14.3
860	DI-ISOPROPYL ETHER (IPE)	1.9844		1.8738			5.6
52	2-BUTANONE	0.8481		0.8137			4.1
348	ETHYL ACETATE	50.0		56.8	QDR		13.6
246	CIS-1,2-DICHLOROETHENE	0.3923		0.4506			14.9
235	CHLOROFORM	0.7814		0.8645			10.6
194	BROMOCHLOROMETHANE	0.2684		0.3239			20.7
709	TETRAHYDROFURAN	0.0787		0.0737			6.4
2	1,1,1-TRICHLOROETHANE	0.5757		0.6689			16.2
422	IODOMETHANE	0.8811		0.9650			9.5
10	1,1-DICHLOROPROPENE	0.5823		0.6699			15
217	CARBON TETRACHLORIDE	0.5269		0.6293			19.4
21	1,2-DICHLOROETHANE	0.5401		0.5987			10.8
1525	2-BUTANOL	0.0156		0.0184			17.9
151	BENZENE	0.9084		1.0078			10.9
517	N-BUTANOL	0.0077		0.0083			7.8
750	TRICHLOROETHENE	0.4167		0.5353			28.5
23	1,2-DICHLOROPROPANE	0.5518		0.5534			.3
299	DICHLOROBROMOMETHANE	0.8323		0.9441			13.4
296	DIBROMOMETHANE	0.4550		0.5131			12.8
91	4-METHYL-2-PENTANONE	0.6883		0.6413			6.8
247	CIS-1,3-DICHLOROPROPENE	0.6712		0.7439			10.8
724	TOLUENE	0.9845		1.1423			16
747	TRANS-1,3-DICHLOROPROPENE	0.5243		0.5997			14.4
4	1,1,2-TRICHLOROETHANE	0.3808		0.4466			17.3
18	1,2-DIBROMOETHANE (EDB)	0.5783		0.6869			18.8
60	2-HEXANONE	0.6826		0.5268			22.8

RD 10/27/06

R510775 Heritage Environmental Services, LLC Q1894337

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE	0.8861		0.7905			10.8
703	TETRACHLOROETHENE	0.7086		0.7831			10.5
295	DIBROMOCHLOROMETHANE	0.9057		0.8931			1.4
231	CHLOROBENZENE	1.0074		0.9933			1.4
1	1,1,1,2-TETRACHLOROETHANE	0.5688		0.5649			.7
349	ETHYL BENZENE	0.4280		0.4171			2.5
492	M/P-XYLENE	0.4912		0.4942			.6
549	O-XYLENE	0.4976		0.5050			1.5
680	STYRENE	0.8176		0.8311			1.7
197	BROMOFORM	0.7927		0.8417			6.2
432	ISOPROPYLBENZENE (CUMENE)	2.3211		2.0713			10.8
3	1,1,2,2-TETRACHLOROETHANE	1.7099		1.4014			18
193	BROMOBENZENE	2.7665		2.3073			16.6
14	1,2,3-TRICHLOROPROPANE	0.3382		0.2994			11.5
532	N-PROPYLBENZENE	0.3642		0.3340			8.3
25	1,3,5-TRIMETHYLBENZENE	1.6943		1.5958			5.8
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0.6820		0.6177			9.4
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0.6353		0.5929			6.7
702	TERT-BUTYLBENZENE	1.9118		1.8071			5.5
17	1,2,4-TRIMETHYLBENZENE	1.6373		1.6091			1.7
644	SEC-BUTYLBENZENE	2.7285		2.4858			8.9
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	1.6419		1.6062			2.2
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	1.3076		1.3281			1.6
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	1.3635		1.3631			0
519	N-BUTYLBENZENE	1.0969		1.0901			.6
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	1.3446		1.3095			2.6
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.4222		0.3970			6
16	1,2,4-TRICHLOROBENZENE	0.7389		0.9758			32.1
493	NAPHTHALENE	1.1332		1.2216			7.8
398	HEXACHLOROBUTADIENE	0.8337		0.9662			15.9
13	1,2,3-TRICHLOROBENZENE	0.6814		0.8954			31.4
54	2-CHLOROETHYLVINYLETHER	0.2760		0.2921			5.8
301	DICHLOROETHANE-D4	0.4057		0.4179			3
726	TOLUENE-D8	0.8893		0.9978			12.2
3362	DIBROMOFLUOROMETHANE	0.6387		0.6925			8.4
196	4-BROMOFLUOROBENZENE	0.7304		0.9510			30.2

Comment Value reported for analytes calibrated by linear (LIN) or quadratic (QDR) equations is concentration (MG/KG UG/L).

Qualifiers

QDR Quadratic Equation Used

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9700E.D
Acq On : 26 Oct 06 6:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 6:52 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.89	96	1781507	50.00	UG/L	0.07
51) CHLOROBENZENE-d5	18.52	117	1550229	50.00	UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	971286	50.00	UG/L	0.04
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.21	65	744439	51.50	UG/L	0.06
Spiked Amount 50.000	Range 40 - 60		Recovery = 103.00%#			
44) Toluene-d8	15.32	98	1777536	56.10	UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 112.20%#			
47) Dibromofluoromethane	10.53	113	1233696	54.21	UG/L	0.07
Spiked Amount 50.000			Recovery = 108.42%			
50) 4-Bromofluorobenzene	20.70	95	1694253	65.10	UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 130.20%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.66	85	919098	50.74	UG/L	100
3) Chloromethane	4.06	50	623037	42.17	UG/L	100
4) VINYL CHLORIDE	4.23	62	651801	47.39	UG/L	98
5) Bromomethane	4.81	94	456428	54.49	UG/L	97
6) Chloroethane	5.00	64	366954	51.40	UG/L	97
7) Trichlorofluoromethane	5.49	101	1151425	57.80	UG/L	100
8) Acrolein	7.79	56	103399	270.28	UG/L	100
9) Diethyl Ether	6.03	59	458677	53.73	UG/L	100
10) Trichlorotrifluoroethane	6.42	101	1308296	58.81	UG/L #	100
11) Acetone	6.56	43	224589m	48.07	UG/L	85
12) 1,1-DICHLOROETHENE	6.43	96	669765	58.26	UG/L	100
13) Methylene Chloride	7.31	84	789073	53.74	UG/L	91
14) Acrylonitrile	7.80	53	34422	10.44	UG/L	100
15) Carbon Disulfide	6.85	76	2154669	55.16	UG/L	98
16) Vinyl Acetate	7.80	43	584237	53.36	UG/L	100
17) trans-1,2-Dichloroethene	7.78	96	756850	59.04	UG/L #	72
18) 1,1-Dichloroethane	8.56	63	1531134	52.11	UG/L	100
19) Methyl-t-butyl Ether	7.80	73	1457556	57.14	UG/L	100
20) Diispropyl Ether	8.64	45	3338107	47.21	UG/L	100
21) 2-Butanone	9.74	43	1449586	47.97	UG/L #	59
22) Ethyl Acetate	9.73	88	27873m	56.79	UG/L	100
23) cis-1,2-Dichloroethene	9.62	96	802731	57.44	UG/L #	48

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9700E.D
Acq On : 26 Oct 06 6:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 6:52 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.23	83	1540122	55.32 UG/L	98
25) Bromochloromethane	10.08	128	577052	60.34 UG/L	99
26) 2,2-Dichloropropane	9.64	77	1086329	57.89 UG/L #	100
27) Tetrahydrofuran	10.20	42	656338	234.09 UG/L	100
28) 1,1,1-Trichloroethane	10.61	97	1191715	58.10 UG/L #	100
29) Iodomethane	6.73	142	1719138	54.76 UG/L	100
30) 1,1-Dichloropropene	10.91	75	1193399	57.52 UG/L #	100
32) Carbon Tetrachloride	10.94	117	1121185	59.72 UG/L	93
33) 1,2-Dichloroethane	11.37	62	1066594	55.43 UG/L #	100
34) Isobutanol	11.11	43	5417606	9777.62 UG/L	100
35) Benzene	11.35	78	1795350	55.47 UG/L	100
36) N-Butanol	12.46	43	1799688	6541.77 UG/L	100
37) Trichloroethene	12.64	130	953655	64.23 UG/L	97
38) 1,2-DICHLOROPROPANE	13.14	63	985871	50.14 UG/L	100
39) Bromodichloromethane	13.69	83	1681875	56.72 UG/L	99
40) Dibromomethane	13.39	93	914040	56.38 UG/L	98
41) 2-Chloroethylvinylether	14.35	63	520403	52.92 UG/L #	100
42) 4-Methyl-2-Pentanone	15.05	43	1142452	46.58 UG/L	95
43) cis-1,3-Dichloropropene	14.71	75	1325248	55.41 UG/L	100
45) TOLUENE	15.49	91	2034933	58.02 UG/L	100
46) trans-1,3-Dichloropropene	15.98	75	1068442	57.19 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	795556	58.64 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1223795	59.40 UG/L #	100
52) 2-Hexanone	16.97	43	816610	38.59 UG/L #	93
53) 1,3-Dichloropropane	16.81	76	1225395	44.60 UG/L	100
54) Tetrachloroethene	16.76	166	1213959	55.26 UG/L	96
55) Dibromochloromethane	17.31	129	1384573	49.31 UG/L	100
56) Chlorobenzene	18.59	112	1539837	49.30 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.74	131	875743	49.66 UG/L	100
58) ETHYL BENZENE	18.78	106	646550	48.72 UG/L	92
59) m,p-Xylene	19.02	106	1532195	100.61 UG/L	77
60) o-Xylene	19.77	106	782900	50.75 UG/L	86
61) Styrene	19.80	104	1288416	50.83 UG/L #	45
62) Bromoform	20.14	173	1304898	53.09 UG/L	100
64) Isopropylbenzene	20.43	105	2011826	44.62 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	1361149	40.98 UG/L #	100
66) Bromobenzene	20.97	77	2241036	41.70 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9700E.D
Acq On : 26 Oct 06 6:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 6:52 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.02	110	290760	44.26 UG/L	100
68) n-Propylbenzene	21.14	92	324374	45.85 UG/L	71
69) 1,3,5-Trimethylbenzene	21.43	105	1549933	47.09 UG/L	100
70) 2-Chlorotoluene	21.30	126	599985	45.29 UG/L	100
71) 4-Chlorotoluene	21.48	126	575891	46.67 UG/L	100
72) t-Butylbenzene	21.96	119	1755183	47.26 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	1562932	49.14 UG/L	100
74) sec-Butylbenzene	22.31	105	2414405	45.55 UG/L	100
75) p-Isopropyltoluene	22.52	119	1560068	48.91 UG/L	100
76) 1,3-Dichlorobenzene	22.49	146	1289988	50.78 UG/L	100
77) 1,4-Dichlorobenzene	22.64	146	1323957	49.98 UG/L	100
78) n-Butylbenzene	23.15	92	1058763	49.69 UG/L	98
79) 1,2-Dichlorobenzene	23.21	146	1271935	48.70 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.45	157	385575	47.01 UG/L	100
81) 1,2,4-Trichlorobenzene	25.90	180	947749	66.02 UG/L	100
82) Naphthalene	26.39	128	1186564	53.90 UG/L	100
83) Hexachlorobutadiene	26.19	225	938438	57.95 UG/L	100
84) 1,2,3-Trichlorobenzene	26.88	180	869693	65.71 UG/L	100

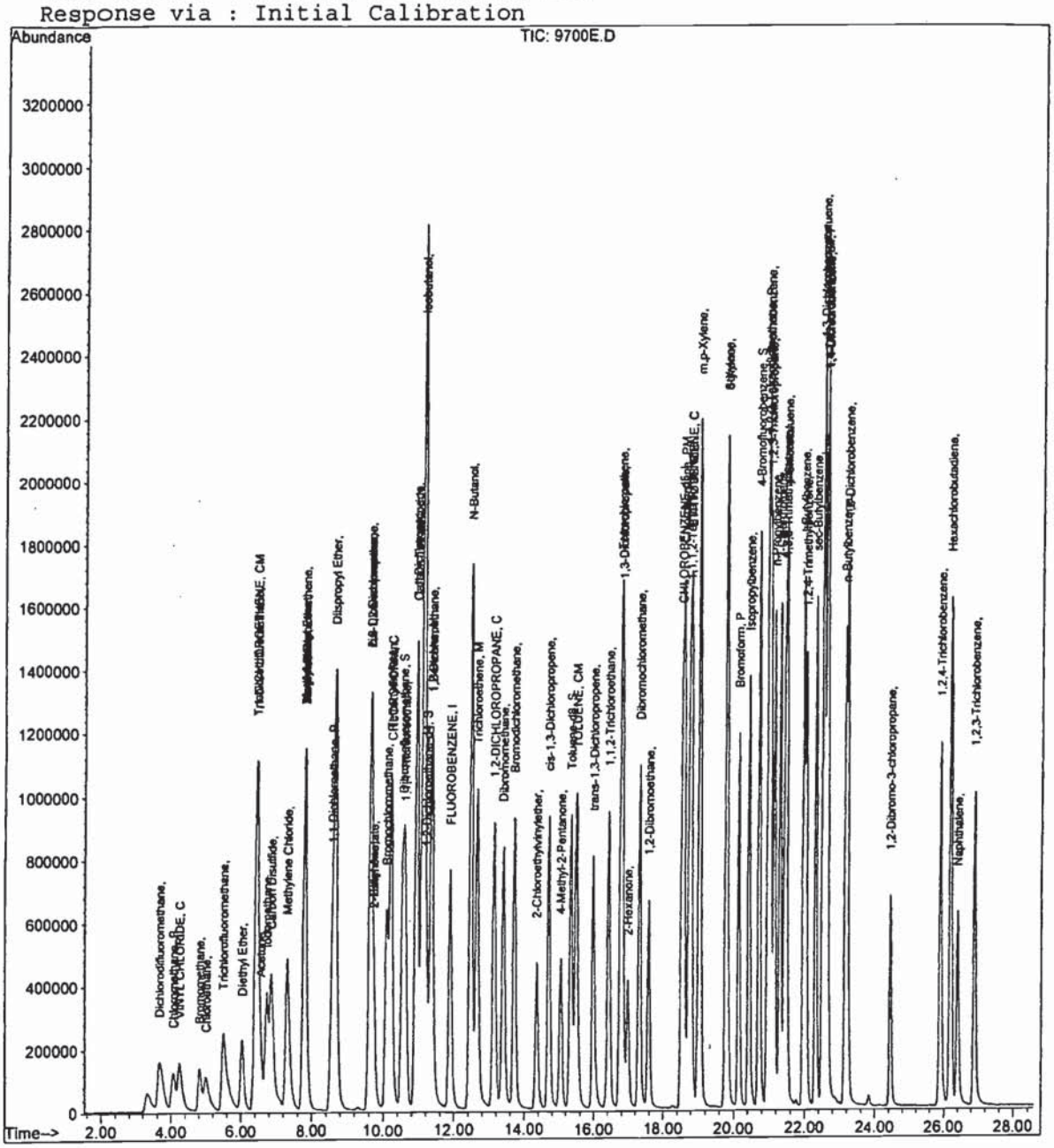
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E102606\9700E.D
Acq On : 26 Oct 06 6:11
Sample : VSTD050
Misc : CALIBRATION CHECK 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 6:52 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

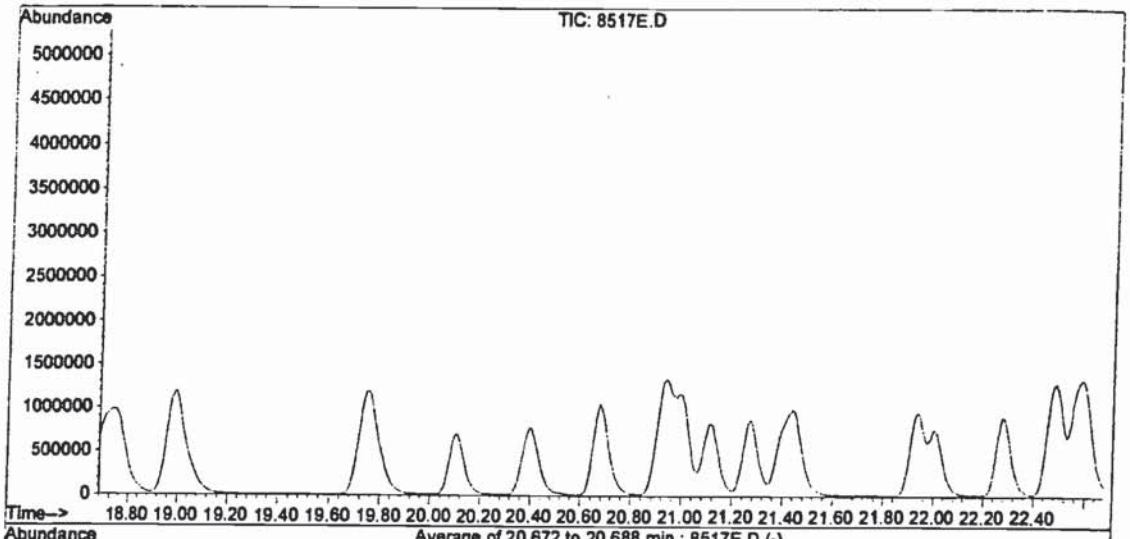
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

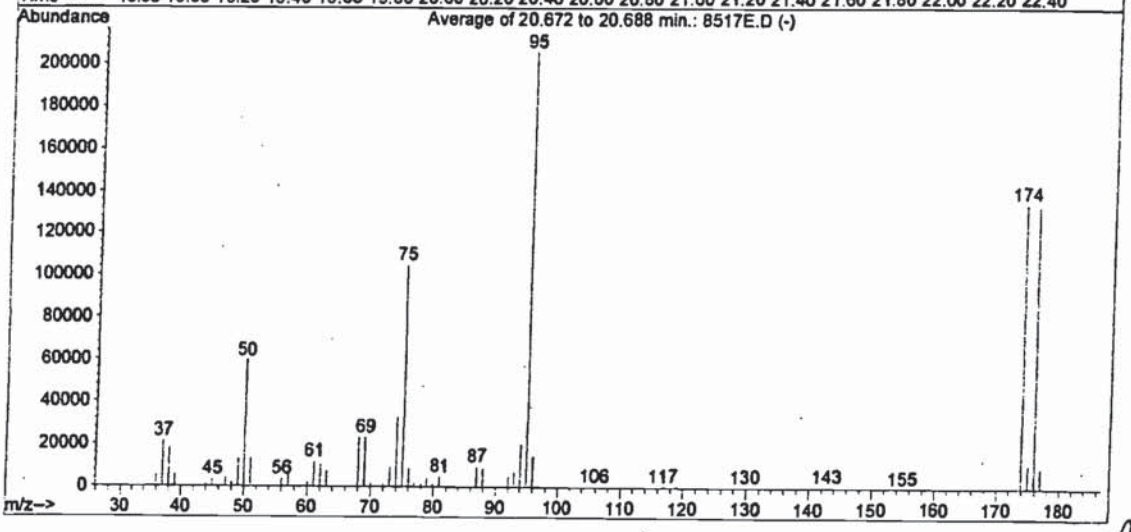


BFB

Data File : E:\DATA\E071306\8517E.D
Acq On : 13 Jul 06 17:27
Sample : A739701 MSD
Misc :
MS Integration Params: rteint.p
Method : E:\1\METHODS\APPIXX.M (RTE Integrator)
Title : 8260 VOLATILES

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





AutoFind: Scans 2271, 2272, 2273; Background Corrected with Scan 2259

RDS 7/18/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.8	59387	PASS
75	95	30	60	50.9	105067	PASS
95	95	100	100	100.0	206229	PASS
96	95	5	9	7.0	14500	PASS
173	174	0.00	2	0.3	458	PASS
174	95	50	100	65.6	135189	PASS
175	174	5	9	8.1	10926	PASS
176	174	95	101	98.7	133376	PASS
177	176	5	9	7.1	9415	PASS

8517E.D APPIXX.M Tue Jul 18 07:12:36 2006 RPT1

Average of 20.672 to 20.688 min.: 8517E.D
A739701 MSD
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	5490	51.00	17776	68.00	23109	79.85	1504
37.00	21901	52.00	896	69.00	23371	80.90	5063
38.00	17897	55.00	902	70.00	1772	81.90	1206
39.00	5970	56.00	3924	72.00	1516	86.90	9857
39.95	83	57.00	6496	73.00	9918	87.95	8922
44.00	1372	60.00	2713	74.00	33376	90.95	528
45.00	3740	61.00	12061	75.00	105067	92.00	4944
47.00	4295	62.00	11035	76.00	9787	93.00	7316
48.00	2377	63.00	7884	76.95	1657	94.00	20461
49.00	13285	64.00	668	78.00	1425	95.00	206229
50.00	59387	67.05	893	78.90	4524	96.00	14500

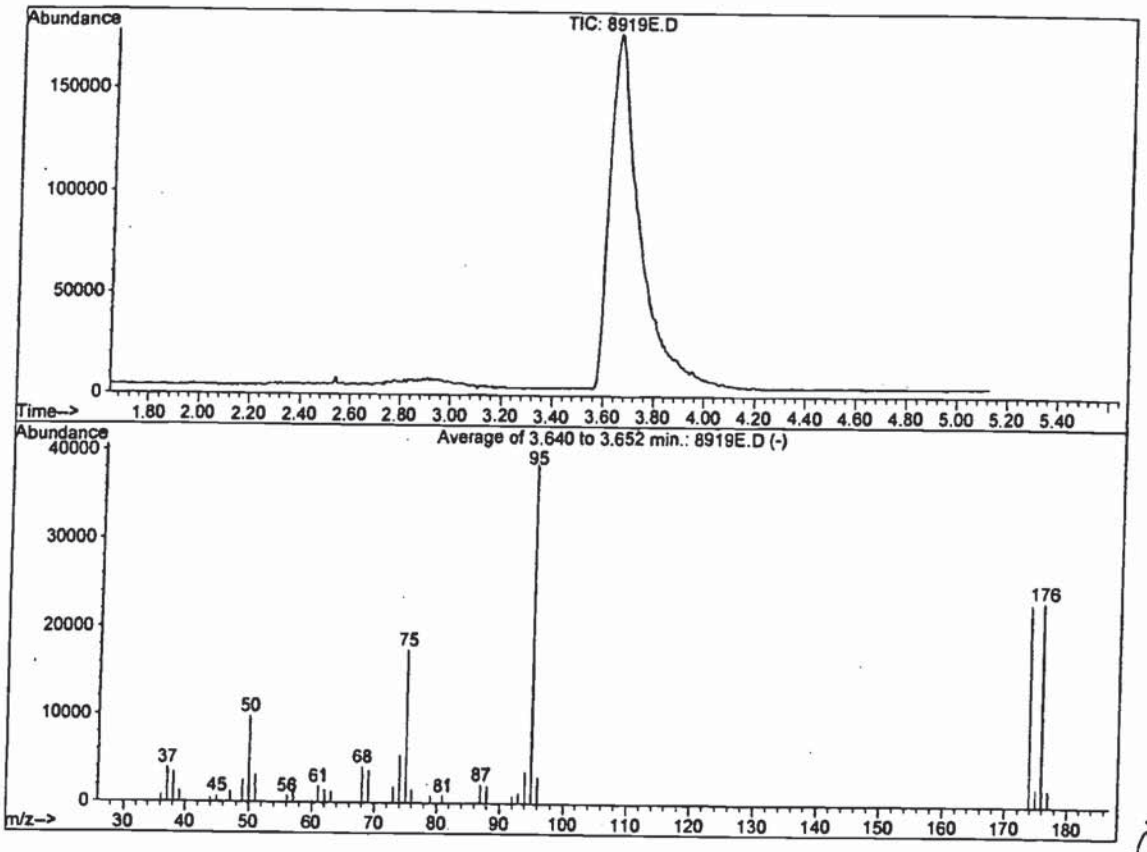
Average of 20.672 to 20.688 min.: 8517E.D
A739701 MSD
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.10	188	142.90	1104				
102.90	195	154.90	208				
103.85	790	173.00	458				
105.90	796	173.90	135189				
115.90	216	174.90	10926				
116.85	913	175.90	133376				
117.90	189	176.90	9415				
118.90	851						
127.90	507						
129.85	690						
140.90	1034						

BFB

Data File : C:\HPCHEM\DATA\E081606\8919E.D
Acq On : 16 Aug 06 6:14
Sample : BFB TUNE CHECK
Misc : 8/16/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

Vial: 9
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00



AutoFind: Scans 434, 435, 436; Background Corrected with Scan 420

BD 8/17/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	9806	PASS
75	95	30	60	45.2	17464	PASS
95	95	100	100	100.0	38619	PASS
96	95	5	9	7.8	3012	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	59.7	23069	PASS
175	174	5	9	8.8	2027	PASS
176	174	95	101	100.9	23269	PASS
177	176	5	9	8.0	1865	PASS

8919E.D 8260E1.M Wed Aug 16 06:21:42 2006

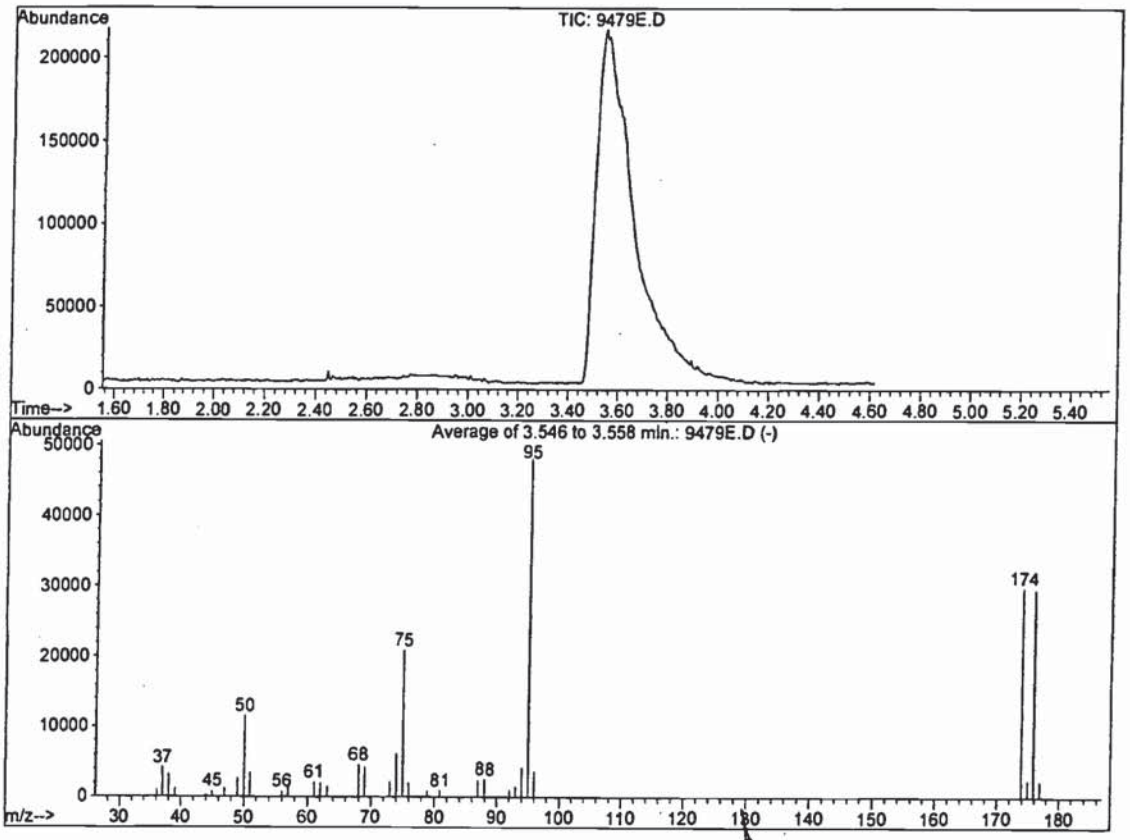
Average of 3.640 to 3.652 min.: 8919E.D
BFB TUNE CHECK
Modified: subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	840	57.00	1331	78.95	824	175.90	23269
37.05	3865	60.00	182	80.90	860	176.90	1865
38.05	3440	61.05	1896	87.00	2109		
39.05	1285	62.05	1493	88.00	2026		
44.00	455	63.05	1246	92.00	879		
45.00	738	68.00	4034	93.00	1285		
47.05	1200	69.05	3627	94.00	3671		
49.00	2480	73.00	1885	95.00	38619		
50.00	9806	74.00	5384	96.00	3012		
51.05	3064	75.05	17464	173.90	23069		
56.05	733	76.00	1512	174.95	2027		

BFB

Data File : C:\HPCHEM\DATA\E100406\9479E.D
Acq On : 4 Oct 06 5:03
Sample : BFB TUNE CHECK
Misc : 10/4/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



AutoFind: Scans 419, 420, 421; Background Corrected with Scan 402

10/5/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	11511	PASS
75	95	30	60	43.5	20920	PASS
95	95	100	100	100.0	48139	PASS
96	95	5	9	7.5	3596	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	61.8	29765	PASS
175	174	5	9	8.2	2430	PASS
176	174	95	101	99.2	29512	PASS
177	176	5	9	7.8	2299	PASS

9479E.D 8260E1.M Wed Oct 04 05:08:43 2006

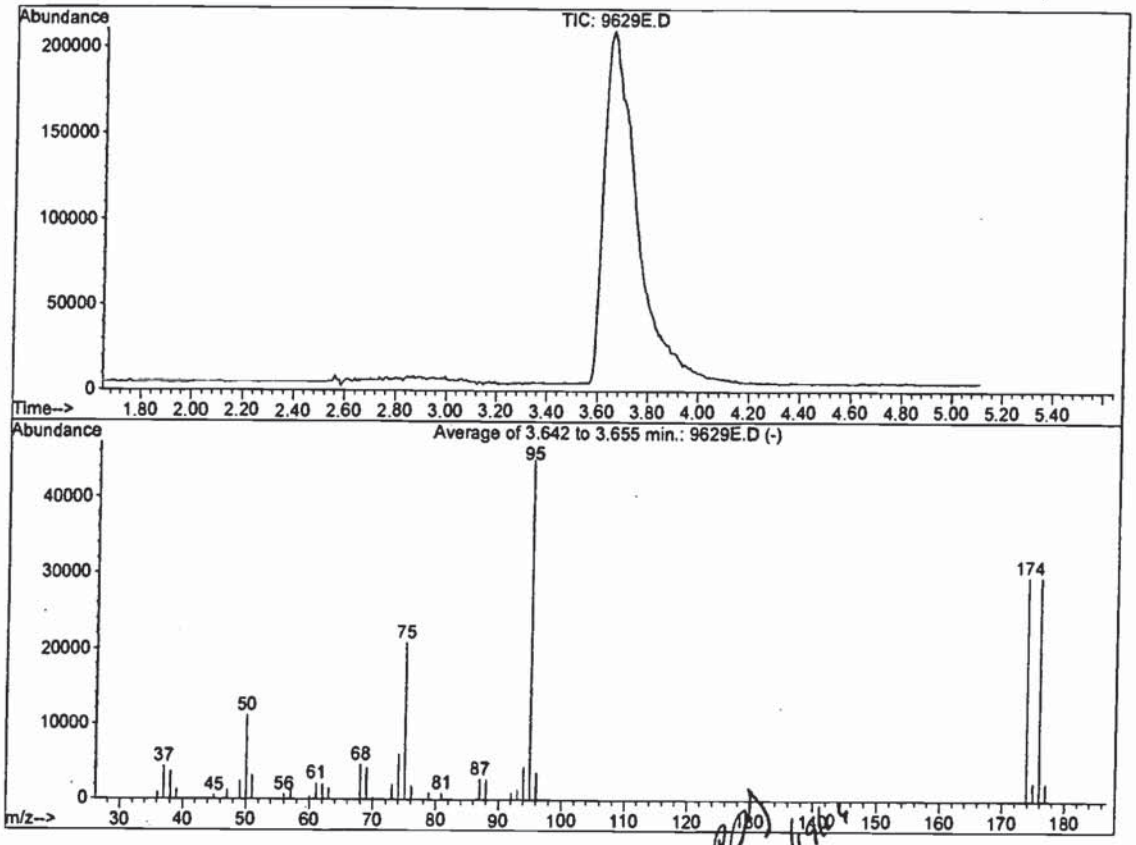
Average of 3.546 to 3.558 min.: 9479E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	977	56.00	789	78.90	856	175.90	29512
37.00	4274	57.00	1434	80.90	922	176.90	2299
38.05	3210	61.00	2151	86.95	2382		
39.05	1200	62.00	1995	88.00	2542		
40.00	84	63.05	1418	92.00	1069		
44.00	259	68.00	4581	93.00	1455		
45.00	865	69.00	4267	94.00	4219		
47.00	1289	73.00	2159	95.00	48139		
49.00	2719	74.00	6186	96.00	3596		
50.00	11511	75.00	20920	173.90	29765		
51.00	3426	76.00	1995	174.95	2430		

BFB

Data File : C:\HPCHEM\DATA\E101706\9629E.D
Acq On : 17 Oct 06 6:36
Sample : BFB TUNE CHECK
Misc : 10/17/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



Spectrum Information: Average of 3.642 to 3.655 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	11172	PASS
75	95	30	60	46.4	20837	PASS
95	95	100	100	100.0	44949	PASS
96	95	5	9	8.1	3643	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.0	29651	PASS
175	174	5	9	8.2	2425	PASS
176	174	95	101	100.0	29645	PASS
177	176	5	9	7.9	2332	PASS

9629E.D 8260E1.M Tue Oct 17 06:42:40 2006

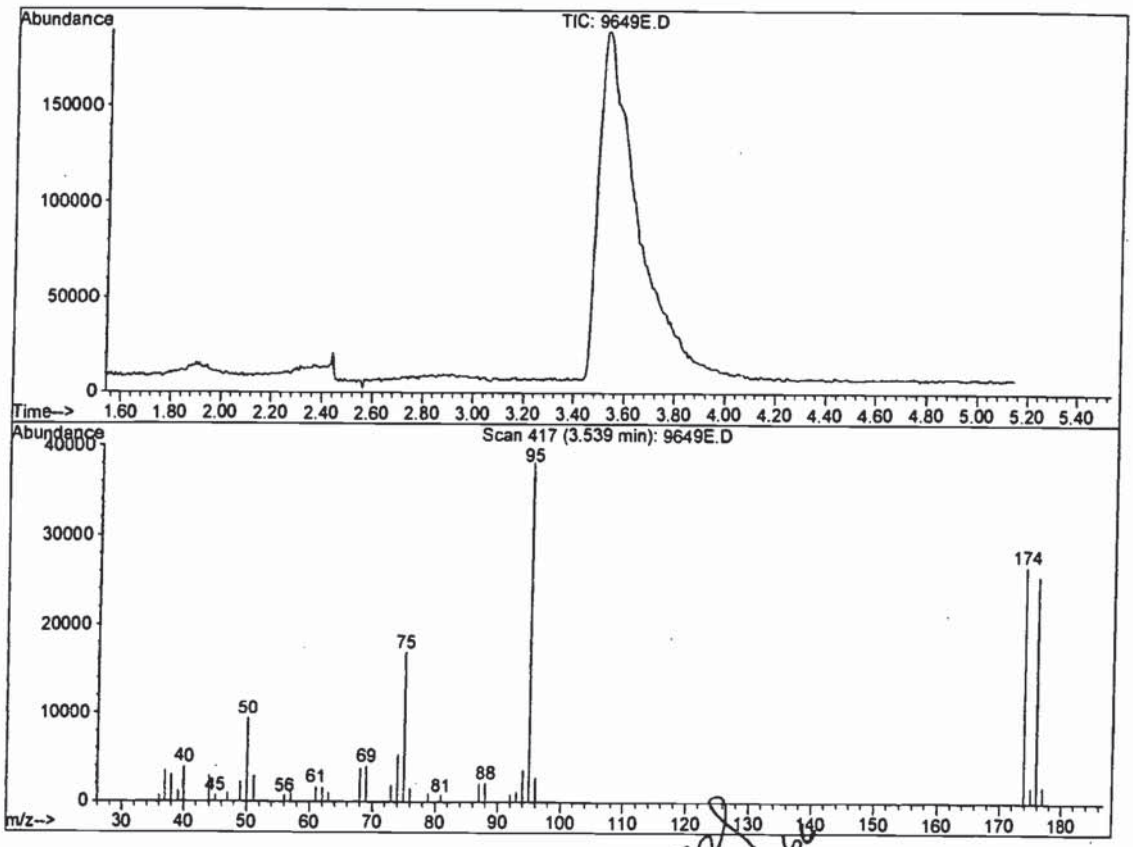
Average of 3.642 to 3.655 min.: 9629E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	936	57.00	1348	76.05	1803	174.90	2425
37.00	4374	60.00	408	78.90	968	175.90	29645
38.05	3604	61.05	2139	80.90	897	176.90	2332
39.00	1314	62.05	2045	87.00	2784		
44.00	100	63.00	1454	88.00	2566		
45.00	582	68.00	4638	92.00	966		
47.05	1289	69.00	4171	93.00	1454		
49.05	2468	70.00	170	94.00	4373		
50.00	11172	73.00	2031	95.00	44949		
51.00	3190	74.00	6078	96.00	3643		
56.00	703	75.00	20837	173.90	29651		

BFB

Data File : C:\HPCHEM\DATA\E101906\9649E.D
Acq On : 19 Oct 06 5:53
Sample : BFB TUNE CHECK
Misc : 10/19/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

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



Spectrum Information: Scan 417

10/20/06

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.6	9380	PASS
75	95	30	60	44.3	16928	PASS
95	95	100	100	100.0	38176	PASS
96	95	5	9	7.1	2726	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.9	26704	PASS
175	174	5	9	6.9	1853	PASS
176	174	95	101	96.1	25664	PASS
177	176	5	9	7.3	1876	PASS

9649E.D 8260E1.M Thu Oct 19 06:01:36 2006

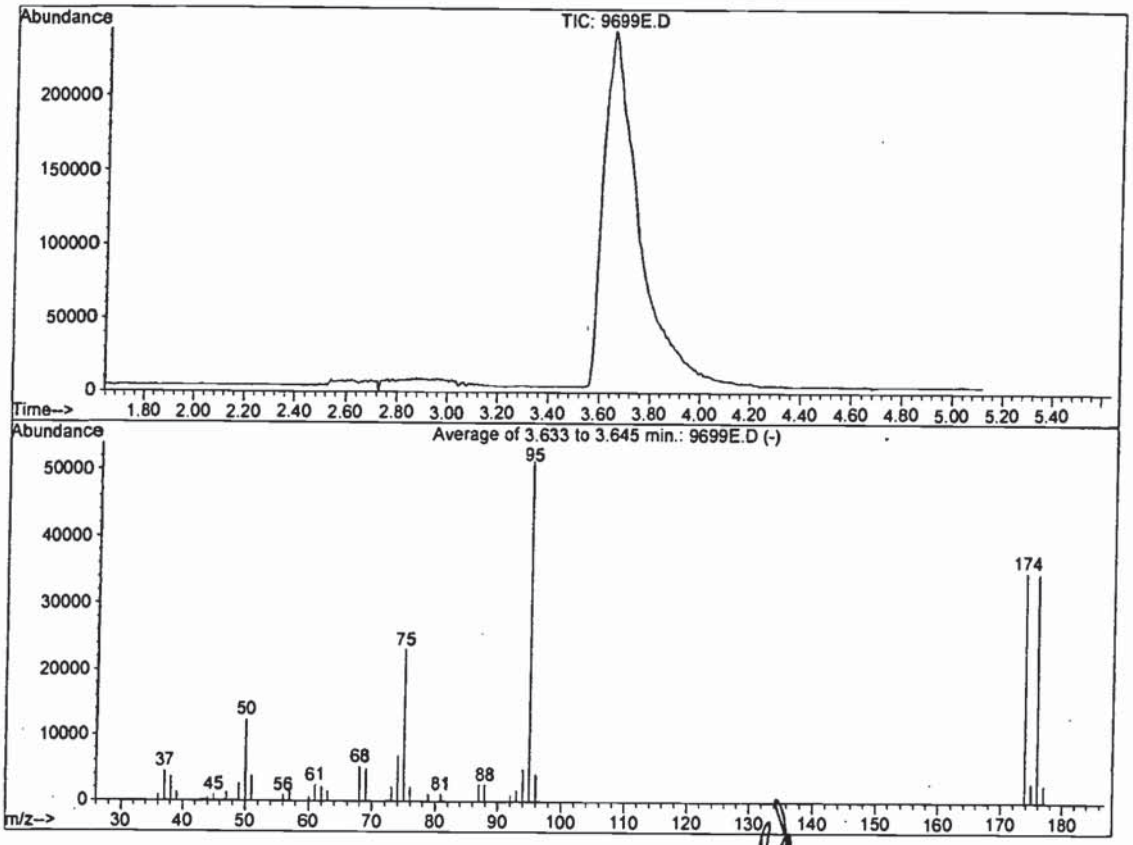
Scan 417 (3.539 min): 9649E.D
BFB TUNE CHECK

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	717	56.00	671	78.90	876	175.90	25664
37.00	3573	57.00	998	80.90	704	176.90	1876
38.00	3047	61.00	1657	87.00	2012		
39.10	1190	62.00	1583	88.00	2117		
40.00	3968	63.00	1007	92.00	840		
44.00	2933	68.00	3783	93.00	1157		
45.00	690	69.00	4026	94.00	3673		
47.00	943	73.00	1838	95.00	38176		
49.00	2256	74.00	5304	96.00	2726		
50.00	9380	75.00	16928	173.90	26704		
51.10	2938	76.00	1476	175.00	1853		

BFB

Data File : C:\HPCHEM\DATA\E102606\9699E.D
Acq On : 26 Oct 06 5:44
Sample : BFB TUNE CHECK
Misc : 10/26/06
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00



AutoFind: Scans 433, 434, 435; Background Corrected with Scan 418

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	12406	PASS
75	95	30	60	45.0	23107	PASS
95	95	100	100	100.0	51349	PASS
96	95	5	9	7.9	4078	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.0	34904	PASS
175	174	5	9	8.5	2959	PASS
176	174	95	101	99.3	34661	PASS
177	176	5	9	7.7	2661	PASS

9699E.D 8260E1.M Thu Oct 26 05:52:09 2006

Average of 3.633 to 3.645 min.: 9699E.D
BFB TUNE CHECK
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	969	56.00	885	76.00	2064	174.90	2959
37.05	4549	57.00	1400	78.90	1034	175.90	34661
38.05	3646	60.00	627	80.90	1112	176.90	2661
39.05	1351	61.00	2451	86.95	2529		
44.00	494	62.00	2165	87.95	2531		
45.00	924	63.00	1475	92.00	1050		
47.00	1317	68.00	5240	93.00	1804		
48.00	177	69.00	4880	94.00	4829		
49.00	2699	73.00	2140	95.00	51349		
50.00	12406	74.00	6909	96.00	4078		
51.00	3740	75.00	23107	173.90	34904		

R509893 Heritage Environmental Services, LLC Q1888983

QC Report

QCType BLA01 Duplicate SampleID DataFile 9482E.D
Date Entered 05Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 06:41:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

RDS 10/5/06

R509893 Heritage Environmental Services, LLC Q1888983

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					95	
726	TOLUENE-D8					101	
3362	DIBROMOFLUOROMETHANE					100	
196	4-BROMOFLUOROBENZENE					111	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9482E.D Vial: 2
Acq On : 4 Oct 06 6:41 Operator: HAROLD
Sample : VBLK Inst : GC/MS Ins
Misc : 10/4/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 4 7:10 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1888983

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1705280	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.51	117	1321971	50.00 UG/L	0.04
63) 1,4-Dichlorobenzene-d4	22.60	152	824720	50.00 UG/L	0.05

System Monitoring Compounds

31) 1,2-Dichloroethane-d4	11.20	65	658705	47.61 UG/L	0.05
Spiked Amount 50.000	Range 40 - 60		Recovery = 95.22%#		
44) Toluene-d8	15.32	98	1534003	50.58 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 101.16%#		
47) Dibromofluoromethane	10.53	113	1094491	50.24 UG/L	0.06
Spiked Amount 50.000			Recovery = 100.48%		
50) 4-Bromofluorobenzene	20.70	95	1387216	55.69 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 111.38%#		

Target Compounds					Qvalue
8) Acrolein	7.77	56	798	2.18 UG/L	100
15) Carbon Disulfide	6.87	76	10992	1364.41 UG/L #	86
34) Isobutanol	11.07	43	3183	6.00 UG/L	100
36) N-Butanol	12.46	43	271	1.03 UG/L	100

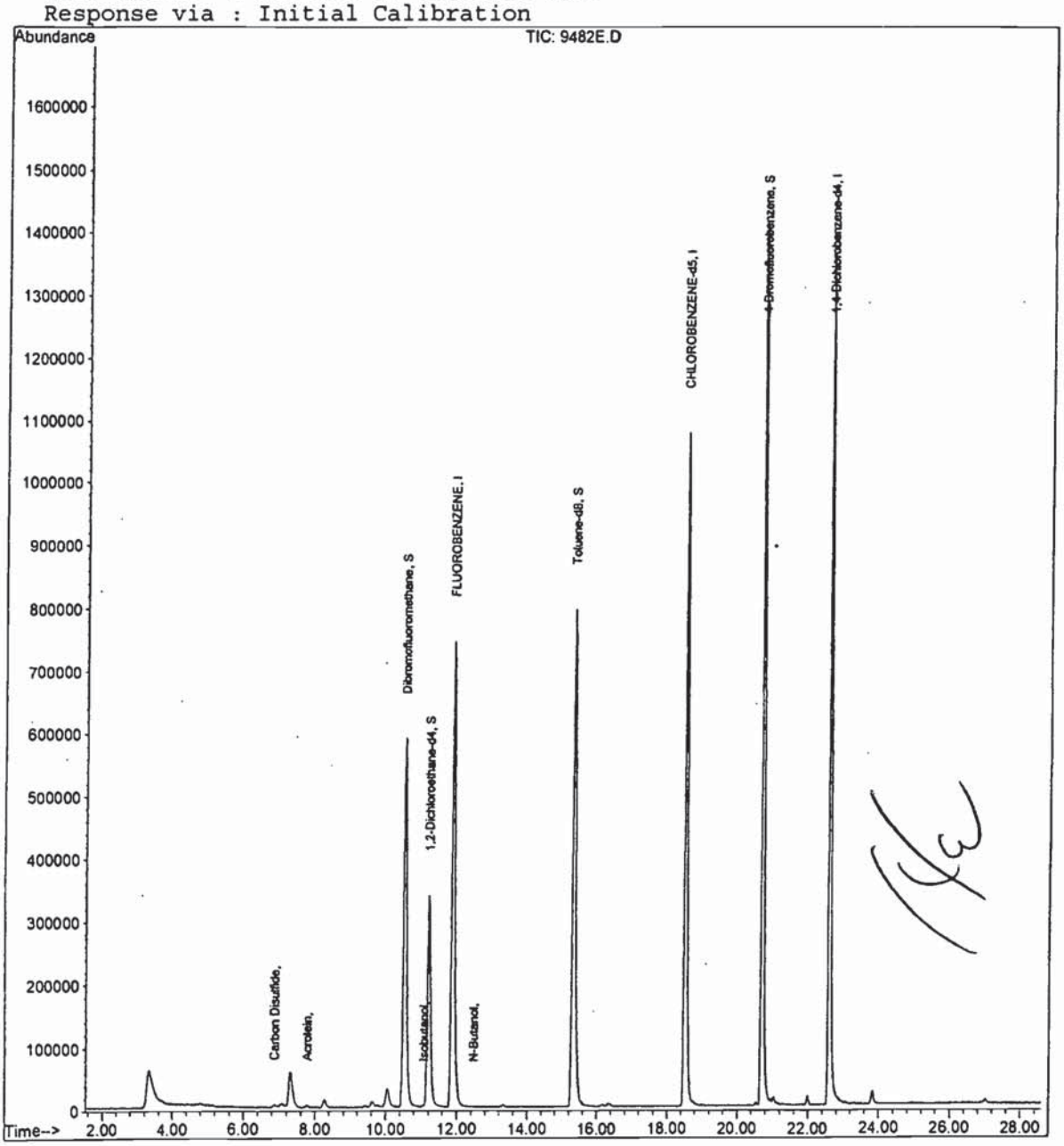
(#) = qualifier out of range (m) = manual integration

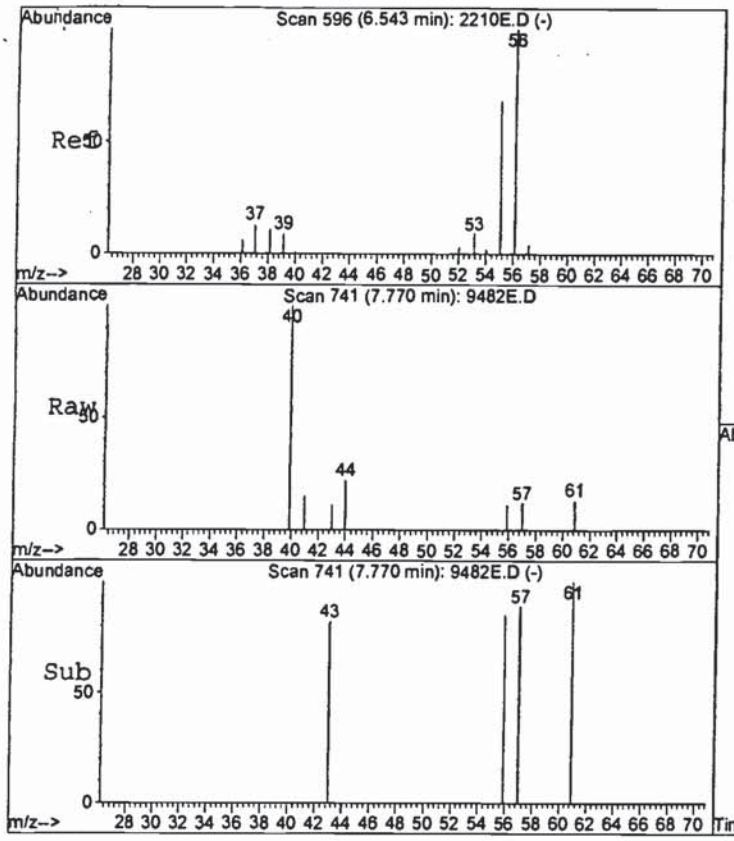
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9482E.D
Acq On : 4 Oct 06 6:41
Sample : VBLK
Misc : 10/4/06
MS Integration Params: rteint.p
Quant Time: Oct 4 7:10 2006

Vial: 2
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

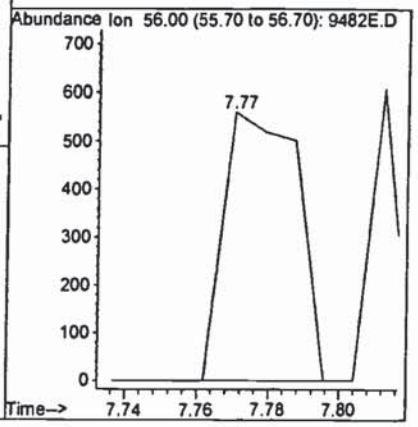
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

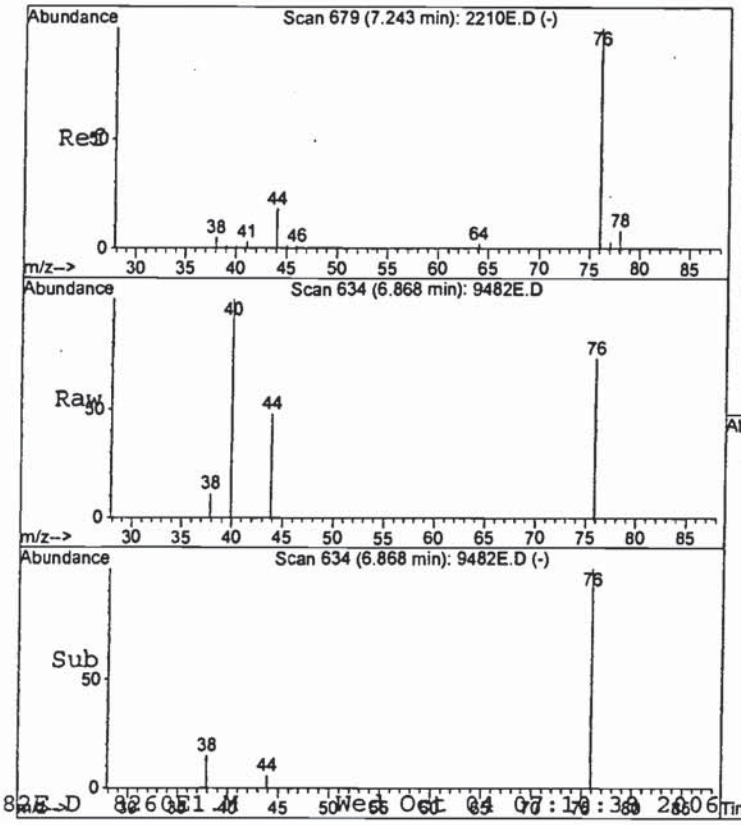




#8
Acrolein
Concen: 2.18 UG/L
RT: 7.77 min Scan# 741
Delta R.T. 0.03 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 56 Resp: 798

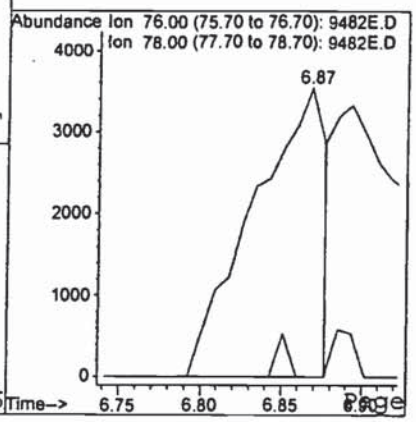


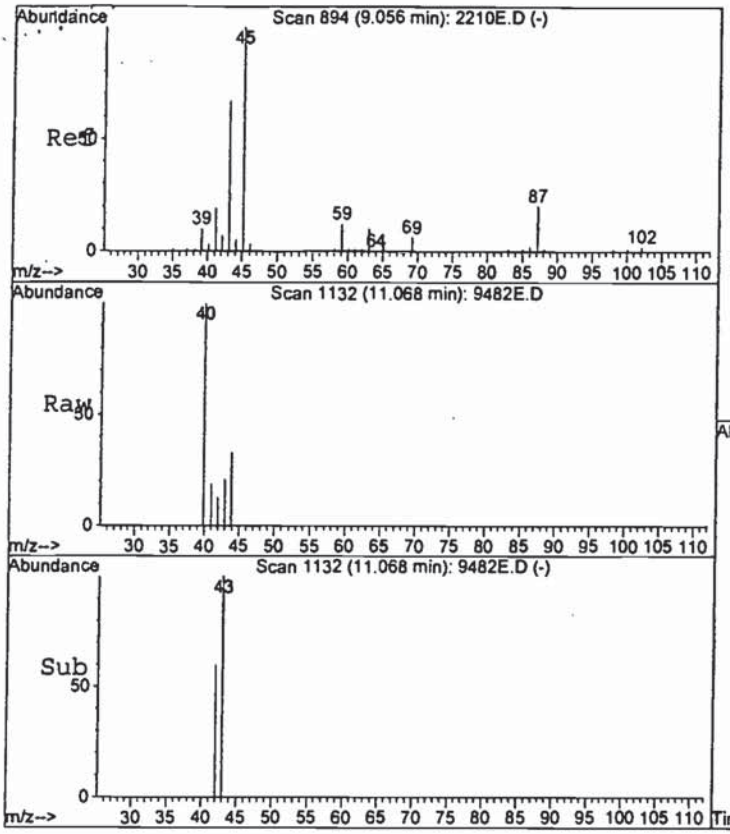


#15
Carbon Disulfide
Concen: 1364.41 UG/L
RT: 6.87 min Scan# 634
Delta R.T. 0.06 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 76 Resp: 10992

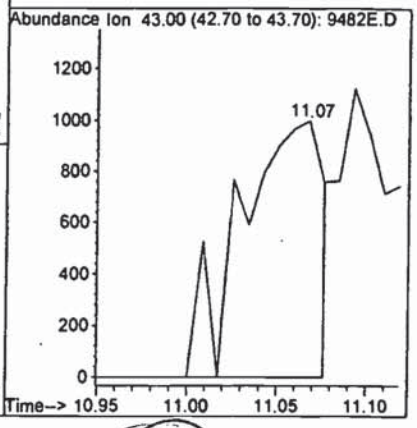
Ion	Ratio	Lower	Upper
76	100		
78	5.1	8.2	12.2#

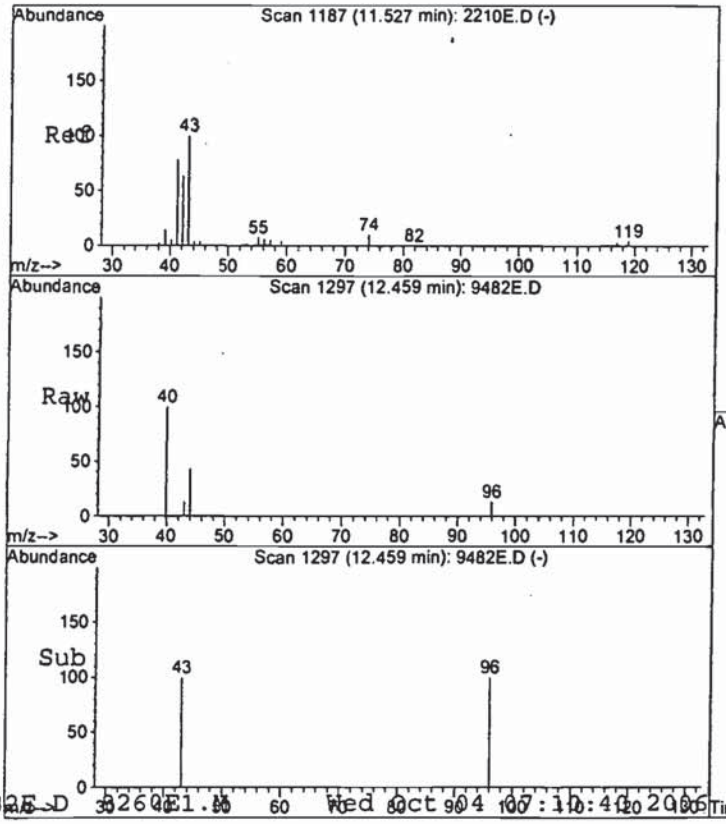




#34
Isobutanol
Concen: 6.00 UG/L
RT: 11.07 min Scan# 1132
Delta R.T. 0.05 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

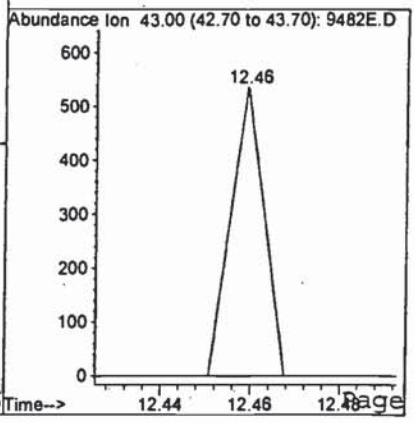
Tgt Ion: 43 Resp: 3183





#36
N-Butanol
Concen: 1.03 UG/L
RT: 12.46 min Scan# 1297
Delta R.T. 0.09 min
Lab File: 9482E.D
Acq: 4 Oct 06 6:41

Tgt Ion: 43 Resp: 271



R510458 Heritage Environmental Services, LLC Q1892357

QC Report

QCType BLA01 Duplicate SampleID DataFile 9632E.D
Date Entered 19Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 17Oct06 08:43:00 Method 309 Matrix 5 Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

10/19/06

R510458 Heritage Environmental Services, LLC Q1892357

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					95	
726	TOLUENE-D8					108	
3362	DIBROMOFLUOROMETHANE					103	
196	4-BROMOFLUOROBENZENE					122	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9632E.D
Acq On : 17 Oct 06 8:43
Sample : VBLK
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 9:16 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1892357

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.92	96	1619297	50.00 UG/L	0.09
51) CHLOROBENZENE-d5	18.54	117	1420592	50.00 UG/L	0.08
63) 1,4-Dichlorobenzene-d4	22.62	152	899621	50.00 UG/L	0.07
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.24	65	623111	47.43 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 94.86%#		
44) Toluene-d8	15.36	98	1548625	53.77 UG/L	0.09
Spiked Amount 50.000	Range 44 - 55		Recovery = 107.54%#		
47) Dibromofluoromethane	10.56	113	1060963	51.29 UG/L	0.09
Spiked Amount 50.000			Recovery = 102.58%		
50) 4-Bromofluorobenzene	20.73	95	1437021	60.75 UG/L	0.07
Spiked Amount 50.000	Range 43 - 58		Recovery = 121.50%#		

Target Compounds					Qvalue
13) Methylene Chloride	7.34	84	43715	3131.54 UG/L	80
15) Carbon Disulfide	6.91	76	16647	1364.24 UG/L #	77
34) Isobutanol	11.13	43	4974	9.88 UG/L	100
36) N-Butanol	12.48	43	329	1.32 UG/L	100

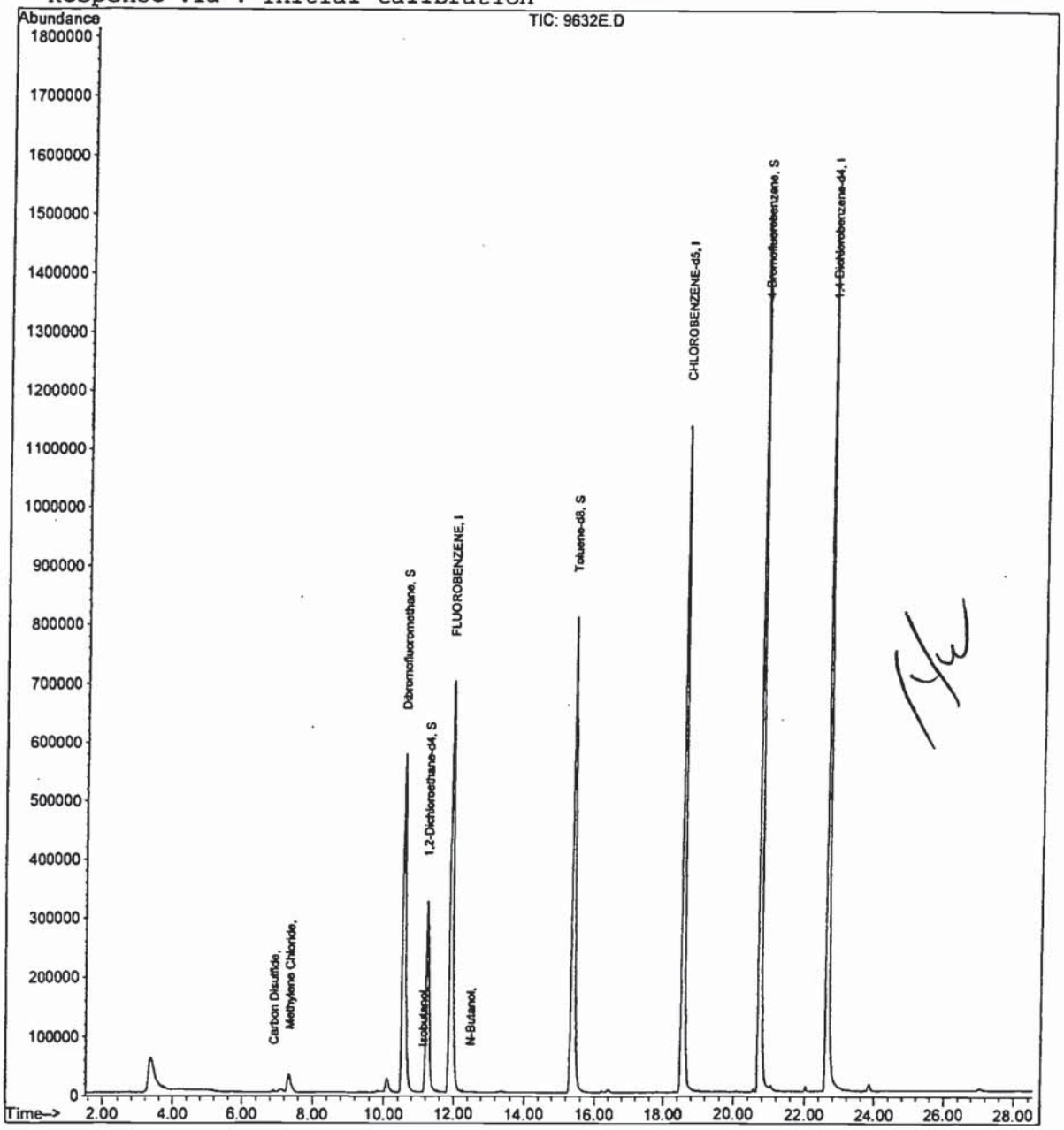
(#) = qualifier out of range (m) = manual integration

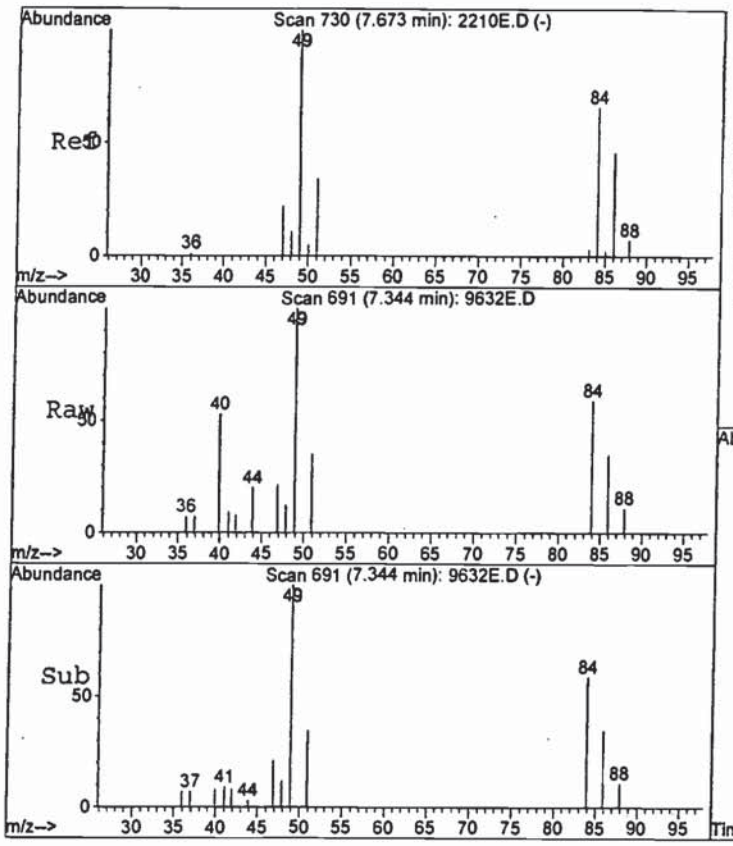
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9632E.D
Acq On : 17 Oct 06 8:43
Sample : VBLK
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 9:16 2006

Vial: 12
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

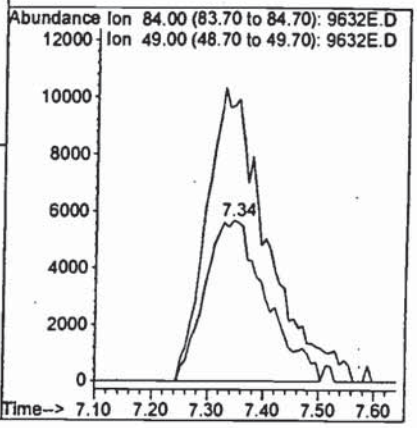


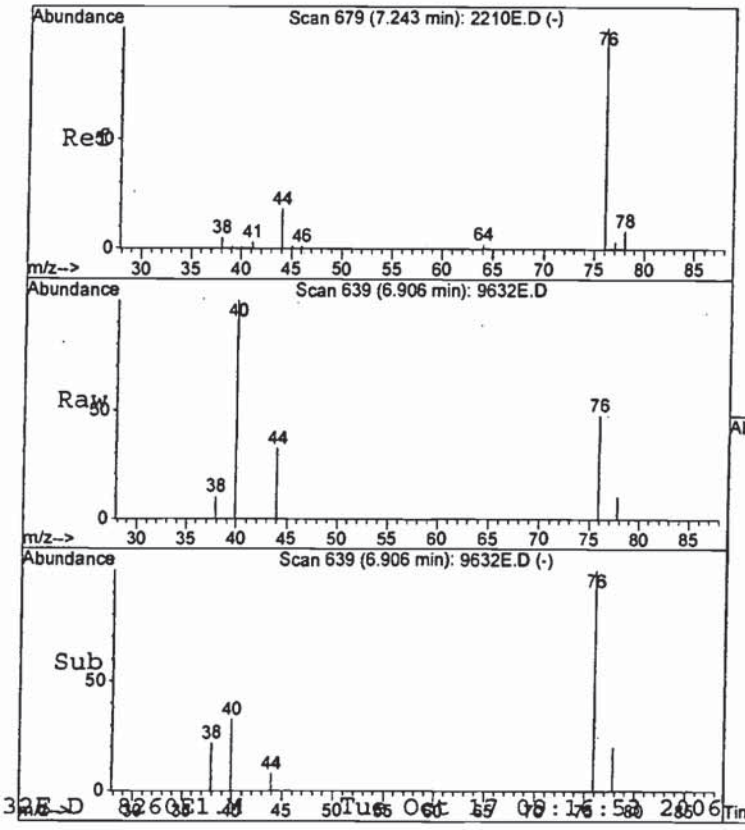


#13
Methylene Chloride
Concen: 3131.54 UG/L
RT: 7.34 min Scan# 691
Delta R.T. 0.11 min
Lab File: 9632E.D
Acq: 17 Oct 06 8:43

Tgt Ion: 84 Resp: 43715

Ion	Ratio	Lower	Upper
84	100		
49	179.1	123.1	184.7

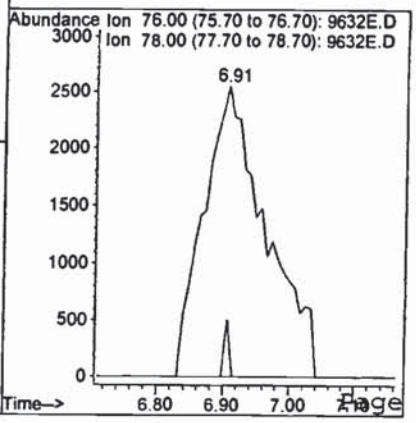


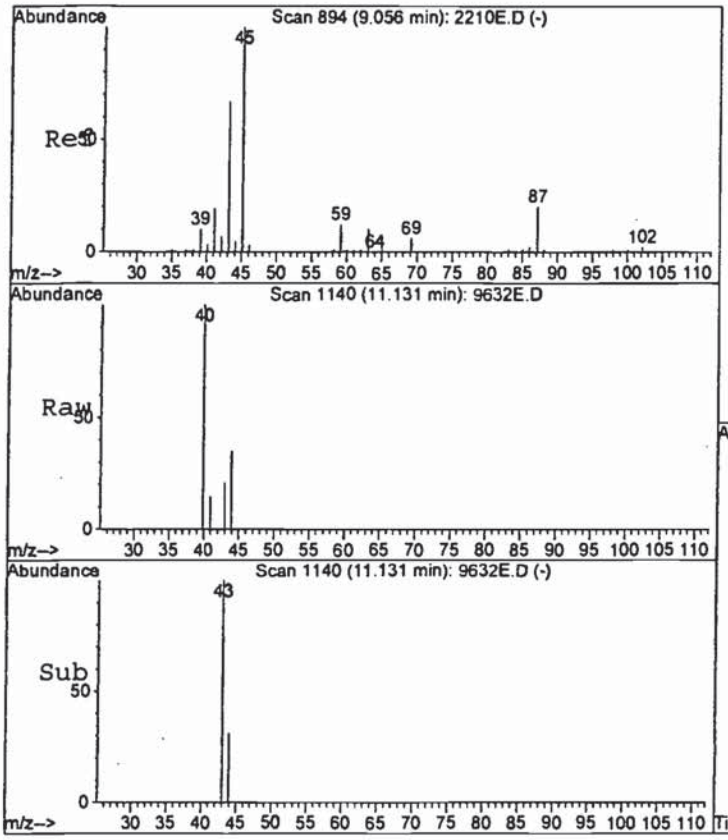


#15
Carbon Disulfide
Concen: 1364.24 UG/L
RT: 6.91 min Scan# 639
Delta R.T. 0.10 min
Lab File: 9632E.D
Acq: 17 Oct 06 8:43

Tgt Ion: 76 Resp: 16647

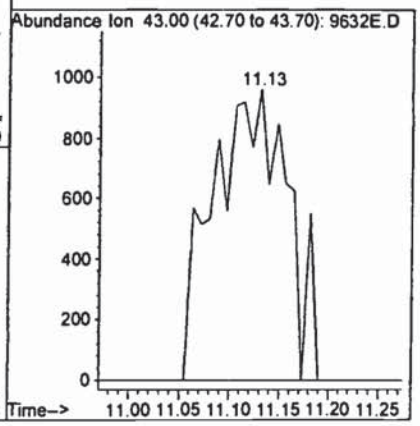
Ion	Ratio	Lower	Upper
76	100		
78	1.5	8.2	12.2#

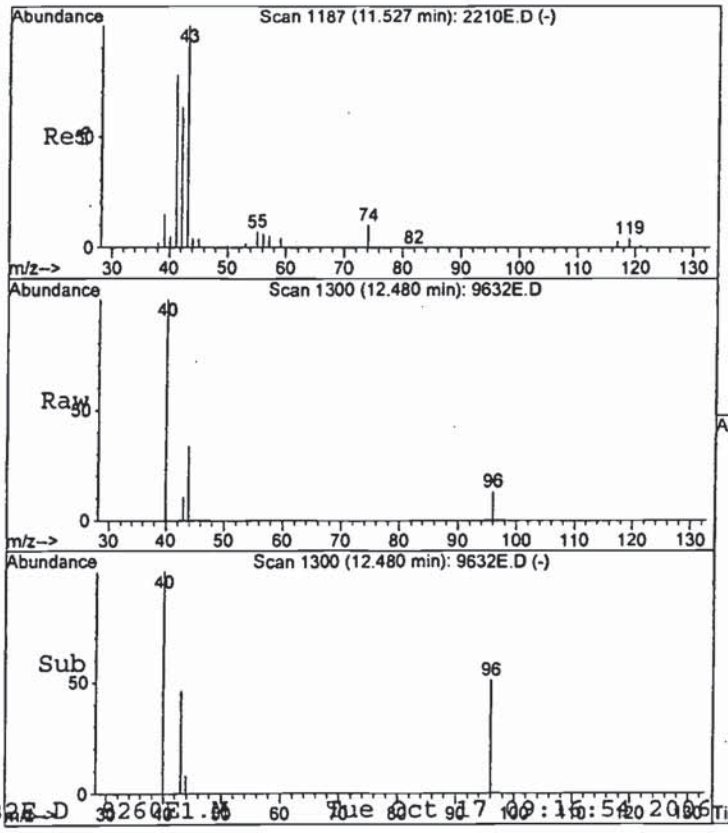




#34
Isobutanol
Concen: 9.88 UG/L
RT: 11.13 min Scan# 1140
Delta R.T. 0.11 min
Lab File: 9632E.D
Acq: 17 Oct 06 8:43

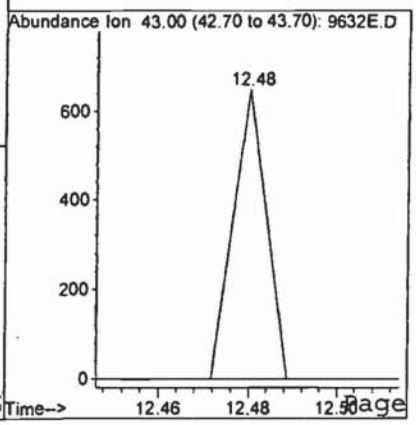
Tgt Ion: 43 Resp: 4974





#36
N-Butanol
Concen: 1.32 UG/L
RT: 12.48 min Scan# 1300
Delta R.T. 0.11 min
Lab File: 9632E.D
Acq: 17 Oct 06 8:43

Tgt Ion: 43 Resp: 329



R510493 Heritage Environmental Services, LLC Q1892560

QC Report

QCType BLA01 Duplicate SampleID DataFile 9652E.D
Date Entered 20Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 19Oct06 07:55:00 Method 309 Matrix 1 Units ug/L

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

RD 10/20/06

R510493 Heritage Environmental Services, LLC Q1892560

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
803	XYLENES (O/M/P-XYLENE)			10	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					97	
726	TOLUENE-D8					103	
3362	DIBROMOFLUOROMETHANE					102	
196	4-BROMOFLUOROBENZENE					108	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg. Blank is acceptable for low level soils. Units are ug/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9652E.D
Acq On : 19 Oct 06 7:55
Sample : VBLK
Misc : 10/19/06
MS Integration Params: rteint.p
Quant Time: Oct 19 8:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.84	96	1781403	50.00 UG/L	0.02
51) CHLOROBENZENE-d5	18.50	117	1338483	50.00 UG/L	0.03
63) 1,4-Dichlorobenzene-d4	22.56	152	839335	50.00 UG/L	0.01
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.18	65	700618	48.47 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 96.94%#		
44) Toluene-d8	15.28	98	1623790	51.25 UG/L	0.02
Spiked Amount 50.000	Range 44 - 55		Recovery = 102.50%#		
47) Dibromofluoromethane	10.49	113	1165657	51.22 UG/L	0.03
Spiked Amount 50.000			Recovery = 102.44%		
50) 4-Bromofluorobenzene	20.67	95	1398713	53.75 UG/L	0.01
Spiked Amount 50.000	Range 43 - 58		Recovery = 107.50%#		

Target Compounds					Qvalue
13) Methylene Chloride	7.26	84	20488	3133.60 UG/L #	1
15) Carbon Disulfide	6.83	76	27218	1364.01 UG/L #	78
36) N-Butanol	12.43	43	1197	4.95 UG/L	100
82) Naphthalene	26.35	128	22386	1.18 UG/L	100
84) 1,2,3-Trichlorobenzene	26.84	180	14065	1.23 UG/L	100

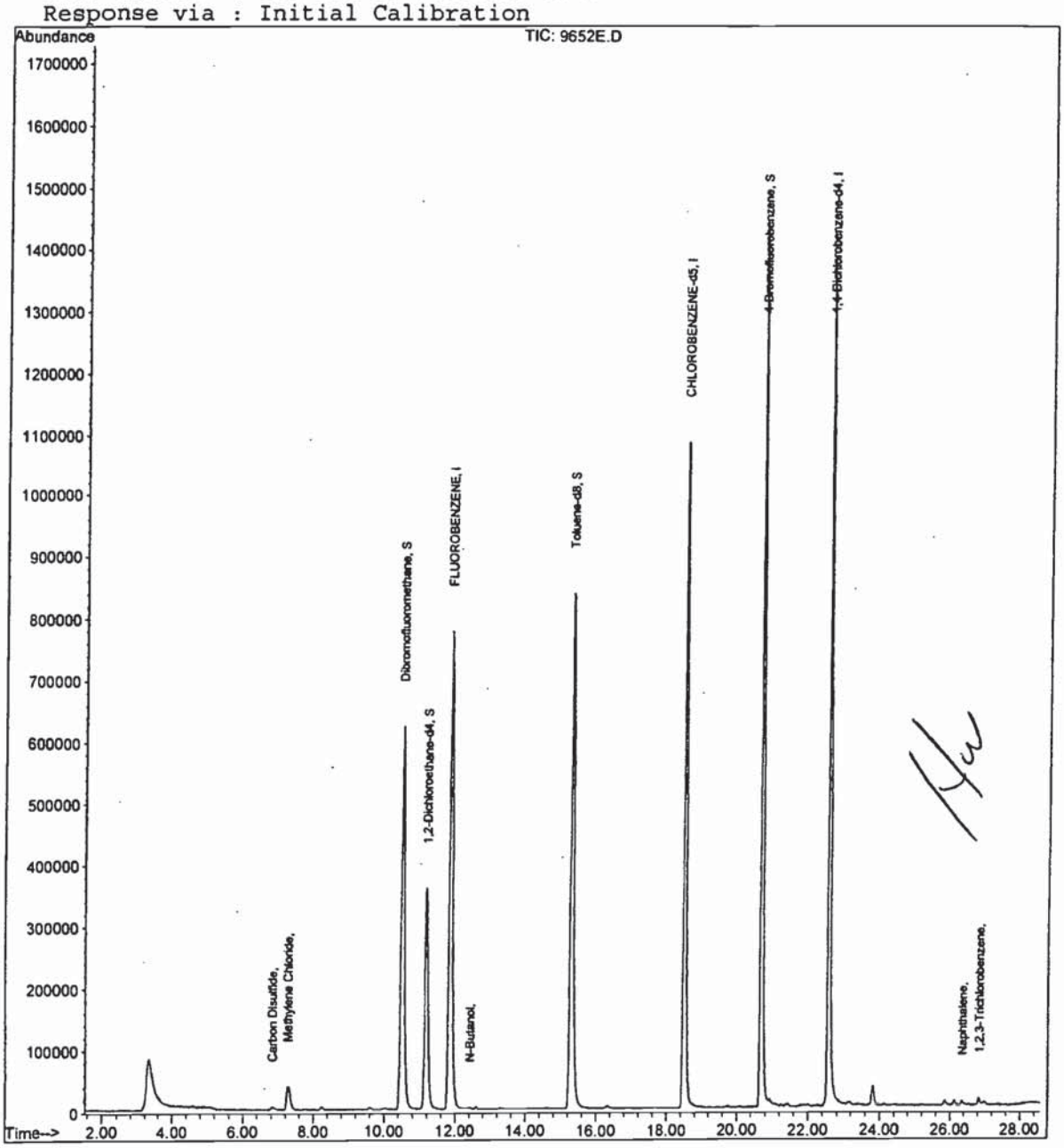
(#) = qualifier out of range (m) = manual integration

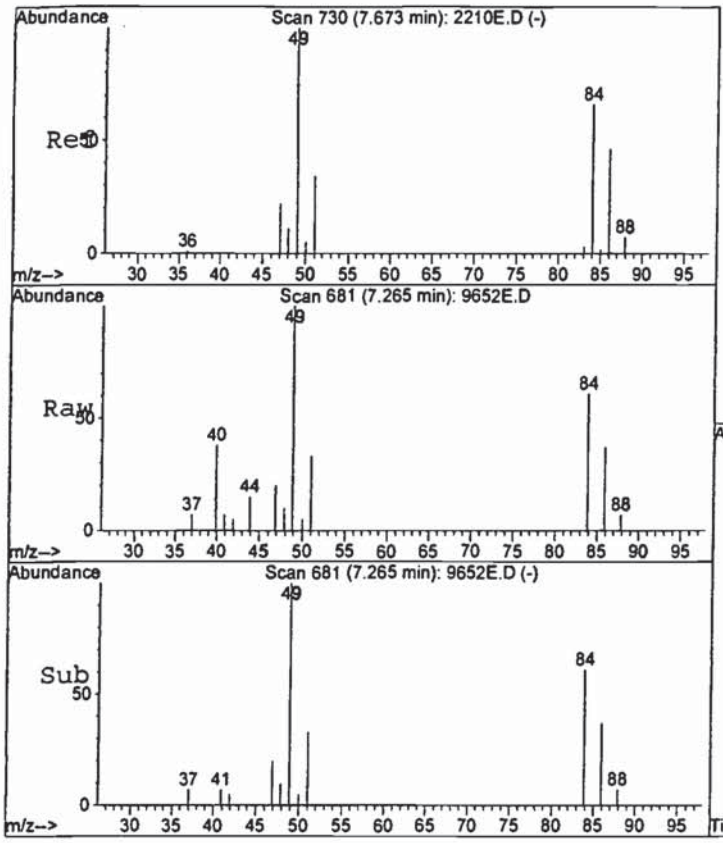
Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9652E.D
Acq On : 19 Oct 06 7:55
Sample : VBLK
Misc : 10/19/06
MS Integration Params: rteint.p
Quant Time: Oct 19 8:42 2006

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

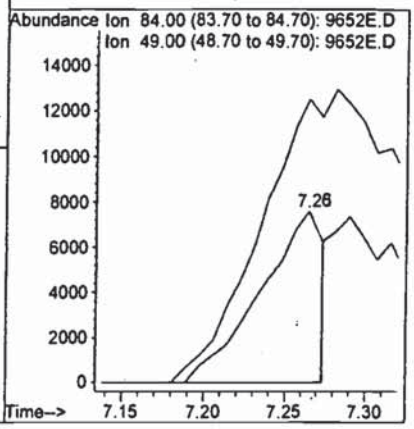


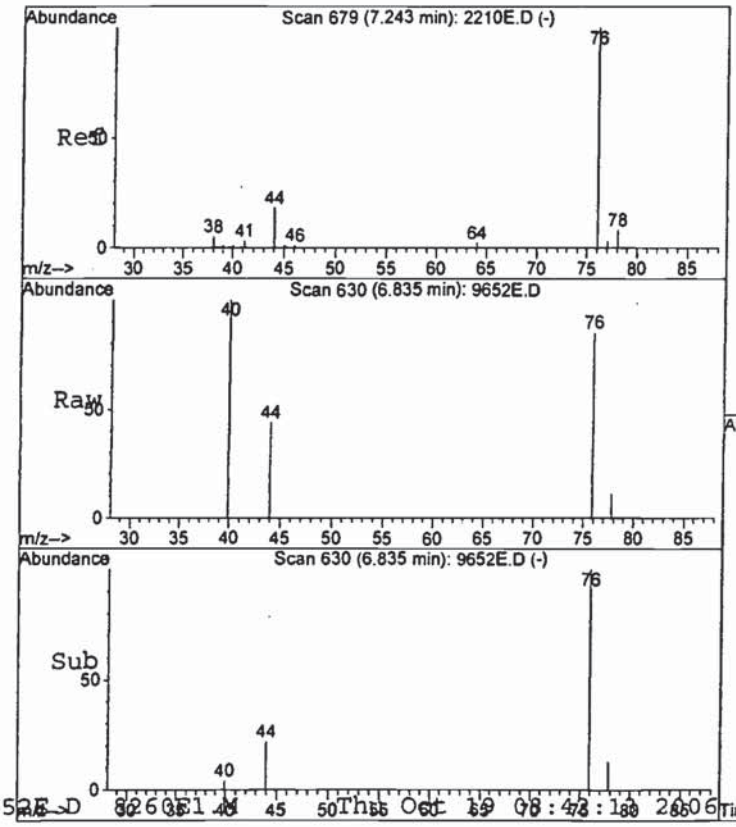


#13
Methylene Chloride
Concen: 3133.60 UG/L
RT: 7.26 min Scan# 681
Delta R.T. 0.03 min
Lab File: 9652E.D
Acq: 19 Oct 06 7:55

Tgt Ion: 84 Resp: 20488

Ion	Ratio	Lower	Upper
84	100		
49	473.1	123.1	184.7#

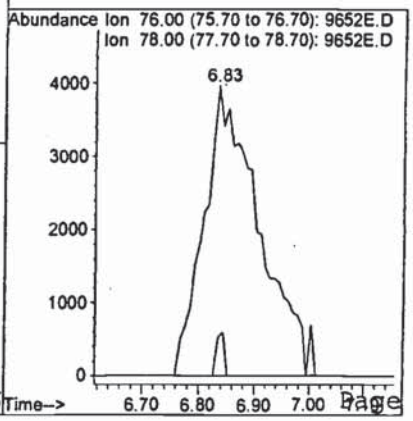


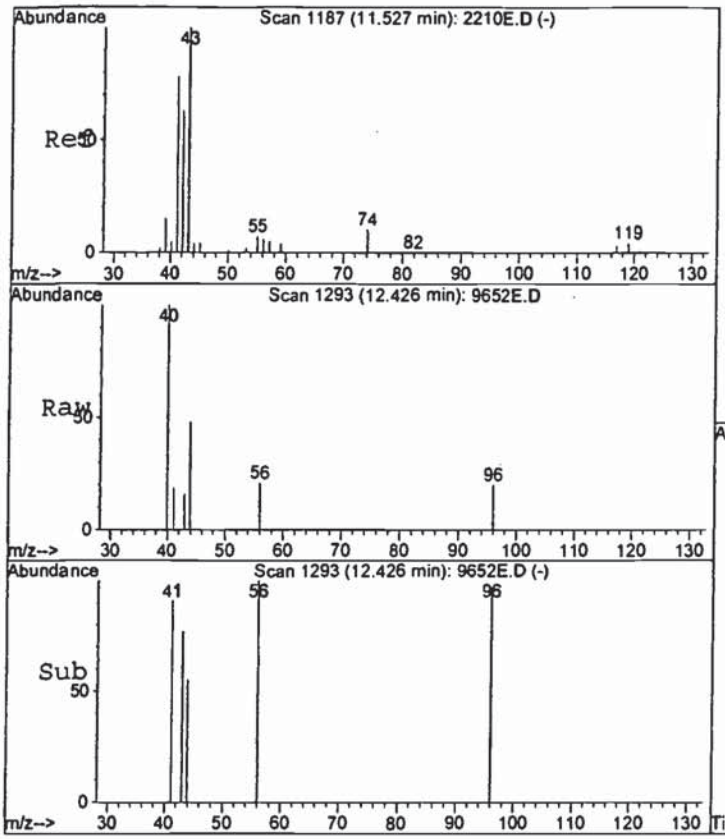


#15
Carbon Disulfide
Concen: 1364.01 UG/L
RT: 6.83 min Scan# 630
Delta R.T. 0.03 min
Lab File: 9652E.D
Acq: 19 Oct 06 7:55

Tgt Ion: 76 Resp: 27218

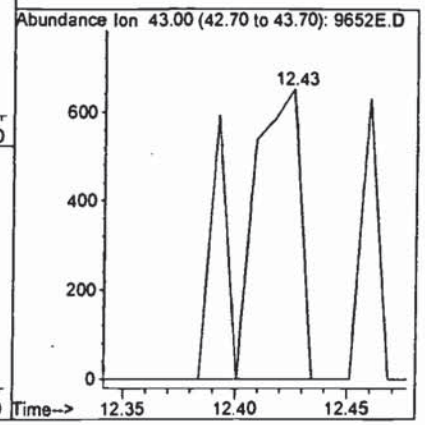
Ion	Ratio	Lower	Upper
76	100		
78	2.1	8.2	12.2#

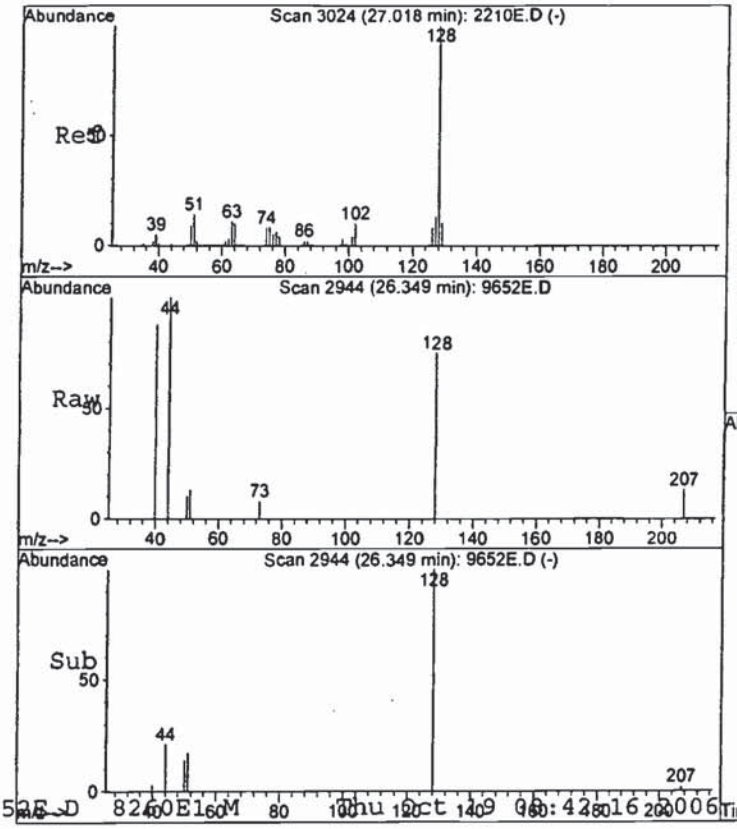




#36
N-Butanol
Concen: 4.35 UG/L
RT: 12.43 min Scan# 1293
Delta R.T. 0.06 min
Lab File: 9652E.D
Acq: 19 Oct 06 7:55

Tgt Ion: 43 Resp: 1197

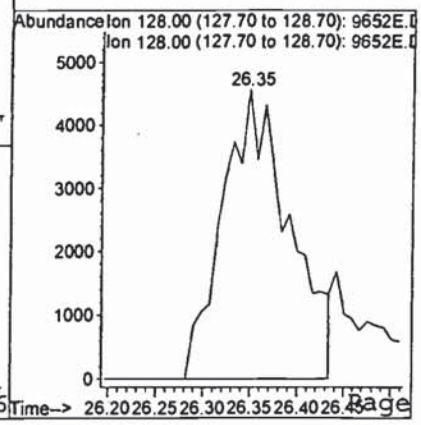


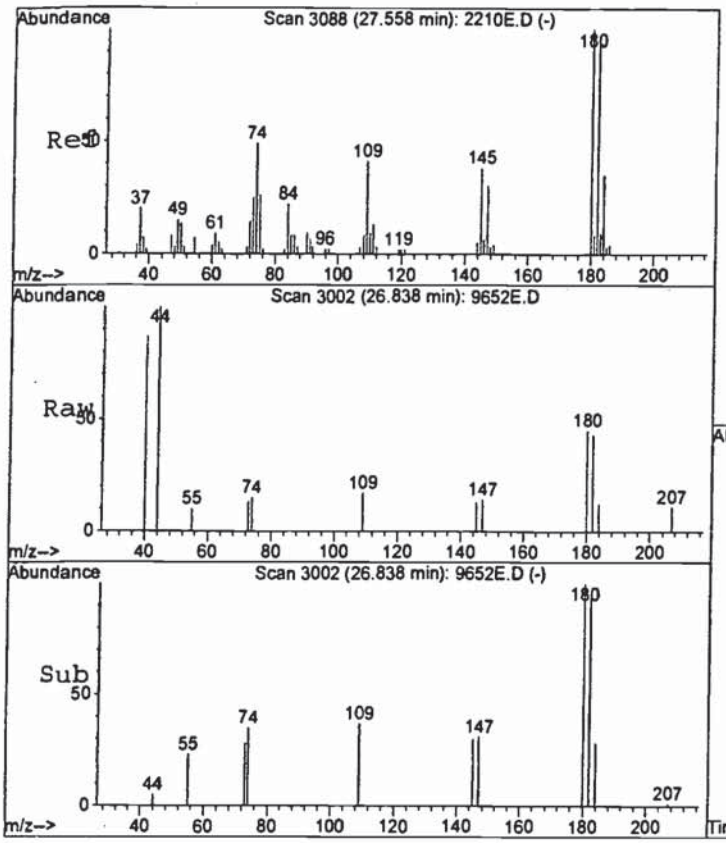


#82
Naphthalene
Concen: 1.18 UG/L
RT: 26.35 min Scan# 2944
Delta R.T. 0.02 min
Lab File: 9652E.D
Acq: 19 Oct 06 7:55

Tgt Ion:128 Resp: 22386

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0

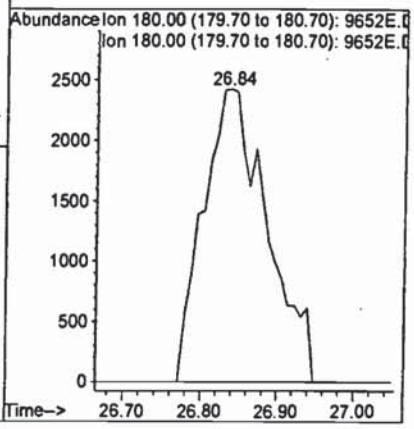




#84
1,2,3-Trichlorobenzene
Concen: 1.23 UG/L
RT: 26.84 min Scan# 3002
Delta R.T. 0.02 min
Lab File: 9652E.D
Acq: 19 Oct 06 7:55

Tgt Ion:180 Resp: 14065

Ion	Ratio	Lower	Upper
180	100		
180	100.0	80.0	120.0

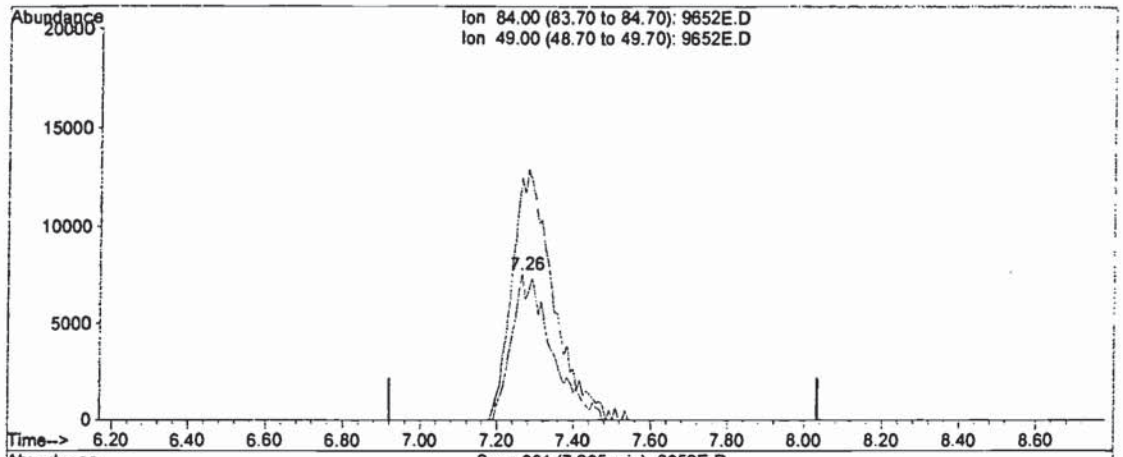


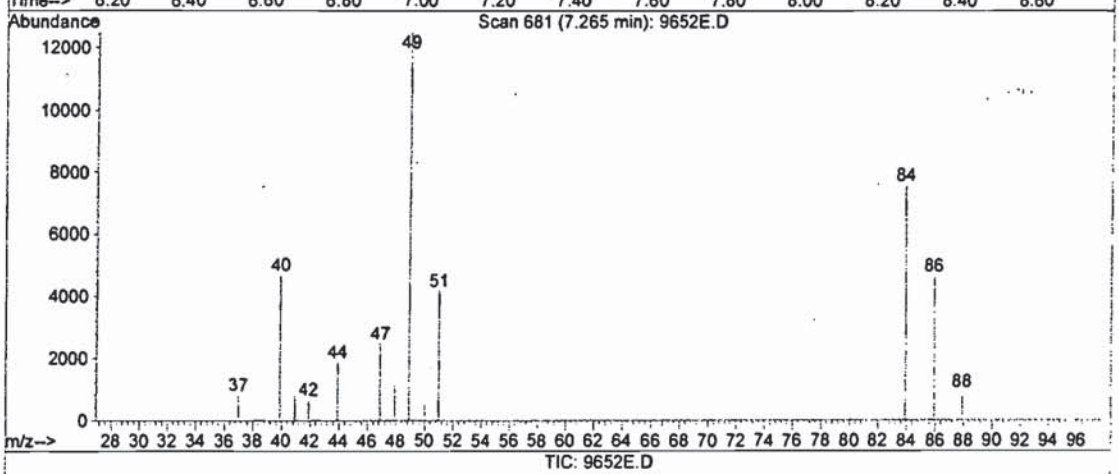
Quantitation Report

Data File : E:\DATA\E101906\9652E.D
Acq On : 19 Oct 06 7:55
Sample : VBLK
Misc : 10/19/06
Quant Time: Oct 20 7:44 19106

Vial: 10
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : E:\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





TIC: 9652E.D

(13) Methylene Chloride

7.26min 3131.04UG/L m

response 54766

Ion	Exp%	Act%
84.00	100	100
49.00	153.90	176.98
0.00	0.00	0.00
0.00	0.00	0.00

R510775 Heritage Environmental Services, LLC Q1894338

QC Report

QCType BLA01 Duplicate SampleID DataFile 9701E.D
Date Entered 27Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 26Oct06 06:57:00 Method 309 Matrix 1 Units ug/L

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
300	DICHLORODIFLUOROMETHANE			5.0	BDL		
236	CHLOROMETHANE			5.0	BDL		
768	VINYL CHLORIDE			5.0	BDL		
198	BROMOMETHANE			5.0	BDL		
234	CHLOROETHANE			5.0	BDL		
372	TRICHLOROFLUOROMETHANE			5.0	BDL		
105	ACROLEIN			50.	BDL		
305	DIETHYL ETHER			5.0	BDL		
5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			5.0	BDL		
99	ACETONE (2-PROPANONE)			10.	BDL		
8	1,1-DICHLOROETHENE			5.0	BDL		
302	DICHLOROMETHANE (METHYLENE CHLORIDE)			5.0	BDL		
106	ACRYLONITRILE			70.	BDL		
216	CARBON DISULFIDE			5.0	BDL		
767	VINYL ACETATE			5.0	BDL		
746	TRANS-1,2-DICHLOROETHENE			5.0	BDL		
7	1,1-DICHLOROETHANE			5.0	BDL		
859	METHYL-T-BUTYL ETHER (MTBE)			5.0	BDL		
860	DI-ISOPROPYL ETHER (IPE)			5.0	BDL		
52	2-BUTANONE			10.	BDL		
348	ETHYL ACETATE			5.0	BDL		
246	CIS-1,2-DICHLOROETHENE			5.0	BDL		
235	CHLOROFORM			5.0	BDL		
194	BROMOCHLOROMETHANE			5.0	BDL		
709	TETRAHYDROFURAN			25.	BDL		
2	1,1,1-TRICHLOROETHANE			5.0	BDL		
422	IODOMETHANE			5.0	BDL		
10	1,1-DICHLOROPROPENE			5.0	BDL		
217	CARBON TETRACHLORIDE			5.0	BDL		
21	1,2-DICHLOROETHANE			5.0	BDL		
1525	2-BUTANOL			1000	BDL		
151	BENZENE			5.0	BDL		
517	N-BUTANOL			1000	BDL		
750	TRICHLOROETHENE			5.0	BDL		
23	1,2-DICHLOROPROPANE			5.0	BDL		
299	DICHLOROBROMOMETHANE			5.0	BDL		
296	DIBROMOMETHANE			5.0	BDL		
91	4-METHYL-2-PENTANONE			10.	BDL		
247	CIS-1,3-DICHLOROPROPENE			5.0	BDL		
724	TOLUENE			5.0	BDL		
747	TRANS-1,3-DICHLOROPROPENE			5.0	BDL		
4	1,1,2-TRICHLOROETHANE			5.0	BDL		
18	1,2-DIBROMOETHANE (EDB)			5.0	BDL		
60	2-HEXANONE			10.	BDL		

10/27/06

R510775 Heritage Environmental Services, LLC Q1894338

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
27	1,3-DICHLOROPROPANE			5.0	BDL		
703	TETRACHLOROETHENE			5.0	BDL		
295	DIBROMOCHLOROMETHANE			5.0	BDL		
231	CHLOROBENZENE			5.0	BDL		
1	1,1,1,2-TETRACHLOROETHANE			5.0	BDL		
349	ETHYL BENZENE			5.0	BDL		
492	M/P-XYLENE			5.0	BDL		
549	O-XYLENE			5.0	BDL		
680	STYRENE			5.0	BDL		
197	BROMOFORM			5.0	BDL		
432	ISOPROPYLBENZENE (CUMENE)			5.0	BDL		
3	1,1,2,2-TETRACHLOROETHANE			5.0	BDL		
193	BROMOBENZENE			5.0	BDL		
14	1,2,3-TRICHLOROPROPANE			5.0	BDL		
532	N-PROPYLBENZENE			5.0	BDL		
25	1,3,5-TRIMETHYLBENZENE			5.0	BDL		
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)			5.0	BDL		
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)			5.0	BDL		
702	TERT-BUTYLBENZENE			5.0	BDL		
17	1,2,4-TRIMETHYLBENZENE			5.0	BDL		
644	SEC-BUTYLBENZENE			5.0	BDL		
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)			5.0	BDL		
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)			5.0	BDL		
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)			5.0	BDL		
519	N-BUTYLBENZENE			5.0	BDL		
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)			5.0	BDL		
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)			5.0	BDL		
16	1,2,4-TRICHLOROBENZENE			5.0	BDL		
493	NAPHTHALENE			5.0	BDL		
398	HEXACHLOROBUTADIENE			5.0	BDL		
13	1,2,3-TRICHLOROBENZENE			5.0	BDL		
54	2-CHLOROETHYLVINYLETHER			5.0	BDL		
301	DICHLOROETHANE-D4					104	
726	TOLUENE-D8					114	
3362	DIBROMOFLUOROMETHANE					111	
196	4-BROMOFLUOROBENZENE					134	

Comment Blank is acceptable for medium level soils with a detection limit multiplier of 0.125 and units of mg/kg.

Qualifiers

BDL Below Detection Limit

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9701E.D
Acq On : 26 Oct 06 6:57
Sample : VBLK
Misc : 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 7:28 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Q1894338

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1733376m	50.00	UG/L	0.06
51) CHLOROBENZENE-d5	18.53	117	1579249	50.00	UG/L	0.06
63) 1,4-Dichlorobenzene-d4	22.59	152	1077412	50.00	UG/L	0.04
System Monitoring Compounds						
31) 1,2-Dichloroethane-d4	11.22	65	730026	51.91	UG/L	0.07
Spiked Amount 50.000	Range 40 - 60		Recovery	=	103.82%#	
44) Toluene-d8	15.34	98	1754716	56.92	UG/L	0.08
Spiked Amount 50.000	Range 44 - 55		Recovery	=	113.84%#	
47) Dibromofluoromethane	10.53	113	1225699	55.35	UG/L	0.07
Spiked Amount 50.000			Recovery	=	110.70%	
50) 4-Bromofluorobenzene	20.70	95	1692618m	66.85	UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery	=	133.70%#	

Target Compounds						Qvalue
5) Bromomethane	0.00	94	0	198.15	UG/L	0
13) Methylene Chloride	7.30	84	25879	3133.15	UG/L #	1
15) Carbon Disulfide	6.89	76	17662	1364.24	UG/L #	73
22) Ethyl Acetate	0.00	88	0	1.64	UG/L	0
36) N-Butanol	12.42	43	307	1.15	UG/L	100
82) Naphthalene	26.41	128	27397	1.12	UG/L	100

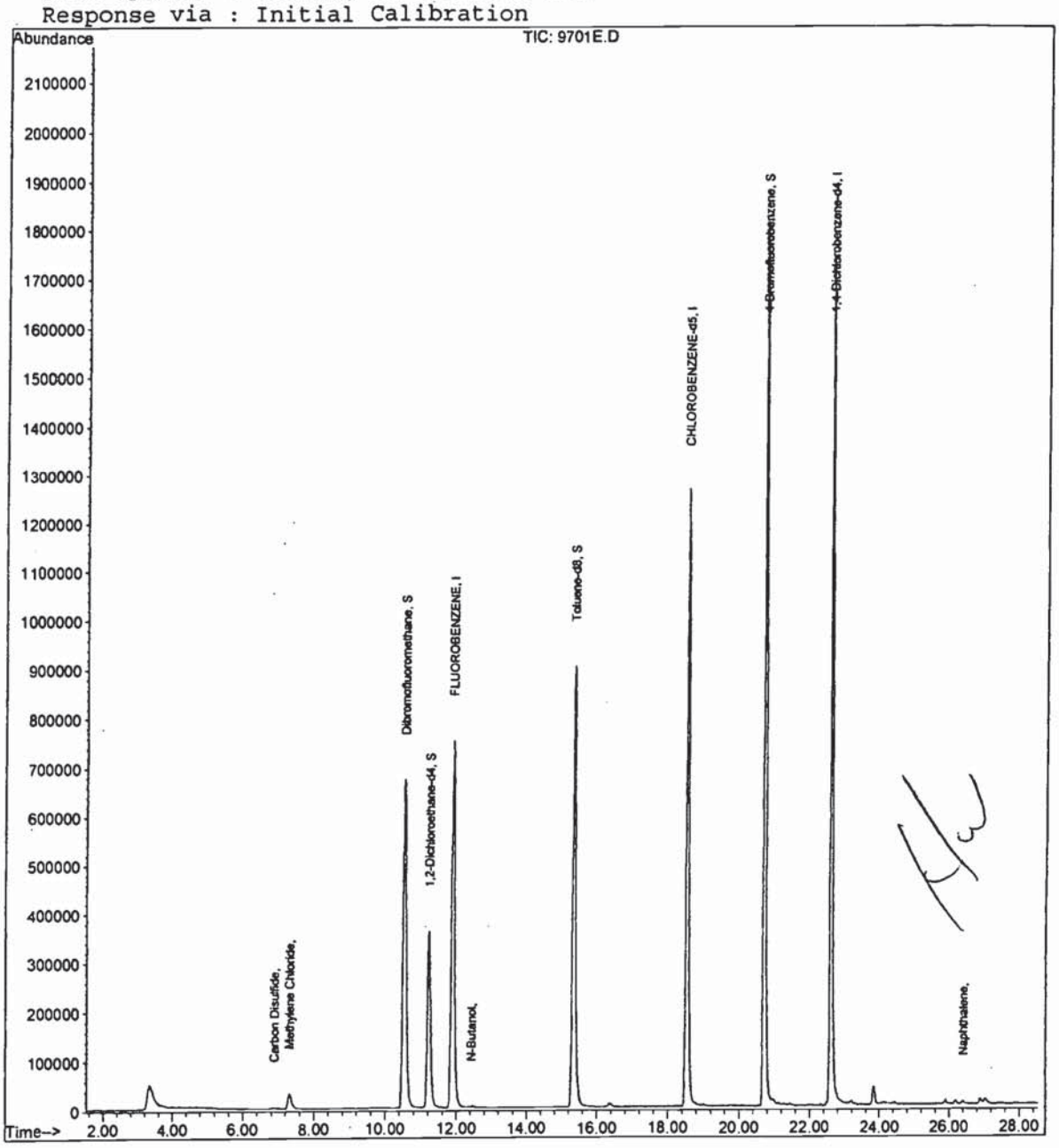
(#) = qualifier out of range (m) = manual integration

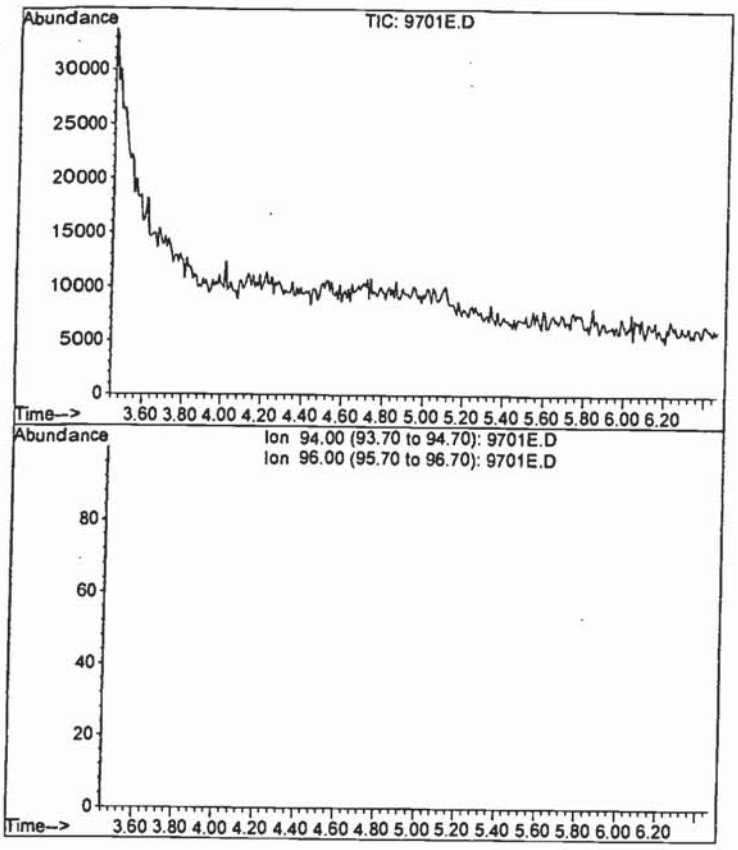
Quantitation Report

Data File : C:\HPCHEM\DATA\E102606\9701E.D
Acq On : 26 Oct 06 6:57
Sample : VBLK
Misc : 10/26/06
MS Integration Params: rteint.p
Quant Time: Oct 26 7:28 2006

Vial: 17
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



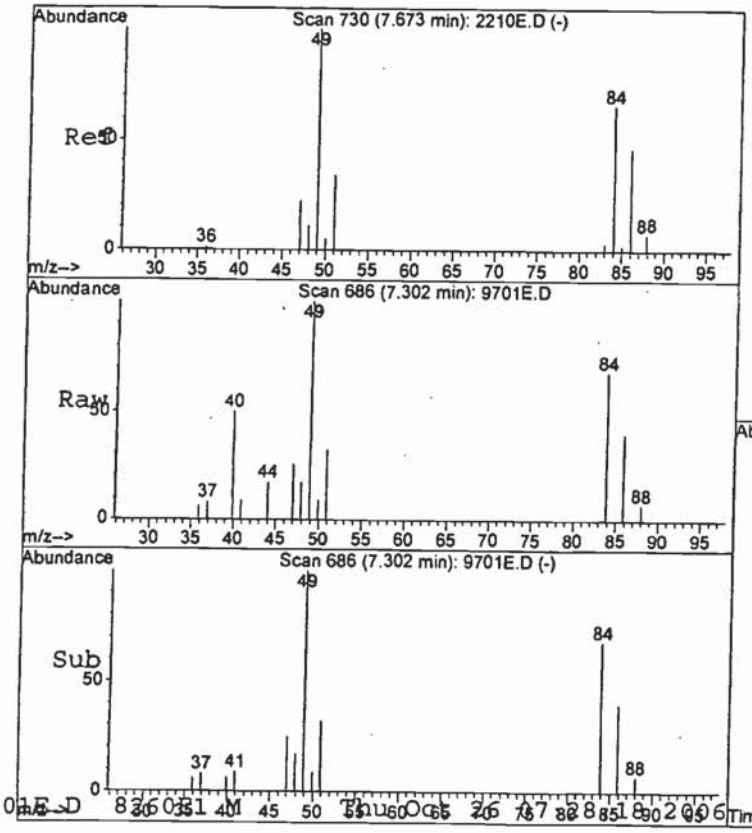


#5
Bromomethane
Concen: 198.15 UG/L
Expected RT: 4.77 min

Lab File: 9701E.D
Acq: 26 Oct 06 6:57

Tgt Ion: 94

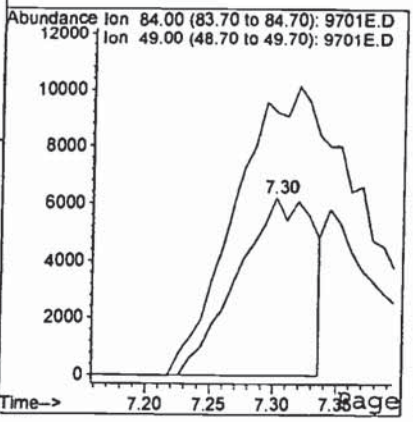
Sig	Exp Ratio
94	100
96	96.8

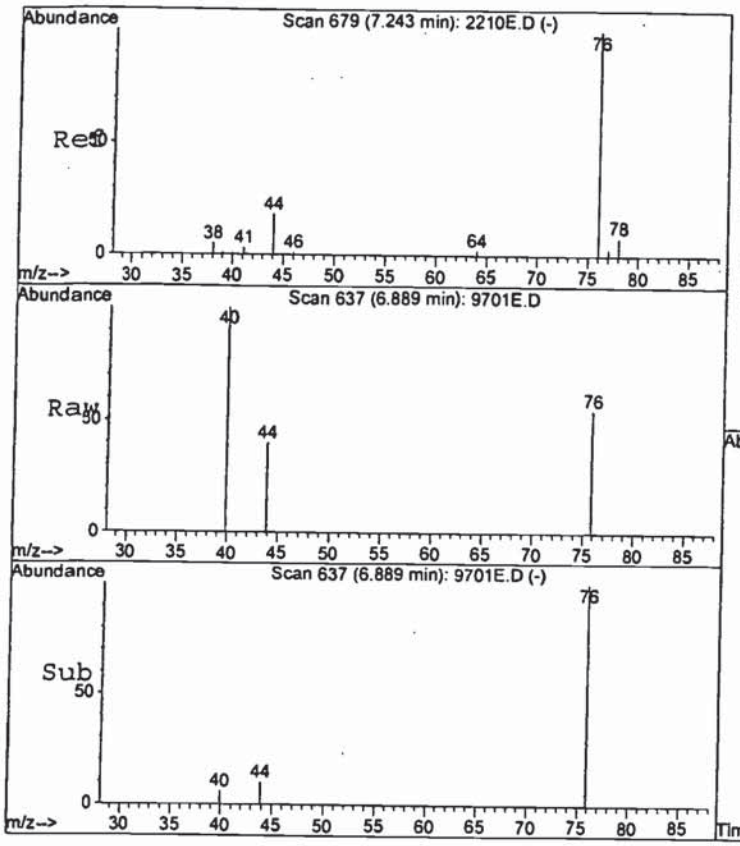


#13
Methylene Chloride
Concen: 3133.15 UG/L
RT: 7.30 min Scan# 686
Delta R.T. 0.07 min
Lab File: 9701E.D
Acq: 26 Oct 06 6:57

Tgt Ion: 84 Resp: 25879

Ion	Ratio	Lower	Upper
84	100		
49	300.2	123.1	184.7#

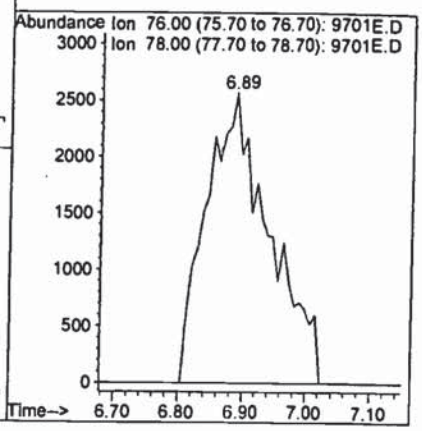


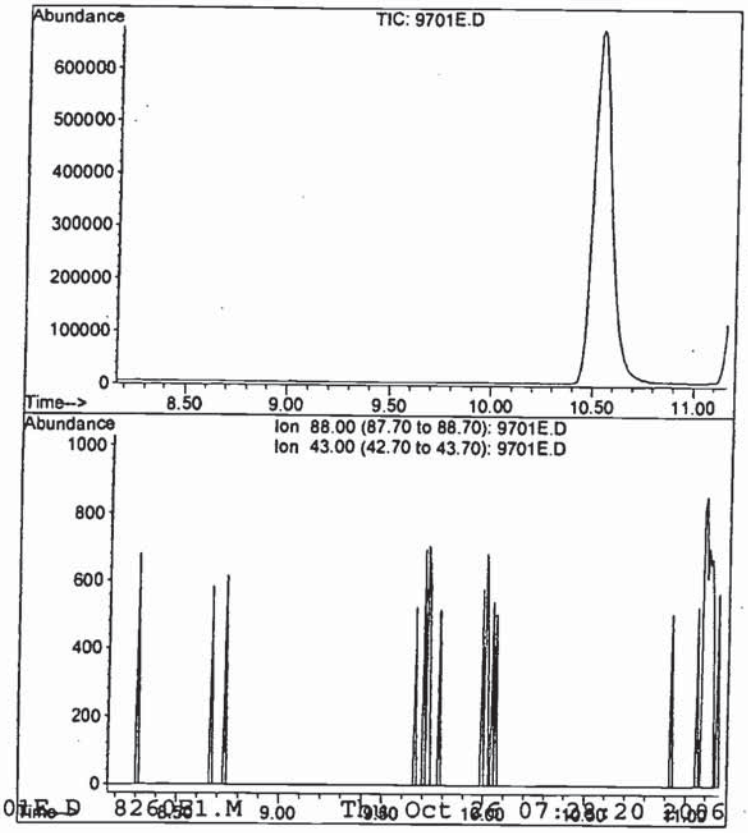


#15
Carbon Disulfide
Concen: 1364.24 UG/L
RT: 6.89 min Scan# 637
Delta R.T. 0.08 min
Lab File: 9701E.D
Acq: 26 Oct 06 6:57

Tgt Ion: 76 Resp: 17662

Ion	Ratio	Lower	Upper
76	100		
78	0.0	8.2	12.2#



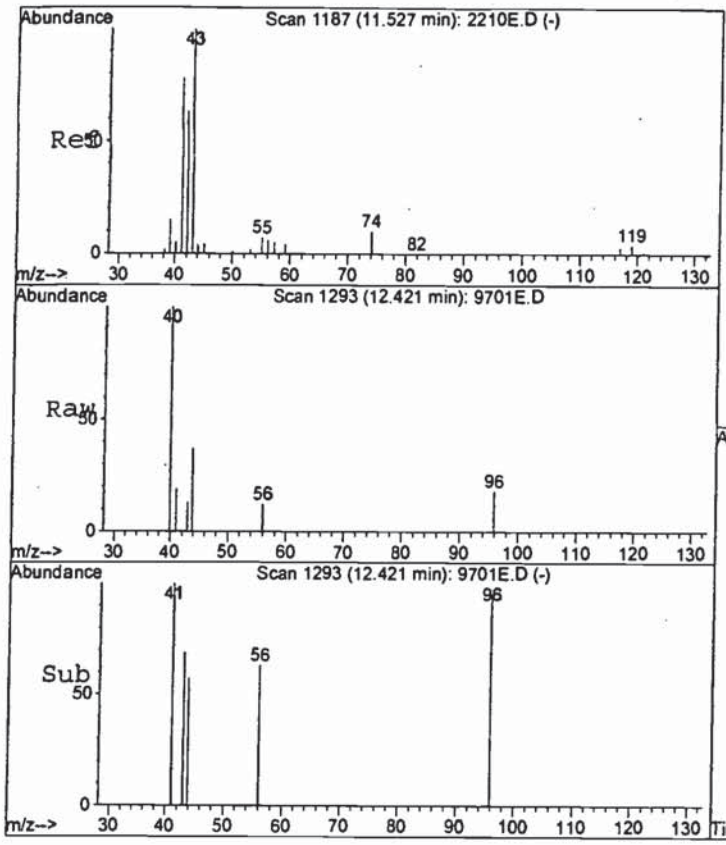


#22
Ethyl Acetate
Concen: 1.64 UG/L
Expected RT: 9.66 min

Lab File: 9701E.D
Acq: 26 Oct 06 6:57

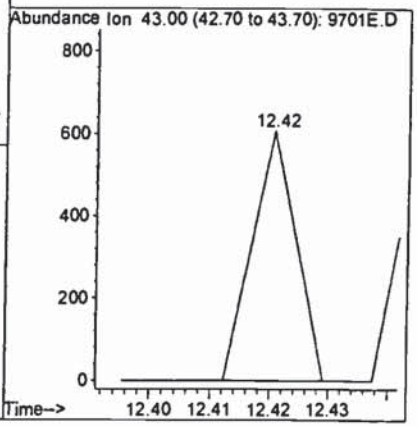
Tgt Ion: 88

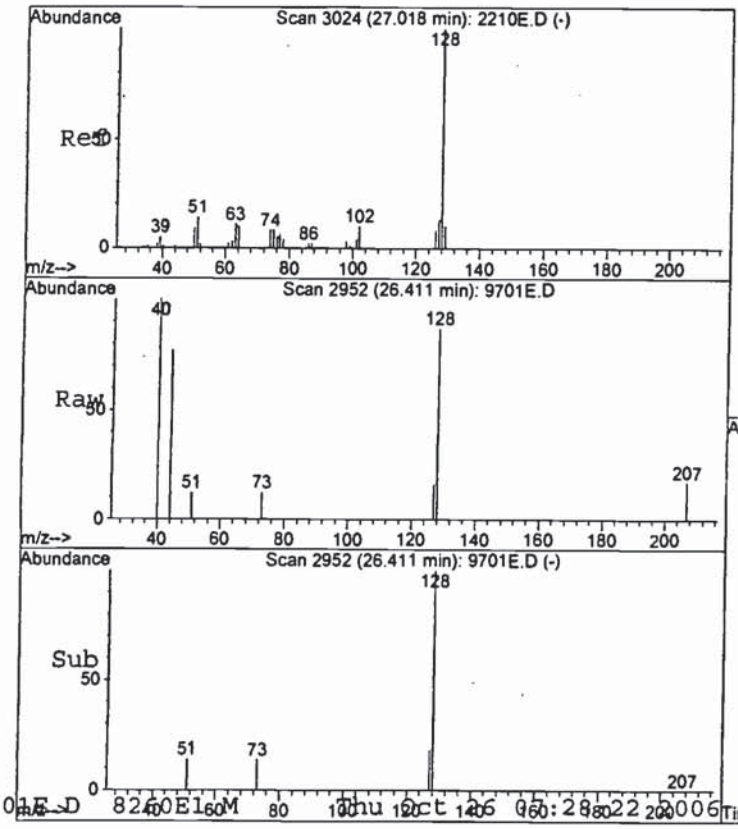
Sig	Exp Ratio
88	100
43	0.0



#36
N-Butanol
Concen: 1.15 UG/L
RT: 12.42 min Scan# 1293
Delta R.T. 0.05 min
Lab File: 9701E.D
Acq: 26 Oct 06 6:57

Tgt Ion: 43 Resp: 307

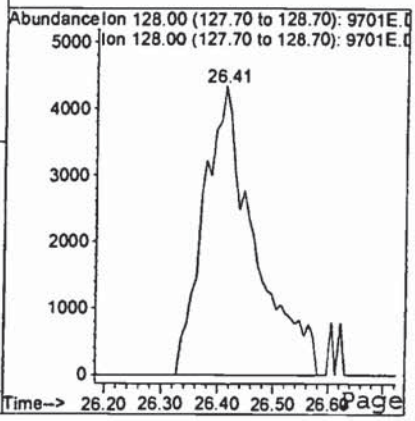




#82
Naphthalene
Concen: 1.12 UG/L
RT: 26.41 min Scan# 2952
Delta R.T. 0.08 min
Lab File: 9701E.D
Acq: 26 Oct 06 6:57

Tgt Ion:128 Resp: 27397

Ion	Ratio	Lower	Upper
128	100		
128	100.0	80.0	120.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.92	96	1620379	50.00 UG/L	0.10
51) CHLOROBENZENE-d5	18.55	117	1386650	50.00 UG/L	0.08
63) 1,4-Dichlorobenzene-d4	22.61	152	871944	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.24	65	636084	48.38 UG/L	0.09
Spiked Amount 50.000	Range 40 - 60		Recovery = 96.76%#		
44) Toluene-d8	15.35	98	1538661	53.39 UG/L	0.09
Spiked Amount 50.000	Range 44 - 55		Recovery = 106.78%#		
47) Dibromofluoromethane	10.55	113	1076978	52.03 UG/L	0.09
Spiked Amount 50.000			Recovery = 104.06%		
50) 4-Bromofluorobenzene	20.71	95	1446314	61.10 UG/L	0.05
Spiked Amount 50.000	Range 43 - 58		Recovery = 122.20%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.69	85	169172	10.27 UG/L	100
3) Chloromethane	4.08	50	219868	16.36 UG/L	100
4) VINYL CHLORIDE	4.26	62	229694	18.36 UG/L	98
5) Bromomethane	4.88	94	200838	20.88 UG/L	98
6) Chloroethane	5.05	64	144647m	22.28 UG/L	24
7) Trichlorofluoromethane	5.54	101	408064	22.52 UG/L	98
8) Acrolein	7.82	56	40960	117.71 UG/L	100
9) Diethyl Ether	6.05	59	188595	24.29 UG/L	100
10) Trichlorotrifluoroethane	6.46	101	503045	24.86 UG/L #	100
11) Acetone	6.57	43	110086m	25.90 UG/L	44
12) 1,1-DICHLOROETHENE	6.47	96	253942	24.28 UG/L	100
13) Methylene Chloride	7.33	84	364543	23.87 UG/L	84
14) Acrylonitrile	7.78	53	796341	265.45 UG/L	100
15) Carbon Disulfide	6.90	76	840710	21.92 UG/L	98
16) Vinyl Acetate	7.82	43	246743	24.78 UG/L	100
17) trans-1,2-Dichloroethene	7.82	96	291858	25.03 UG/L #	72
18) 1,1-Dichloroethane	8.58	63	617408	23.10 UG/L	100
19) Methyl-t-butyl Ether	7.83	73	594911	25.64 UG/L	100
20) Diispropyl Ether	8.68	45	1459747	22.70 UG/L	100
21) 2-Butanone	9.75	43	650628	23.67 UG/L #	59
22) Ethyl Acetate	9.76	88	7586	17.55 UG/L #	100
23) cis-1,2-Dichloroethene	9.66	96	322257	25.35 UG/L #	47

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.24	83	619995	24.48 UG/L	98
25) Bromochloromethane	10.12	128	221150	25.42 UG/L	84
26) 2,2-Dichloropropane	9.67	77	413806	24.24 UG/L #	100
27) Tetrahydrofuran	10.21	42	304017	119.22 UG/L	100
28) 1,1,1-Trichloroethane	10.62	97	463938	24.87 UG/L #	100
29) Iodomethane	6.77	142	639216	22.38 UG/L	100
30) 1,1-Dichloropropene	10.95	75	468446	24.82 UG/L #	100
32) Carbon Tetrachloride	10.97	117	415465	24.33 UG/L	91
33) 1,2-Dichloroethane	11.40	62	422518	24.14 UG/L #	100
34) Isobutanol	11.11	43	2352263	4667.48 UG/L	100
35) Benzene	11.36	78	727638	24.72 UG/L	100
36) N-Butanol	12.46	43	833614	3331.46 UG/L	100
37) Trichloroethene	12.66	130	356782	26.42 UG/L	98
38) 1,2-DICHLOROPROPANE	13.16	63	414743	23.19 UG/L	100
39) Bromodichloromethane	13.72	83	674810	25.02 UG/L	99
40) Dibromomethane	13.41	93	371532	25.20 UG/L	99
41) 2-Chloroethylvinylether	14.37	63	212941	23.81 UG/L #	100
42) 4-Methyl-2-Pentanone	15.06	43	515012	23.09 UG/L	91
43) cis-1,3-Dichloropropene	14.72	75	518836	23.85 UG/L	100
45) TOLUENE	15.51	91	794695	24.91 UG/L	100
46) trans-1,3-Dichloropropene	16.00	75	412567	24.28 UG/L	100
48) 1,1,2-Trichloroethane	16.46	97	324149	26.27 UG/L	100
49) 1,2-Dibromoethane	17.60	107	490101	26.15 UG/L #	100
52) 2-Hexanone	17.00	43	365488	19.31 UG/L #	91
53) 1,3-Dichloropropane	16.83	76	500293	20.36 UG/L	100
54) Tetrachloroethene	16.78	166	446717	22.73 UG/L	96
55) Dibromochloromethane	17.34	129	531558	21.16 UG/L	100
56) Chlorobenzene	18.61	112	589576	21.10 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.76	131	352183	22.33 UG/L	100
58) ETHYL BENZENE	18.80	106	263234	22.18 UG/L	96
59) m,p-Xylene	19.04	106	614970	45.15 UG/L	78
60) o-Xylene	19.79	106	312913	22.68 UG/L	83
61) Styrene	19.81	104	503053	22.19 UG/L #	40
62) Bromoform	20.15	173	496709	22.59 UG/L	100
64) Isopropylbenzene	20.44	105	789001	19.49 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.96	83	603440	20.24 UG/L #	100
66) Bromobenzene	20.99	77	936802	19.42 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9633E.D Vial: 1
Acq On : 17 Oct 06 9:37 Operator: REGI
Sample : DI MS Inst : GC/MS Ins
Misc : 10/17/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 10:32 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.03	110	121868	20.67 UG/L	100
68) n-Propylbenzene	21.15	92	123669	19.47 UG/L	78
69) 1,3,5-Trimethylbenzene	21.44	105	612038	20.71 UG/L	100
70) 2-Chlorotoluene	21.31	126	231279	19.45 UG/L	100
71) 4-Chlorotoluene	21.49	126	228184	20.60 UG/L	100
72) t-Butylbenzene	21.97	119	689968	20.70 UG/L	100
73) 1,2,4-Trimethylbenzene	22.05	105	586315	20.53 UG/L	100
74) sec-Butylbenzene	22.32	105	966257	20.31 UG/L	100
75) p-Isopropyltoluene	22.54	119	632066	22.07 UG/L	100
76) 1,3-Dichlorobenzene	22.51	146	496146	21.76 UG/L	100
77) 1,4-Dichlorobenzene	22.51	146	496146	20.87 UG/L	100
78) n-Butylbenzene	23.16	92	400321	20.93 UG/L	95
79) 1,2-Dichlorobenzene	23.23	146	496751	21.19 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.46	157	152952	20.77 UG/L	100
81) 1,2,4-Trichlorobenzene	25.92	180	318543	24.72 UG/L	100
82) Naphthalene	26.42	128	494293	25.01 UG/L	100
83) Hexachlorobutadiene	26.21	225	327837	22.55 UG/L	100
84) 1,2,3-Trichlorobenzene	26.91	180	306777	25.82 UG/L	100

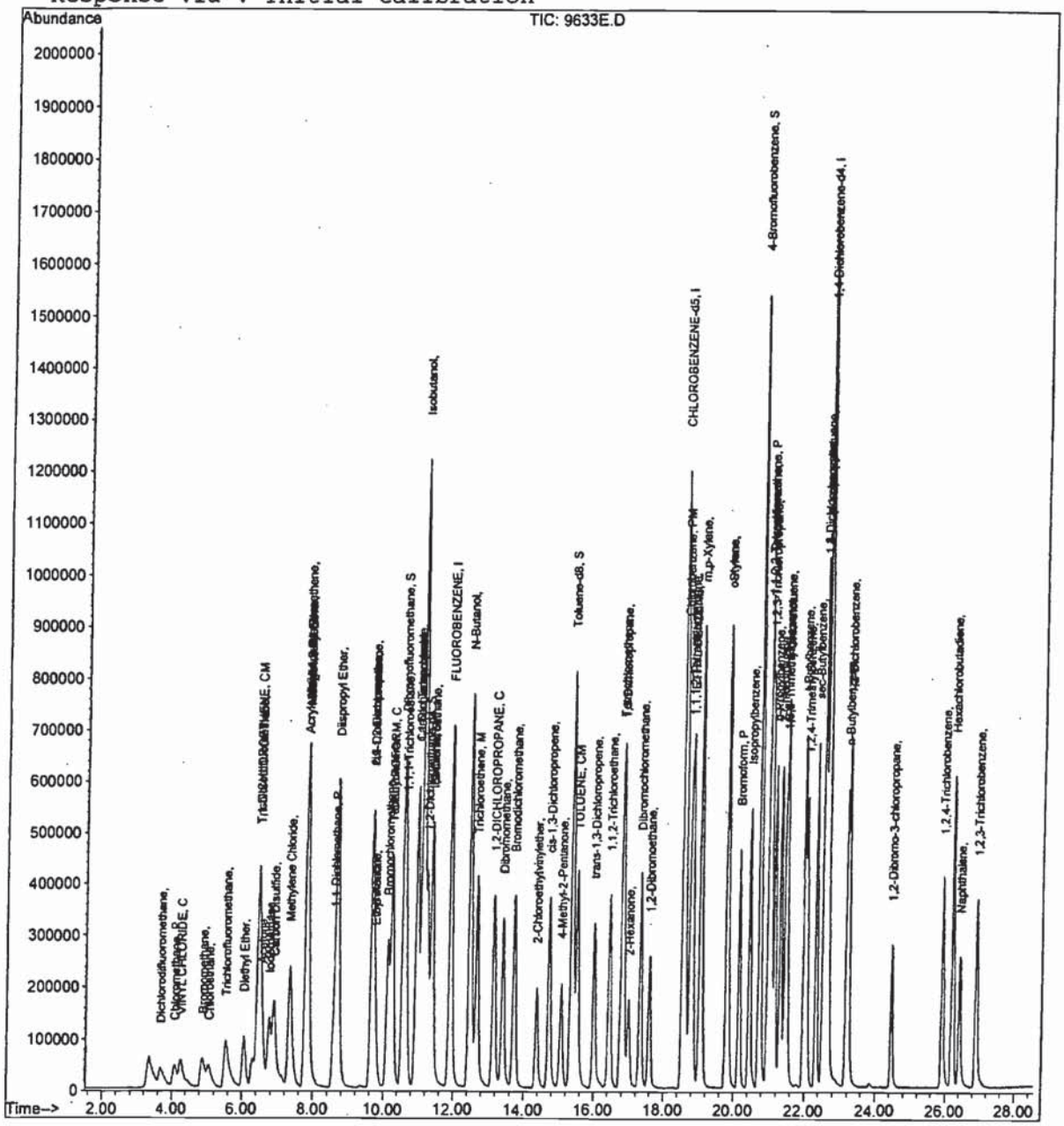
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

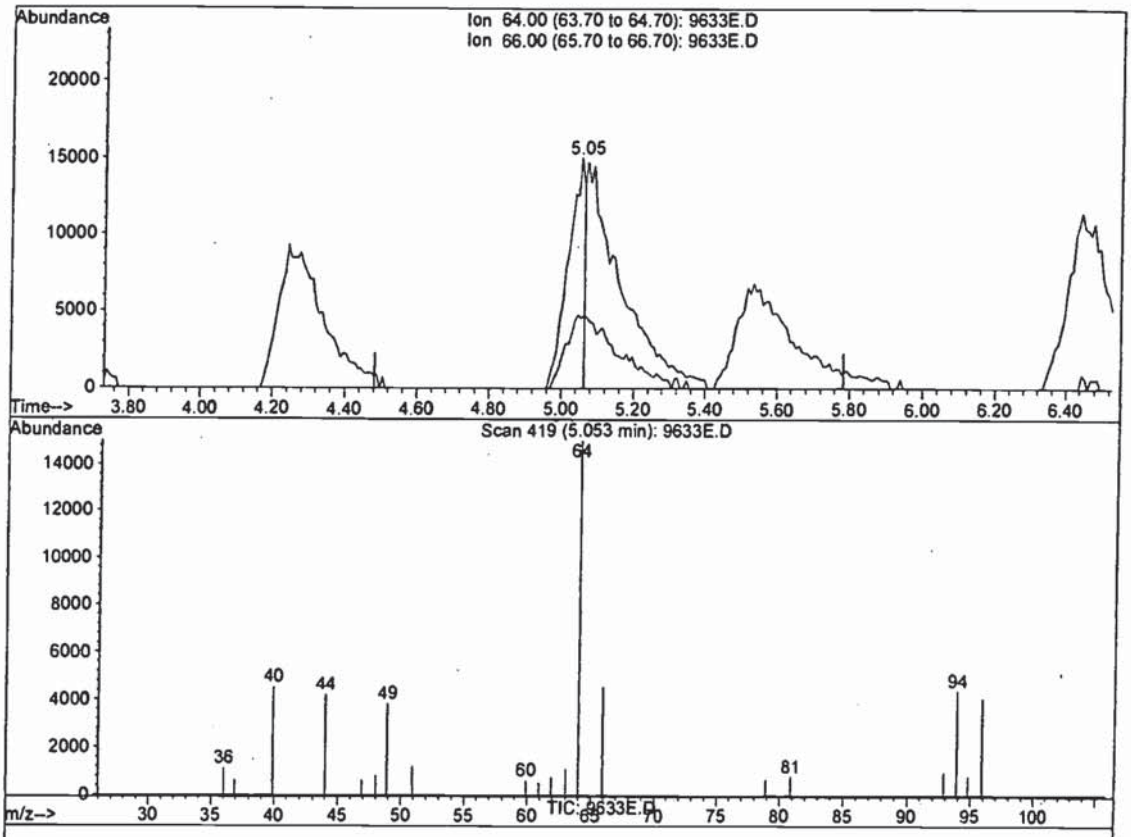


Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
Quant Time: Oct 17 10:06 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

5.05min 7.45UG/L

response 48389

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	77.94#
0.00	0.00	0.00
0.00	0.00	0.00

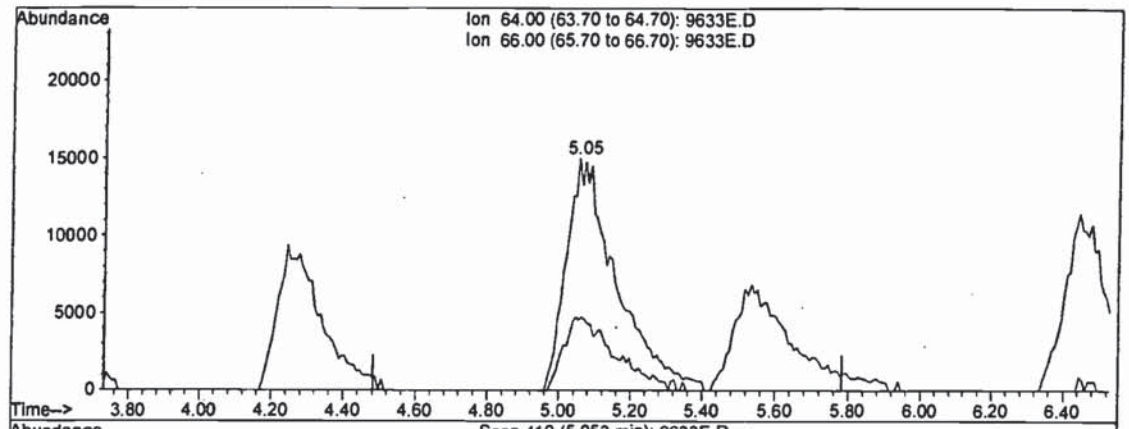
9633E.D 8260E1.M Tue Oct 17 10:32:31 2006

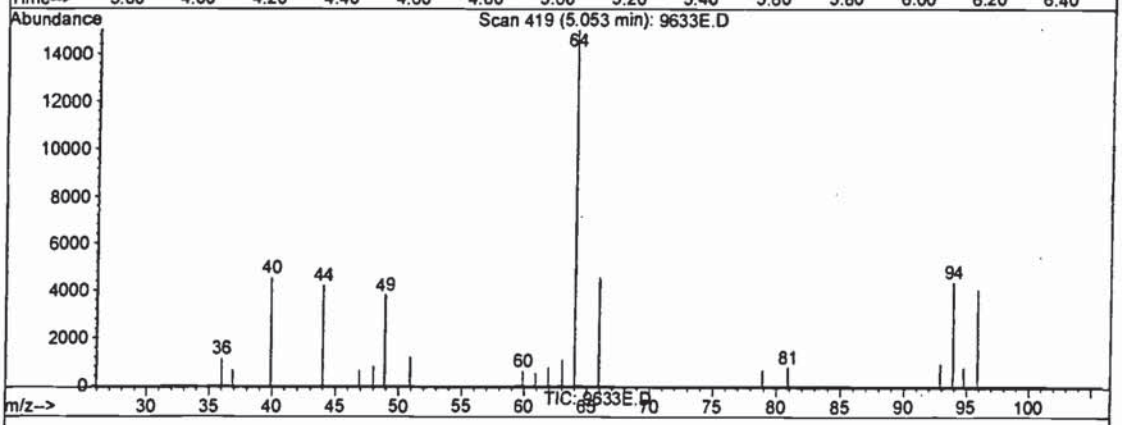
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(6) Chloroethane

5.05min 22.28UG/L m

response 144647

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	26.07#
0.00	0.00	0.00
0.00	0.00	0.00

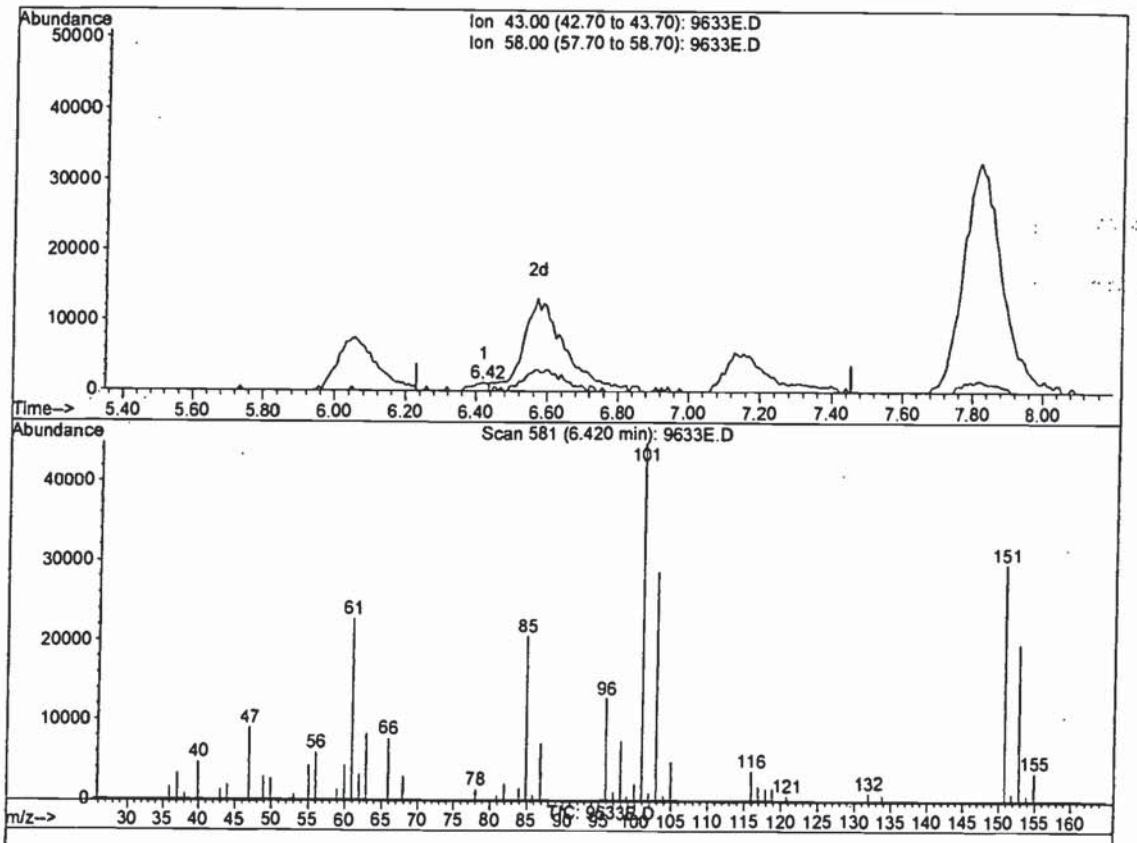
9633E.D 8260E1.M Tue Oct 17 10:32:38 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(11) Acetone

6.42min 0.89UG/L

response 3769

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

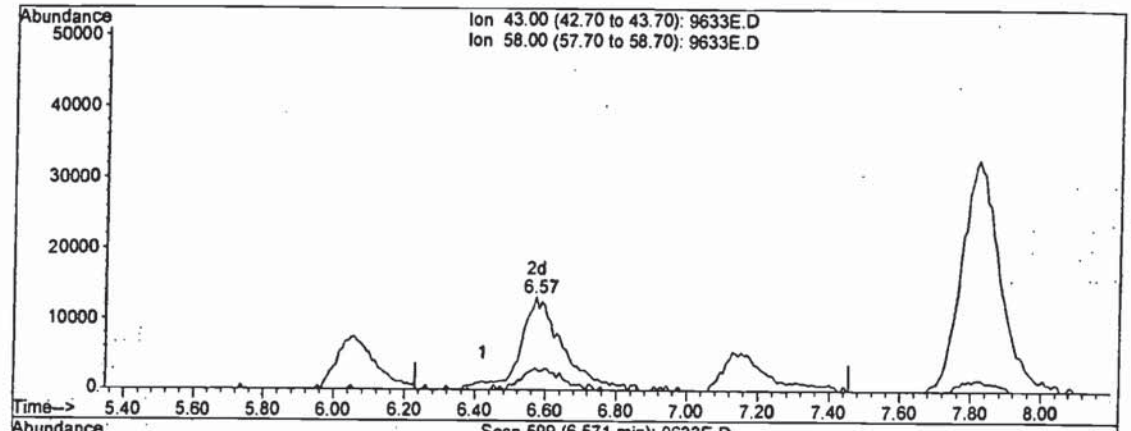
9633E.D 8260E1.M Tue Oct 17 10:32:45 2006

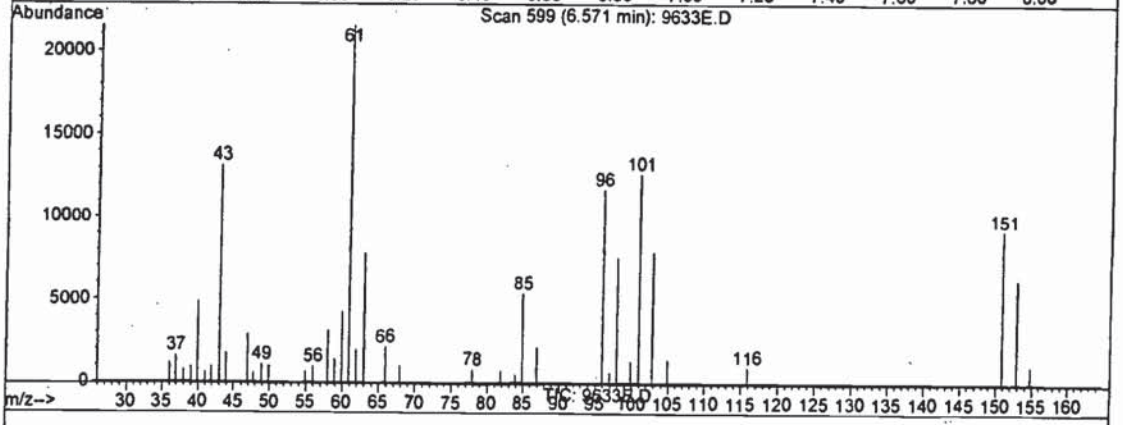
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9633E.D
Acq On : 17 Oct 06 9:37
Sample : DI MS
Misc : 10/17/06
Quant Time: Oct 17 10:32 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(11) Acetone

6.57min 25.90UG/L m

response 110086

Ion	Exp%	Act%
43.00	100	100
58.00	30.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

9633E.D 8260E1.M Tue Oct 17 10:32:53 2006

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9654E.D
Acq On : 19 Oct 06 9:20
Sample : LCS # 333-~~4~~5 MyF 10/24/06
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 19 9:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.85	96	1796128	50.00 UG/L	0.02
51) CHLOROBENZENE-d5	18.49	117	1304459	50.00 UG/L	0.02
63) 1,4-Dichlorobenzene-d4	22.57	152	803985	50.00 UG/L	0.02
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.18	65	717173	49.21 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.42%#		
44) Toluene-d8	15.29	98	1619883	50.71 UG/L	0.02
Spiked Amount 50.000	Range 44 - 55		Recovery = 101.42%#		
47) Dibromofluoromethane	10.50	113	1166389	50.84 UG/L	0.03
Spiked Amount 50.000			Recovery = 101.68%		
50) 4-Bromofluorobenzene	20.68	95	1393183	53.10 UG/L	0.02
Spiked Amount 50.000	Range 43 - 58		Recovery = 106.20%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	142177	7.79 UG/L	100
3) Chloromethane	4.06	50	199785	13.41 UG/L	100
4) VINYL CHLORIDE	4.21	62	216072	15.58 UG/L	100
5) Bromomethane	4.83	94	206766	19.14 UG/L	98
6) Chloroethane	5.02	64	140444	19.51 UG/L #	70
7) Trichlorofluoromethane	5.50	101	432050	21.51 UG/L	87
8) Acrolein	7.77	56	41730m	108.19 UG/L	100
9) Diethyl Ether	6.00	59	191902	22.30 UG/L	100
10) Trichlorotrifluoroethane	6.40	101	529459	23.61 UG/L #	100
11) Acetone	6.52	43	100027m	21.23 UG/L	83
12) 1,1-DICHLOROETHENE	6.43	96	255703	22.06 UG/L	100
13) Methylene Chloride	7.28	84	350290	19.81 UG/L	83
14) Acrylonitrile	7.77	53	9541	2.87 UG/L	100
15) Carbon Disulfide	6.85	76	845650	19.67 UG/L	99
16) Vinyl Acetate	7.77	43	258416	23.41 UG/L	100
17) trans-1,2-Dichloroethene	7.77	96	309573	23.95 UG/L #	72
18) 1,1-Dichloroethane	8.53	63	645928	21.80 UG/L	100
19) Methyl-t-butyl Ether	7.76	73	607774	23.63 UG/L	100
20) Diispropyl Ether	8.63	45	1525195	21.40 UG/L	100
21) 2-Butanone	9.70	43	645019	21.17 UG/L #	59
22) Ethyl Acetate	9.71	88	11278m	23.09 UG/L	100
23) cis-1,2-Dichloroethene	9.60	96	335533	23.81 UG/L #	44

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9654E.D Vial: 1
Acq On : 19 Oct 06 9:20 Operator: HAROLD
Sample : LCS # 333-~~4~~5 Inst : GC/MS Ins
Misc : 10/24/06 MYF Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 9:55 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.19	83	653961	23.30 UG/L	97
25) Bromochloromethane	10.06	128	232741	24.14 UG/L	84
26) 2,2-Dichloropropane	9.61	77	432368	22.85 UG/L #	100
27) Tetrahydrofuran	10.16	42	297362	105.20 UG/L	100
28) 1,1,1-Trichloroethane	10.56	97	487105	23.56 UG/L #	100
29) Iodomethane	6.70	142	694683	21.95 UG/L	100
30) 1,1-Dichloropropene	10.89	75	492352	23.54 UG/L #	100
32) Carbon Tetrachloride	10.90	117	449548	23.75 UG/L	93
33) 1,2-Dichloroethane	11.33	62	445206	22.95 UG/L #	100
34) Isobutanol	11.06	43	2242182	4013.72 UG/L	100
35) Benzene	11.32	78	765666	23.47 UG/L	100
36) N-Butanol	12.40	43	807966	2913.01 UG/L	100
37) Trichloroethene	12.61	130	381935	25.52 UG/L	97
38) 1,2-DICHLOROPROPANE	13.09	63	442878	22.34 UG/L	100
39) Bromodichloromethane	13.67	83	710694	23.77 UG/L	99
40) Dibromomethane	13.34	93	389823	23.85 UG/L	98
41) 2-Chloroethylvinylether	14.31	63	226165	22.81 UG/L #	100
42) 4-Methyl-2-Pentanone	15.01	43	512565	20.73 UG/L	92
43) cis-1,3-Dichloropropene	14.66	75	551537	22.87 UG/L	100
45) TOLUENE	15.45	91	839072	23.73 UG/L	100
46) trans-1,3-Dichloropropene	15.95	75	429311	22.79 UG/L	100
48) 1,1,2-Trichloroethane	16.38	97	338306	24.73 UG/L	100
49) 1,2-Dibromoethane	17.53	107	499765	24.06 UG/L #	100
52) 2-Hexanone	16.95	43	358559	20.13 UG/L #	91
53) 1,3-Dichloropropane	16.77	76	522683	22.61 UG/L	100
54) Tetrachloroethene	16.73	166	475391	25.72 UG/L	97
55) Dibromochloromethane	17.28	129	559745	23.69 UG/L	100
56) Chlorobenzene	18.54	112	632896	24.08 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.71	131	362046	24.40 UG/L	100
58) ETHYL BENZENE	18.75	106	270593	24.23 UG/L	91
59) m,p-Xylene	18.98	106	650481	50.76 UG/L	80
60) o-Xylene	19.73	106	332769	25.64 UG/L	83
61) Styrene	19.76	104	535266	25.09 UG/L #	40
62) Bromoform	20.09	173	524019	25.34 UG/L	100
64) Isopropylbenzene	20.40	105	830015	22.24 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.90	83	613593	22.32 UG/L #	100
66) Bromobenzene	20.94	77	991700	22.29 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101906\9654E.D
Acq On : 19 Oct 06 9:20
Sample : LCS # 333-~~4~~5 10/24/06 MJF
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 19 9:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,3-Trichloropropane	20.99	110	121882	22.41 UG/L	100
68)	n-Propylbenzene	21.11	92	134401	22.95 UG/L	88
69)	1,3,5-Trimethylbenzene	21.40	105	656667	24.10 UG/L	100
70)	2-Chlorotoluene	21.28	126	251111	22.90 UG/L	100
71)	4-Chlorotoluene	21.44	126	245278	24.01 UG/L	100
72)	t-Butylbenzene	21.93	119	745317	24.24 UG/L	100
73)	1,2,4-Trimethylbenzene	22.01	105	650981	24.73 UG/L	100
74)	sec-Butylbenzene	22.28	105	1038142	23.66 UG/L	100
75)	p-Isopropyltoluene	22.50	119	690227	26.14 UG/L	100
76)	1,3-Dichlorobenzene	22.47	146	535981	25.49 UG/L	100
77)	1,4-Dichlorobenzene	22.61	146	544057	24.81 UG/L	100
78)	n-Butylbenzene	23.12	92	433746	24.59 UG/L	94
79)	1,2-Dichlorobenzene	23.19	146	532484	24.63 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.41	157	152495	22.46 UG/L	100
81)	1,2,4-Trichlorobenzene	25.85	180	358291	30.15 UG/L	100
82)	Naphthalene	26.35	128	531638	29.18 UG/L	100
83)	Hexachlorobutadiene	26.16	225	365080	27.23 UG/L	100
84)	1,2,3-Trichlorobenzene	26.83	180	345533	31.54 UG/L	100

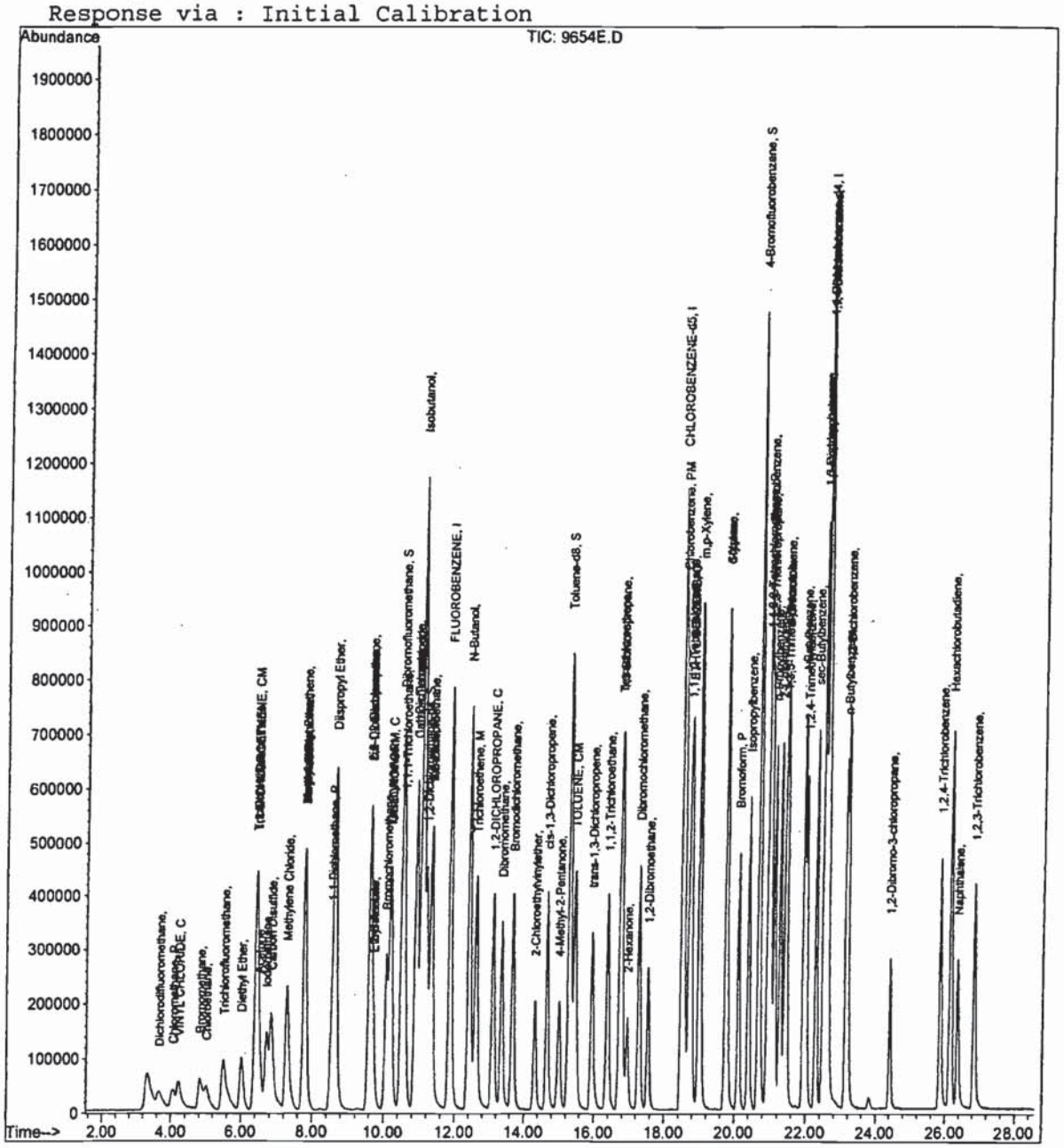
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E101906\9654E.D
Acq On : 19 Oct 06 9:20
Sample : LCS # 333-~~4~~5 10/24/06
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 19 9:55 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9703E.D
Acq On : 26 Oct 06 8:19
Sample : LCS #333-6
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 26 8:48 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.88	96	1686822	50.00 UG/L	0.06
51) CHLOROBENZENE-d5	18.52	117	1545100	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	1011308	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.22	65	726922	53.11 UG/L	0.06
Spiked Amount 50.000	Range 40 - 60		Recovery = 106.22%#		
44) Toluene-d8	15.32	98	1732687	57.76 UG/L	0.06
Spiked Amount 50.000	Range 44 - 55		Recovery = 115.52%#		
47) Dibromofluoromethane	10.53	113	1220245	56.63 UG/L	0.07
Spiked Amount 50.000			Recovery = 113.26%		
50) 4-Bromofluorobenzene	20.70	95	1689220	68.55 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 137.10%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.66	85	320187	18.67 UG/L	100
3) Chloromethane	4.07	50	225323	16.11 UG/L	100
4) VINYL CHLORIDE	4.23	62	224223	17.22 UG/L #	67
5) Bromomethane	4.86	94	219503	22.12 UG/L	98
6) Chloroethane	5.03	64	139154	20.59 UG/L	92
7) Trichlorofluoromethane	5.52	101	429028	22.75 UG/L	100
8) Acrolein	7.78	56	38213	105.49 UG/L	100
9) Diethyl Ether	6.03	59	161260	19.95 UG/L	100
10) Trichlorotrifluoroethane	6.44	101	477237	22.66 UG/L #	100
11) Acetone	6.55	43	81366	18.39 UG/L #	71
12) 1,1-DICHLOROETHENE	6.47	96	242326	22.26 UG/L	100
13) Methylene Chloride	7.32	84	305717	17.95 UG/L	86
14) Acrylonitrile	7.79	53	9187	2.94 UG/L	100
15) Carbon Disulfide	6.87	76	769898	19.00 UG/L	99
16) Vinyl Acetate	7.77	43	214126	20.65 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	267127	22.01 UG/L #	71
18) 1,1-Dichloroethane	8.56	63	553614	19.90 UG/L	100
19) Methyl-t-butyl Ether	7.80	73	508155	21.04 UG/L	100
20) Diispropyl Ether	8.65	45	1156320	17.27 UG/L	100
21) 2-Butanone	9.73	43	487444	17.04 UG/L #	59
22) Ethyl Acetate	9.75	88	10522	22.95 UG/L #	100
23) cis-1,2-Dichloroethene	9.63	96	289666	21.89 UG/L #	50

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9703E.D
Acq On : 26 Oct 06 8:19
Sample : LCS #333-6
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 26 8:48 2006

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.22	83	566273	21.48 UG/L	96
25) Bromochloromethane	10.09	128	207339	22.90 UG/L	98
26) 2,2-Dichloropropane	9.64	77	373517	21.02 UG/L #	100
27) Tetrahydrofuran	10.20	42	217610	81.97 UG/L	100
28) 1,1,1-Trichloroethane	10.60	97	430241	22.15 UG/L #	100
29) Iodomethane	6.75	142	625668	21.05 UG/L	100
30) 1,1-Dichloropropene	10.92	75	429639	21.87 UG/L #	100
32) Carbon Tetrachloride	10.93	117	407217	22.91 UG/L	90
33) 1,2-Dichloroethane	11.37	62	397767	21.83 UG/L #	100
34) Isobutanol	11.08	43	1760026	3354.77 UG/L	100
35) Benzene	11.35	78	648467	21.16 UG/L	100
36) N-Butanol	12.43	43	587896	2256.92 UG/L	100
37) Trichloroethene	12.65	130	336590	23.94 UG/L	96
38) 1,2-DICHLOROPROPANE	13.13	63	344800	18.52 UG/L	100
39) Bromodichloromethane	13.70	83	601918	21.44 UG/L	100
40) Dibromomethane	13.38	93	330270	21.52 UG/L	98
41) 2-Chloroethylvinylether	14.34	63	169480	18.20 UG/L #	100
42) 4-Methyl-2-Pentanone	15.04	43	382937	16.49 UG/L	93
43) cis-1,3-Dichloropropene	14.70	75	453807	20.04 UG/L	100
45) TOLUENE	15.47	91	707144	21.29 UG/L	100
46) trans-1,3-Dichloropropene	15.97	75	360747	20.39 UG/L	100
48) 1,1,2-Trichloroethane	16.42	97	277961	21.64 UG/L	100
49) 1,2-Dibromoethane	17.57	107	430515	22.07 UG/L #	100
52) 2-Hexanone	16.98	43	269540	12.78 UG/L #	92
53) 1,3-Dichloropropane	16.81	76	436654	15.95 UG/L	100
54) Tetrachloroethene	16.76	166	430495	19.66 UG/L	95
55) Dibromochloromethane	17.31	129	502195	17.94 UG/L	100
56) Chlorobenzene	18.58	112	546008	17.54 UG/L	94
57) 1,1,1,2-Tetrachloroethane	18.74	131	326558	18.58 UG/L	100
58) ETHYL BENZENE	18.79	106	238691	18.05 UG/L	96
59) m,p-Xylene	19.02	106	539694	35.56 UG/L #	74
60) o-Xylene	19.77	106	280531	18.25 UG/L	84
61) Styrene	19.79	104	458144	18.13 UG/L #	41
62) Bromoform	20.13	173	464942	18.98 UG/L	100
64) Isopropylbenzene	20.43	105	713529	15.20 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.94	83	502487	14.53 UG/L #	100
66) Bromobenzene	20.97	77	837154	14.96 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E102606\9703E.D
Acq On : 26 Oct 06 8:19
Sample : LCS #333-6
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 26 8:48 2006

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

Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.01	110	108223	15.82 UG/L	100
68) n-Propylbenzene	21.12	92	109496	14.86 UG/L	92
69) 1,3,5-Trimethylbenzene	21.42	105	555651	16.21 UG/L	100
70) 2-Chlorotoluene	21.28	126	218704	15.85 UG/L	100
71) 4-Chlorotoluene	21.46	126	208927	16.26 UG/L	100
72) t-Butylbenzene	21.95	119	645807	16.70 UG/L	100
73) 1,2,4-Trimethylbenzene	22.03	105	535415	16.17 UG/L	100
74) sec-Butylbenzene	22.30	105	880680	15.96 UG/L	100
75) p-Isopropyltoluene	22.52	119	580896	17.49 UG/L	100
76) 1,3-Dichlorobenzene	22.48	146	470773	17.80 UG/L	100
77) 1,4-Dichlorobenzene	22.63	146	467158	16.94 UG/L	100
78) n-Butylbenzene	23.14	92	354900	16.00 UG/L	94
79) 1,2-Dichlorobenzene	23.20	146	463769	17.05 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.44	157	122190	14.31 UG/L	100
81) 1,2,4-Trichlorobenzene	25.87	180	282454	18.90 UG/L	100
82) Naphthalene	26.38	128	391051	17.06 UG/L	100
83) Hexachlorobutadiene	26.18	225	299194	17.74 UG/L	100
84) 1,2,3-Trichlorobenzene	26.88	180	272823	19.80 UG/L	100

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

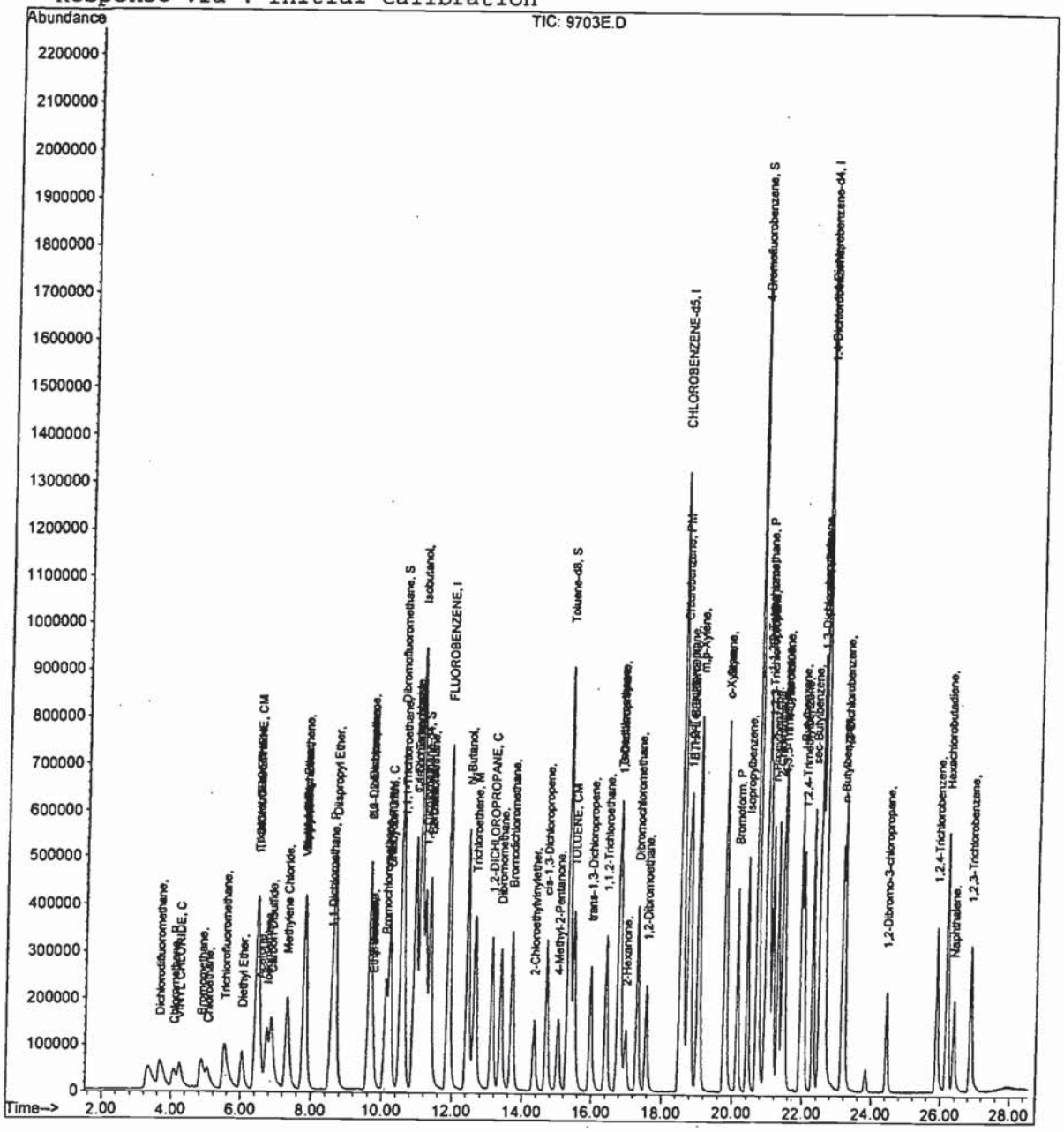
Quantitation Report

Data File : C:\HPCHEM\DATA\E102606\9703E.D
Acq On : 26 Oct 06 8:19
Sample : LCS #333-6
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 26 8:48 2006

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

Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration



R505893 Heritage Environmental Services, LLC Q1888515

QC Report

QCType SPI02 Duplicate SampleID A747905 DataFile 9497E.D
Date Entered 04Oct06 Duplicate QCSampleID Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 16:08:00 Method 309 Matrix 5 Units mg/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	6.25	5.58		89.3	
217	CARBON TETRACHLORIDE	0	6.25	5.92		94.7	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	6.25	5.9		94.4	
21	1,2-DICHLOROETHANE	0	6.25	5.51		88.2	
8	1,1-DICHLOROETHENE	0	6.25	5.07		81.1	
2	1,1,1-TRICHLOROETHANE	0	6.25	5.9		94.4	
750	TRICHLOROETHENE	0	6.25	6.03		96.5	
768	VINYL CHLORIDE	0	6.25	6.31		101	
193	BROMOBENZENE	0	6.25	5.85		93.6	
195	BROMODICHLOROMETHANE	0	6.25	6.18		98.9	
197	BROMOFORM	0	6.25	6.63		106.1	
198	BROMOMETHANE	0	6.25	2.2		35.2	
231	CHLOROBENZENE	0	6.25	6.22		99.5	
295	DIBROMOCHLOROMETHANE	0	6.25	6.19		99	
234	CHLOROETHANE	0	6.25	1.66		26.6	
235	CHLOROFORM	0	6.25	5.78		92.5	
236	CHLOROMETHANE	0	6.25	4.85		77.6	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	6.25	5.94		95	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	6.25	6.05		96.8	
296	DIBROMOMETHANE	0	6.25	6.13		98.1	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	6.25	6.1		97.6	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	6.25	6.15		98.4	
746	TRANS-1,2-DICHLOROETHENE	0	6.25	5.75		92	
246	CIS-1,2-DICHLOROETHENE	20	6.25	24.6		73.6	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	6.25	5.45		87.2	
7	1,1-DICHLOROETHANE	0	6.25	5.56		89	
10	1,1-DICHLOROPROPENE	0	6.25	5.79		92.6	
23	1,2-DICHLOROPROPANE	0	6.25	5.75		92	
27	1,3-DICHLOROPROPANE	0	6.25	5.97		95.5	
247	CIS-1,3-DICHLOROPROPENE	0	6.25	5.91		94.6	
747	TRANS-1,3-DICHLOROPROPENE	0	6.25	6.02		96.3	
349	ETHYL BENZENE	0	6.25	5.97		95.5	
680	STYRENE	0	6.25	6.26		100.2	
4	1,1,2-TRICHLOROETHANE	0	6.25	6.39		102.2	
1	1,1,1,2-TETRACHLOROETHANE	0	6.25	6.32		101.1	
3	1,1,2,2-TETRACHLOROETHANE	0	6.25	5.64		90.2	
703	TETRACHLOROETHENE	0	6.25	6.41		102.6	
14	1,2,3-TRICHLOROPROPANE	0	6.25	5.81		93	
724	TOLUENE	0	6.25	6.27		100.3	
492	M/P-XYLENE	0	12.5	12.1		96.8	
549	O-XYLENE	0	6.25	6.31		101	
194	BROMOCHLOROMETHANE	0	6.25	6.02		96.3	
519	N-BUTYLBENZENE	0	6.25	5.71		91.4	
300	DICHLORODIFLUOROMETHANE	0	6.25	4.45		71.2	

10/5/06

R509893 Heritage Environmental Services, LLC Q1888515

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	6.25	1.7	!	27.2	
398	HEXACHLOROBUTADIENE	0	6.25	6.07		97.1	
432	ISOPROPYLBENZENE (CUMENE)	0	6.25	5.91		94.6	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25	5.92		94.7	
493	NAPHTHALENE	0	6.25	6.85		109.6	
532	N-PROPYLBENZENE	0	6.25	5.79		92.6	
644	SEC-BUTYLBENZENE	0	6.25	5.94		95	
702	TERT-BUTYLBENZENE	0	6.25	6.16		98.6	
13	1,2,3-TRICHLOROBENZENE	0	6.25	6.61		105.8	
16	1,2,4-TRICHLOROBENZENE	0	6.25	6.38		102.1	
17	1,2,4-TRIMETHYLBENZENE	0	6.25	6.2		99.2	
25	1,3,5-TRIMETHYLBENZENE	0	6.25	6.11		97.8	
105	ACROLEIN	0	31.3	28.3		90.4	
99	ACETONE (2-PROPANONE)	0	6.25	4.92		78.7	
106	ACRYLONITRILE	0	31.3	.784		2.5	
216	CARBON DISULFIDE	0	6.25	4.66		74.6	
767	VINYL ACETATE	0	6.25	5.8		92.8	
52	2-BUTANONE	0	6.25	5.12		81.9	
91	4-METHYL-2-PENTANONE	0	6.25	5.2		83.2	
60	2-HEXANONE	0	6.25	4.93		78.9	
54	2-CHLOROETHYLVINYLETHER	0	6.25	5.69		91	
18	1,2-DIBROMOETHANE (EDB)	0	6.25	6.43		102.9	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	6.25	6.02		96.3	
859	METHYL-T-BUTYL ETHER (MTBE)	0	6.25	5.91		94.6	
422	IODOMETHANE	0	6.25	4.87		77.9	
709	TETRAHYDROFURAN	0	31.3	24.7		78.9	

Qualifiers

! Outside Lab Generated Control Limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D Vial: 1
Acq On : 4 Oct 06 16:08 Operator: HAROLD
Sample : A747905 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.85	96	1821573	50.00 UG/L	0.02
51) CHLOROBENZENE-d5	18.52	117	1323408	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.60	152	768132	50.00 UG/L	0.05
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.17	65	722076	48.86 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 97.72%#		
44) Toluene-d8	15.30	98	1624924	50.16 UG/L	0.04
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.32%#		
47) Dibromofluoromethane	10.50	113	1104860	47.48 UG/L	0.03
Spiked Amount 50.000			Recovery = 94.96%		
50) 4-Bromofluorobenzene	20.71	95	1406294	52.85 UG/L	0.05
Spiked Amount 50.000	Range 43 - 58		Recovery = 105.70%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.72	85	658532m	35.56 UG/L	100
3) Chloromethane	4.05	50	585941	38.79 UG/L	100
4) VINYL CHLORIDE	4.26	62	710307m	50.51 UG/L	33
5) Bromomethane	4.76	94	195048	17.59 UG/L	97
6) Chloroethane	5.02	64	96644m	13.24 UG/L	76
7) Trichlorofluoromethane	5.26	101	277190m	13.61 UG/L	0
8) Acrolein	7.77	56	88675	226.69 UG/L	100
9) Diethyl Ether	5.94	59	308912	35.39 UG/L	100
10) Trichlorotrifluoroethane	6.22	101	940125	41.33 UG/L #	100
11) Acetone	6.57	43	188029m	39.36 UG/L	86
12) 1,1-DICHLOROETHENE	6.25	96	476384	40.53 UG/L	100
13) Methylene Chloride	7.23	84	673125	43.62 UG/L	85
14) Acrylonitrile	7.79	53	21139	6.27 UG/L	100
15) Carbon Disulfide	6.69	76	1533520	37.26 UG/L	98
16) Vinyl Acetate	7.78	43	519723	46.42 UG/L	100
17) trans-1,2-Dichloroethene	7.69	96	603291	46.02 UG/L #	70
18) 1,1-Dichloroethane	8.49	63	1335446	44.45 UG/L	100
19) Methyl-t-butyl Ether	7.79	73	1233344	47.29 UG/L	100
20) Diispropyl Ether	8.64	45	3131390	43.31 UG/L	100
21) 2-Butanone	9.72	43	1265877	40.97 UG/L #	59
22) Ethyl Acetate	9.73	88	25820	51.35 UG/L #	100
23) cis-1,2-Dichloroethene	9.58	96	2811539	196.74 UG/L #	67

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D Vial: 1
Acq On : 4 Oct 06 16:08 Operator: HAROLD
Sample : A747905 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.18	83	1316153	46.24 UG/L	98
25) Bromochloromethane	10.05	128	471195	48.18 UG/L	88
26) 2,2-Dichloropropane	9.59	77	799955	41.69 UG/L #	100
27) Tetrahydrofuran	10.20	42	566797	197.71 UG/L	100
28) 1,1,1-Trichloroethane	10.55	97	988942	47.16 UG/L #	100
29) Iodomethane	6.58	142	1251217	38.98 UG/L	100
30) 1,1-Dichloropropene	10.86	75	982475	46.31 UG/L #	100
32) Carbon Tetrachloride	10.88	117	909004	47.35 UG/L	94
33) 1,2-Dichloroethane	11.33	62	866767	44.05 UG/L #	100
35) Benzene	11.29	78	1476399	44.61 UG/L	100
36) N-Butanol	12.60	43	1382664	4915.37 UG/L	100
37) Trichloroethene	12.61	130	732644	48.26 UG/L	99
38) 1,2-DICHLOROPROPANE	13.11	63	924802	46.00 UG/L	100
39) Bromodichloromethane	13.69	83	1499616	49.46 UG/L	99
40) Dibromomethane	13.36	93	813255	49.06 UG/L	98
41) 2-Chloroethylvinylether	14.33	63	457956	45.55 UG/L #	100
42) 4-Methyl-2-Pentanone	15.11	43	1042777	41.58 UG/L	91
43) cis-1,3-Dichloropropene	14.67	75	1157004	47.31 UG/L	100
45) TOLUENE	15.46	91	1797627	50.12 UG/L	100
46) trans-1,3-Dichloropropene	15.98	75	919825	48.16 UG/L	100
48) 1,1,2-Trichloroethane	16.43	97	709362	51.14 UG/L	100
49) 1,2-Dibromoethane	17.57	107	1084028	51.45 UG/L #	100
52) 2-Hexanone	17.03	43	711926	39.40 UG/L #	90
53) 1,3-Dichloropropane	16.81	76	1119139	47.72 UG/L	100
54) Tetrachloroethene	16.75	166	961336	51.26 UG/L	95
55) Dibromochloromethane	17.32	129	1187566	49.54 UG/L	100
56) Chlorobenzene	18.58	112	1326212	49.74 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.74	131	761008	50.55 UG/L	100
58) ETHYL BENZENE	18.79	106	540642	47.73 UG/L	89
59) m,p-Xylene	19.02	106	1257414	96.72 UG/L #	73
60) o-Xylene	19.76	106	664377	50.45 UG/L	82
61) Styrene	19.79	104	1083144	50.05 UG/L #	42
62) Bromoform	20.15	173	1113293	53.06 UG/L	100
64) Isopropylbenzene	20.43	105	1686387	47.29 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.95	83	1185290	45.12 UG/L #	100
66) Bromobenzene	20.98	77	1989132	46.80 UG/L	100
67) 1,2,3-Trichloropropane	21.03	110	241563	46.50 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68)	n-Propylbenzene	21.14	92	259071	46.30 UG/L	88
69)	1,3,5-Trimethylbenzene	21.42	105	1272005	48.87 UG/L	100
70)	2-Chlorotoluene	21.29	126	497945	47.52 UG/L	100
71)	4-Chlorotoluene	21.48	126	472029	48.37 UG/L	100
72)	t-Butylbenzene	21.96	119	1447652	49.29 UG/L	100
73)	1,2,4-Trimethylbenzene	22.03	105	1247681	49.60 UG/L	100
74)	sec-Butylbenzene	22.30	105	1993057	47.55 UG/L	100
75)	p-Isopropyltoluene	22.52	119	1194759	47.37 UG/L	100
76)	1,3-Dichlorobenzene	22.50	146	980946	48.83 UG/L	100
77)	1,4-Dichlorobenzene	22.63	146	989234	47.23 UG/L	100
78)	n-Butylbenzene	23.14	92	770089	45.70 UG/L	95
79)	1,2-Dichlorobenzene	23.21	146	1015669	49.17 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.44	157	312492	48.18 UG/L	100
81)	1,2,4-Trichlorobenzene	25.87	180	579073	51.01 UG/L	100
82)	Naphthalene	26.38	128	954008	54.80 UG/L	100
83)	Hexachlorobutadiene	26.17	225	622244	48.58 UG/L	100
84)	1,2,3-Trichlorobenzene	26.86	180	553657	52.89 UG/L	100

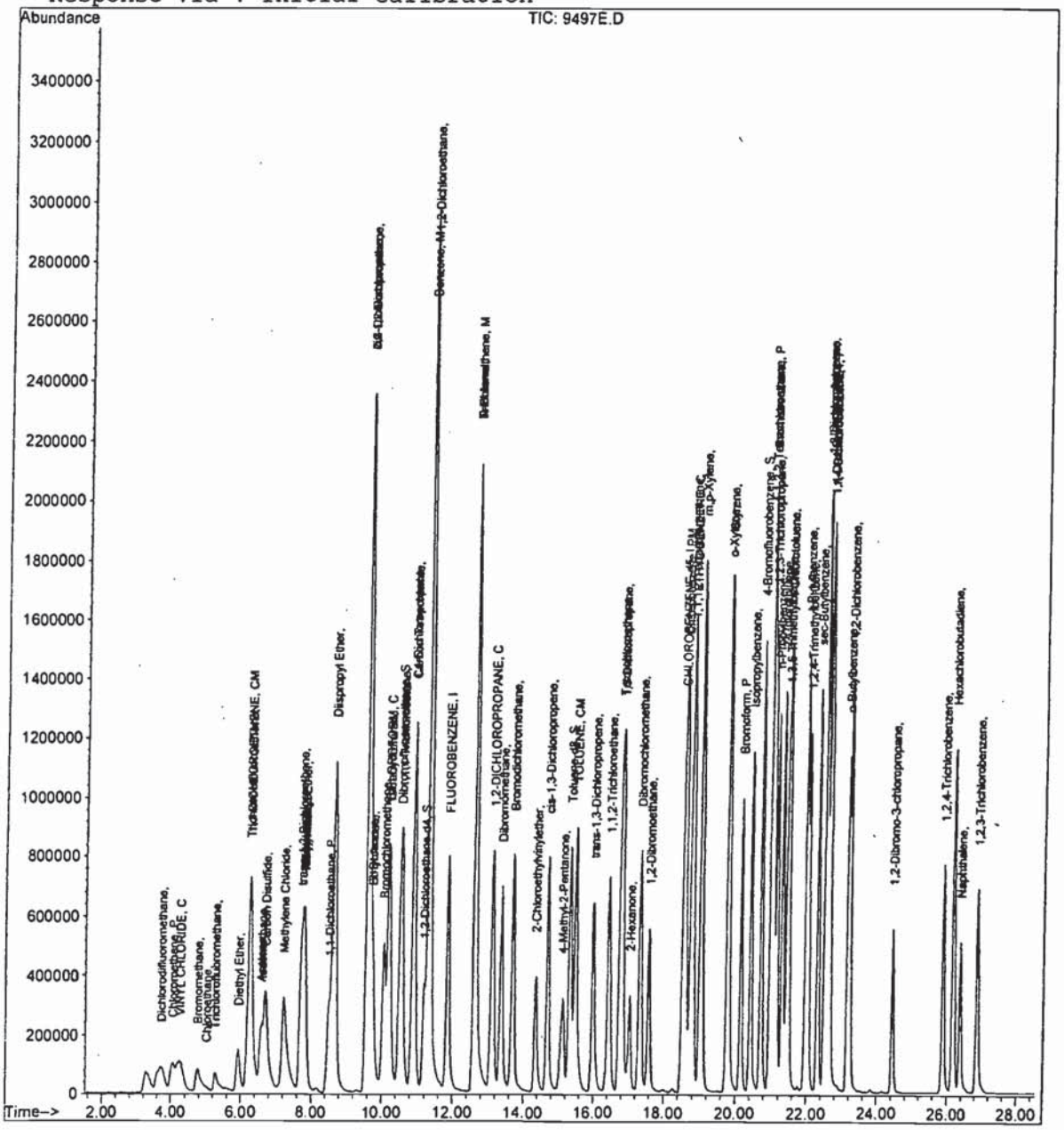
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

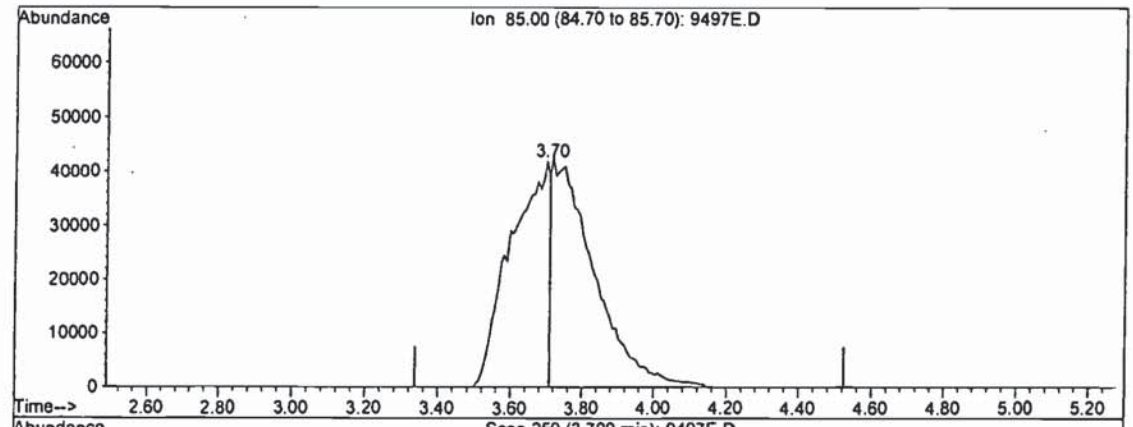
Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

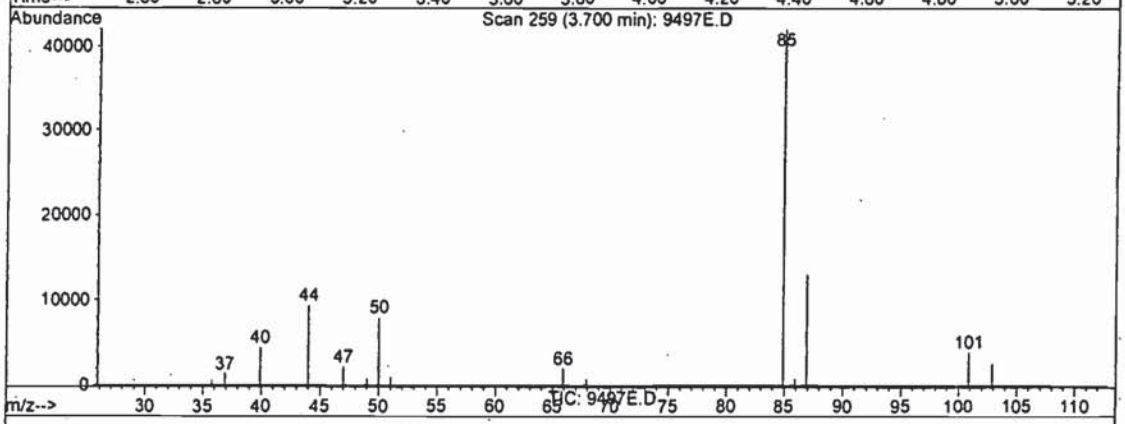


Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D Vial: 1
Acq On : 4 Oct 06 16:08 Operator: HAROLD
Sample : A747905 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 4 16:36 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.70min 16.87UG/L

response 312475

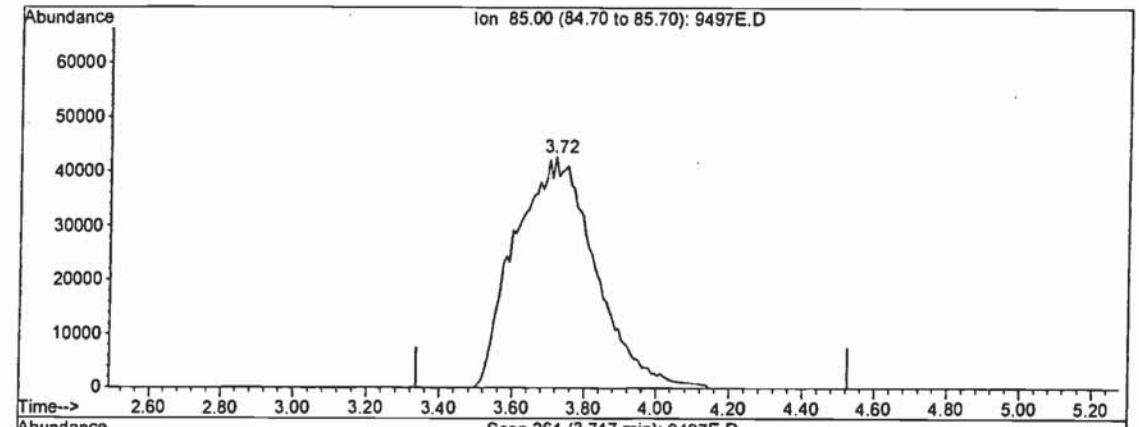
Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.72min 35.56UG/L m

response 658532

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

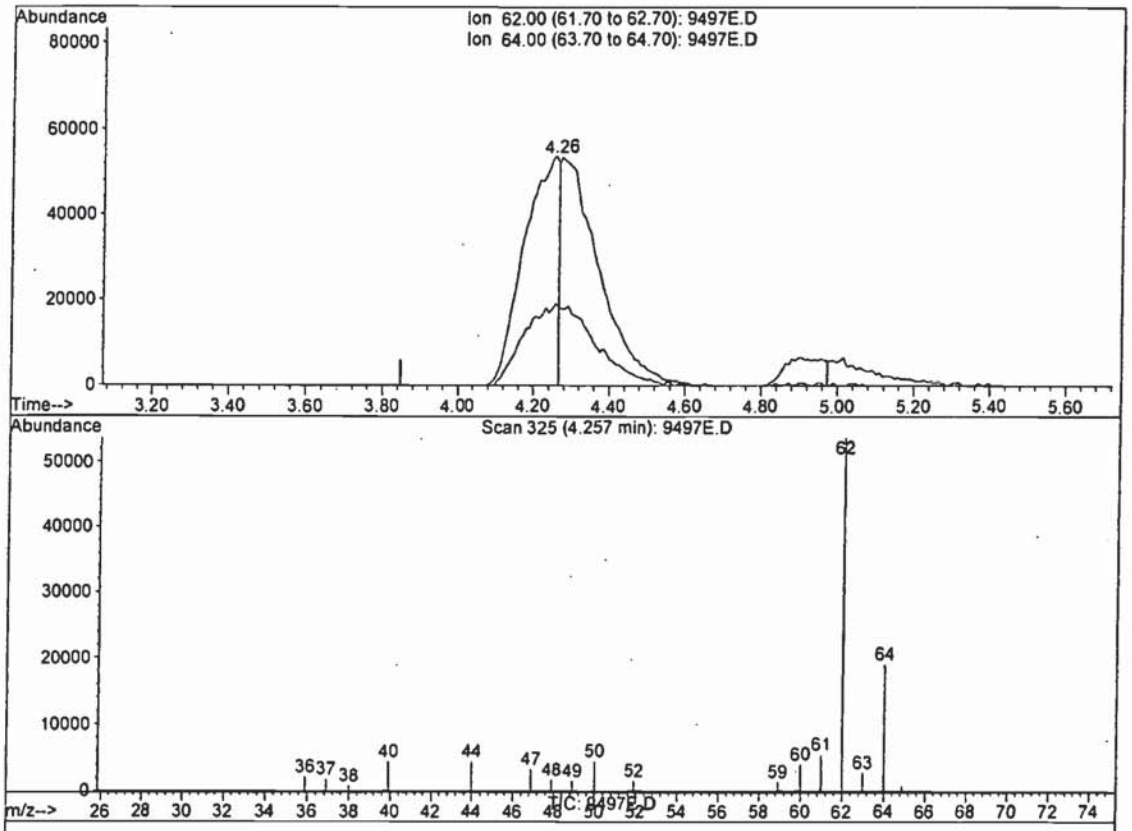
9497E.D 8260E1.M Thu Oct 05 06:13:43 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.26min 24.32UG/L

response 342023

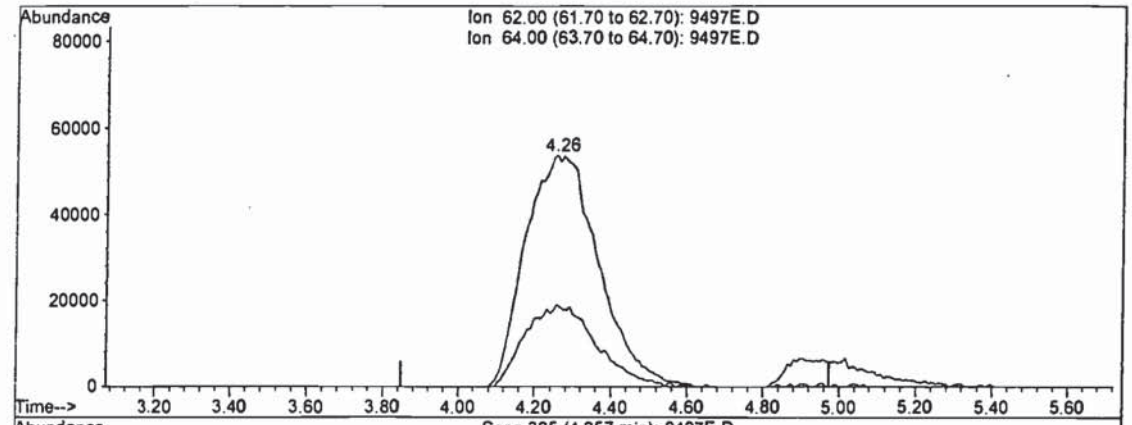
Ion	Exp%	Act%
62.00	100	100
64.00	33.10	71.08#
0.00	0.00	0.00
0.00	0.00	0.00

9497E.D 8260E1.M Thu Oct 05 06:13:49 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D Vial: 1
Acq On : 4 Oct 06 16:08 Operator: HAROLD
Sample : A747905 MS Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 5 6:13 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.26min 50.51UG/L m

response 710307

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	34.22
0.00	0.00	0.00
0.00	0.00	0.00

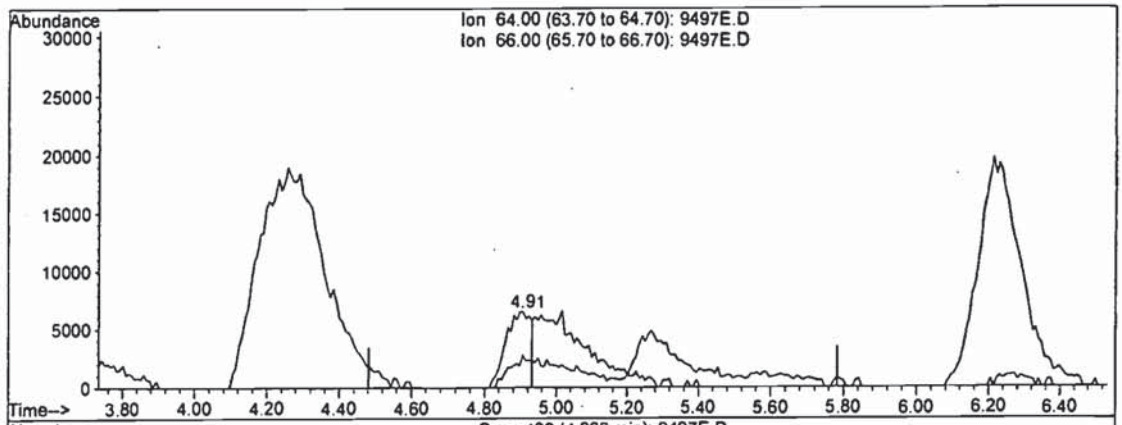
9497E.D 8260E1.M Thu Oct 05 06:13:54 2006

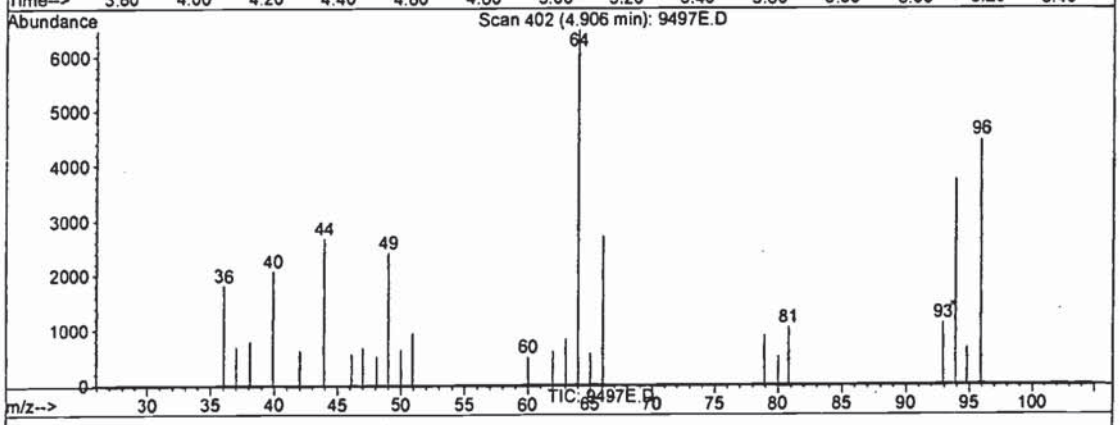
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:13 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(6) Chloroethane

4.91min 4.27UG/L

response 31184

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	47.78#
0.00	0.00	0.00
0.00	0.00	0.00

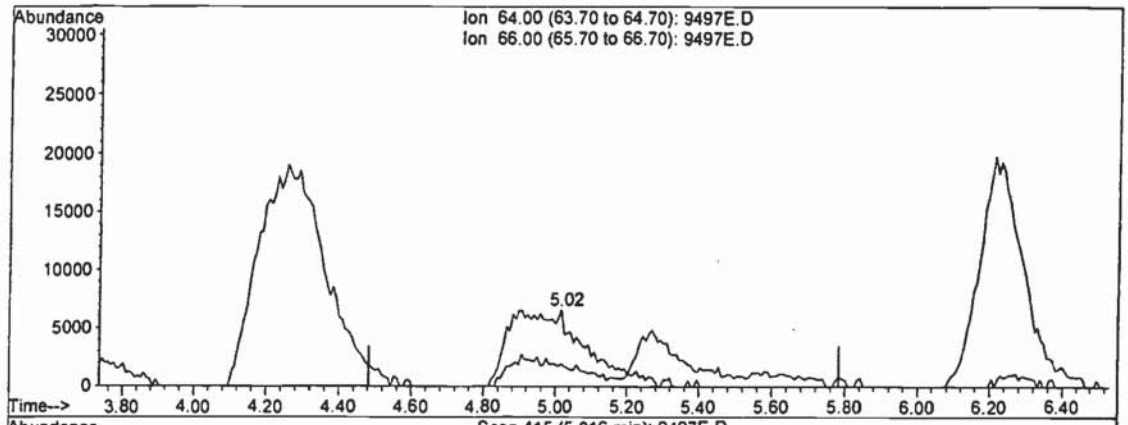
9497E.D 8260E1.M Thu Oct 05 06:14:00 2006

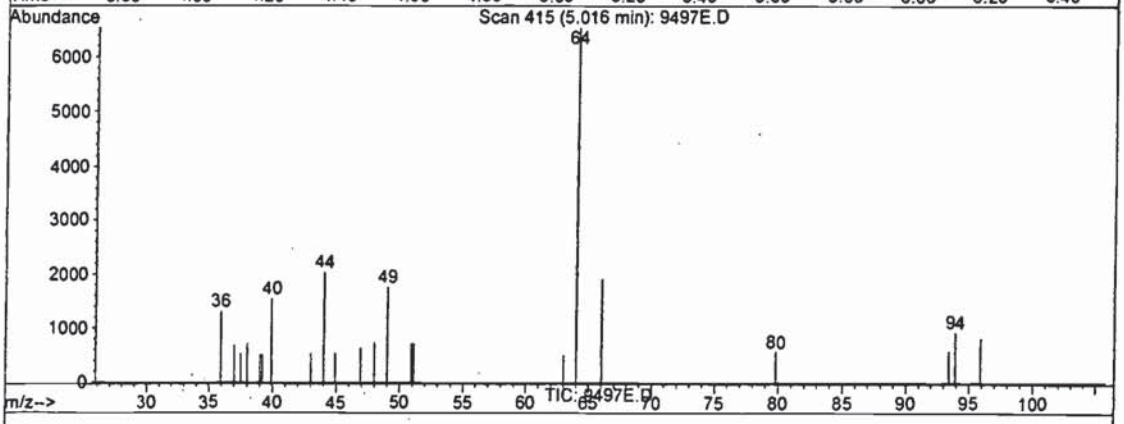
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(6) Chloroethane

5.02min 13.24UG/L m

response 96644

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	15.42#
0.00	0.00	0.00
0.00	0.00	0.00

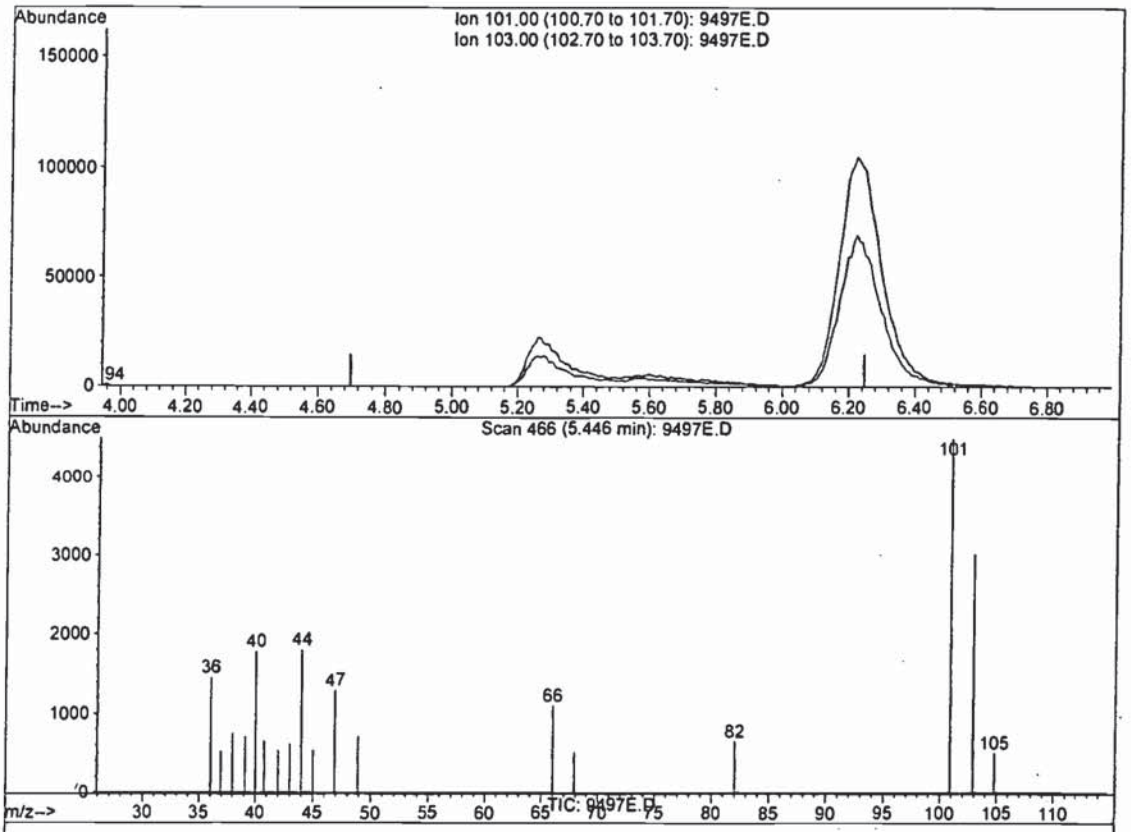
9497E.D 8260E1.M Thu Oct 05 06:14:06 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.45min 0.00UG/L d

response 0

Ion	Exp%	Act%
101.00	100	0.00
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

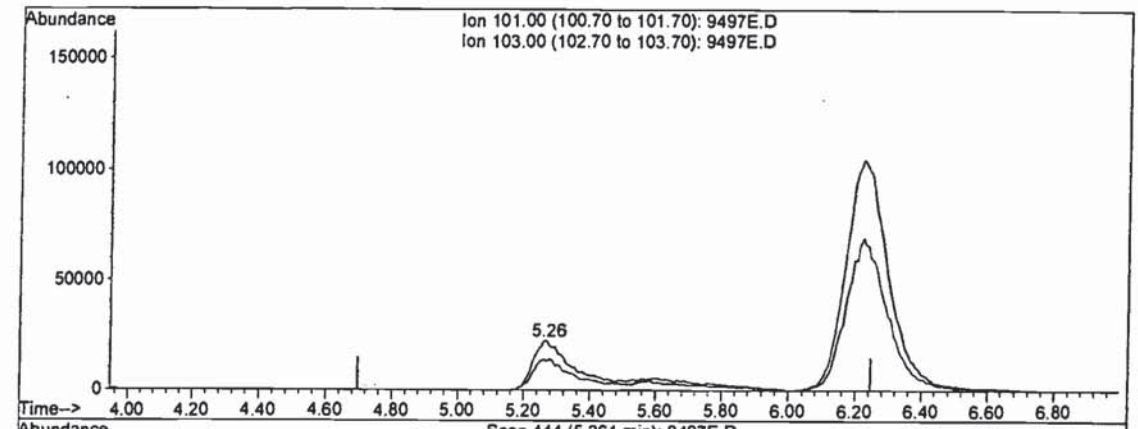
9497E.D 8260E1.M Thu Oct 05 06:14:11 2006

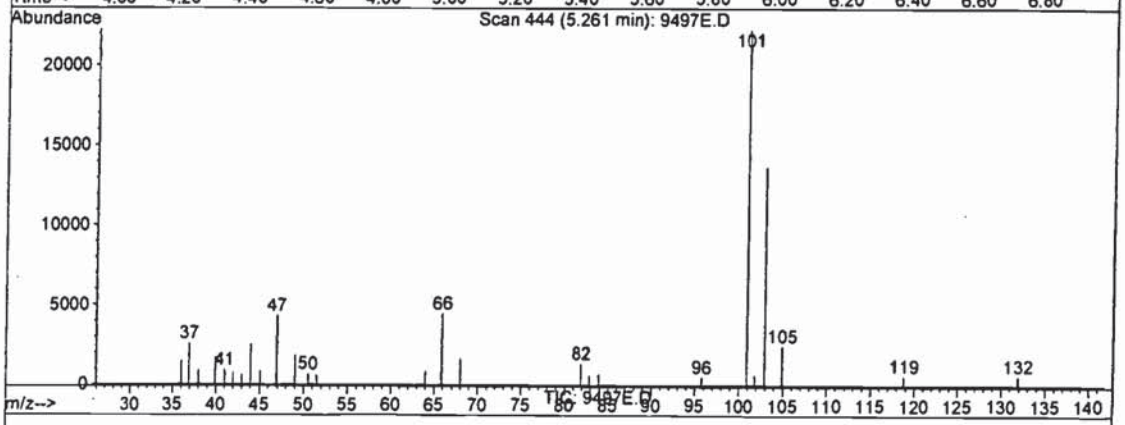
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9497E.D
Acq On : 4 Oct 06 16:08
Sample : A747905 MS
Misc :
Quant Time: Oct 5 6:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.26min 13.61UG/L m

response 277190

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

R509893 Heritage Environmental Services, LLC Q1888516

QC Report

QCType DPS02 Duplicate SampleID A747905 DataFile 9498E.D
Date Entered 04Oct06 Duplicate QCSampleID Q1888515 Analyst 1365 H. WILLIAMS
Analysis Date/Time 04Oct06 16:46:00 Method 309 Matrix 5 Units mg/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	6.25	5.93		94.8	6.1
217	CARBON TETRACHLORIDE	0	6.25	6.18		98.9	4.3
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	6.25	6.08		97.3	2.9
21	1,2-DICHLOROETHANE	0	6.25	5.95		95.2	7.7
8	1,1-DICHLOROETHENE	0	6.25	5.28		84.5	4.1
2	1,1,1-TRICHLOROETHANE	0	6.25	6.1		97.6	3.4
750	TRICHLOROETHENE	0	6.25	6.33		101.3	4.9
768	VINYL CHLORIDE	0	6.25	6.14		98.2	2.8
193	BROMOBENZENE	0	6.25	6.04		96.6	3.2
195	BROMODICHLOROMETHANE	0	6.25	6.25		100	1.1
197	BROMOFORM	0	6.25	6.64		106.3	.2
198	BROMOMETHANE	0	6.25	2.35		37.6	6.6
231	CHLOROBENZENE	0	6.25	6.2		99.2	.3
295	DIBROMOCHLOROMETHANE	0	6.25	6.22		99.5	.4
234	CHLOROETHANE	0	6.25	1.82		29.1	9.4
235	CHLOROFORM	0	6.25	6.01		96.2	3.9
236	CHLOROMETHANE	0	6.25	4.96		79.3	2.2
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	6.25	6.11		97.8	2.9
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	6.25	6.04		96.7	0
296	DIBROMOMETHANE	0	6.25	6.3		100.8	2.7
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	6.25	6.09		97.4	.3
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	6.25	6.15		98.4	.1
746	TRANS-1,2-DICHLOROETHENE	0	6.25	5.97		95.6	3.8
246	CIS-1,2-DICHLOROETHENE	20	6.25	21.3	!	20.8	111.9 RD 10/5/06
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	6.25	5.72		91.5	4.8
7	1,1-DICHLOROETHANE	0	6.25	5.72		91.5	2.9
10	1,1-DICHLOROPROPENE	0	6.25	5.97		95.6	3.2
23	1,2-DICHLOROPROPANE	0	6.25	5.94		95	3.2
27	1,3-DICHLOROPROPANE	0	6.25	6.07		97.1	1.8
247	CIS-1,3-DICHLOROPROPENE	0	6.25	5.97		95.5	.9
747	TRANS-1,3-DICHLOROPROPENE	0	6.25	6.1		97.6	1.3
349	ETHYL BENZENE	0	6.25	5.99		95.9	.4
680	STYRENE	0	6.25	6.24		99.9	.2
4	1,1,2-TRICHLOROETHANE	0	6.25	6.49		103.8	1.5
1	1,1,1,2-TETRACHLOROETHANE	0	6.25	6.41		102.6	1.5
3	1,1,2,2-TETRACHLOROETHANE	0	6.25	5.83		93.2	3.3
703	TETRACHLOROETHENE	0	6.25	6.47		103.5	1
14	1,2,3-TRICHLOROPROPANE	0	6.25	6.03		96.5	3.7
724	TOLUENE	0	6.25	6.33		101.3	1.1
492	M/P-XYLENE	0	12.5	12.2		97.4	.7
549	O-XYLENE	0	6.25	6.31		101	.1
194	BROMOCHLOROMETHANE	0	6.25	6.32		101.2	4.9
519	N-BUTYLBENZENE	0	6.25	5.68		90.8	.7
300	DICHLORODIFLUOROMETHANE	0	6.25	4.38		70.1	1.4

R509893 Heritage Environmental Services, LLC Q1888516

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	6.25	2.39		38.3	33.9
398	HEXACHLOROBUTADIENE	0	6.25	5.78		92.5	5
432	ISOPROPYLBENZENE (CUMENE)	0	6.25	6.12		97.9	3.4
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	6.25	6.07		97.1	2.5
493	NAPHTHALENE	0	6.25	7.07		113.2	3.2
532	N-PROPYLBENZENE	0	6.25	5.91		94.6	2.1
644	SEC-BUTYLBENZENE	0	6.25	6.02		96.3	1.3
702	TERT-BUTYLBENZENE	0	6.25	6.37		102	3.4
13	1,2,3-TRICHLOROBENZENE	0	6.25	6.82		109.2	3.2
16	1,2,4-TRICHLOROBENZENE	0	6.25	6.33		101.3	.7
17	1,2,4-TRIMETHYLBENZENE	0	6.25	6.3		100.9	1.7
25	1,3,5-TRIMETHYLBENZENE	0	6.25	6.18		98.9	1.2
105	ACROLEIN	0	31.3	29.5		94.4	4
99	ACETONE (2-PROPANONE)	0	6.25	5.15		82.4	4.6
106	ACRYLONITRILE	0	31.3	.703		2.2	12.8
216	CARBON DISULFIDE	0	6.25	5.06		81	8.2
767	VINYL ACETATE	0	6.25	6.03		96.5	3.9
52	2-BUTANONE	0	6.25	5.42		86.8	5.8
91	4-METHYL-2-PENTANONE	0	6.25	5.33		85.2	2.4
60	2-HEXANONE	0	6.25	5.15		82.4	4.5
54	2-CHLOROETHYLVINYLETHER	0	6.25	5.86		93.7	2.8
18	1,2-DIBROMOETHANE (EDB)	0	6.25	6.57		105.1	2.1
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	6.25	6.36		101.7	5.4
859	METHYL-T-BUTYL ETHER (MTBE)	0	6.25	6.15		98.3	3.8
422	IODOMETHANE	0	6.25	5.26		84.1	7.5
709	TETRAHYDROFURAN	0	31.3	26.1		83.4	5.3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.86	96	1788350	50.00 UG/L	0.03
51) CHLOROBENZENE-d5	18.52	117	1306971	50.00 UG/L	0.05
63) 1,4-Dichlorobenzene-d4	22.59	152	738425	50.00 UG/L	0.04
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.18	65	717374	49.44 UG/L	0.02
Spiked Amount 50.000	Range 40 - 60		Recovery = 98.88%#		
44) Toluene-d8	15.31	98	1596862	50.21 UG/L	0.05
Spiked Amount 50.000	Range 44 - 55		Recovery = 100.42%#		
47) Dibromofluoromethane	10.50	113	1111815	48.67 UG/L	0.03
Spiked Amount 50.000			Recovery = 97.34%		
50) 4-Bromofluorobenzene	20.70	95	1382337	52.91 UG/L	0.04
Spiked Amount 50.000	Range 43 - 58		Recovery = 105.82%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.72	85	637480m	35.06 UG/L	100
3) Chloromethane	4.05	50	587839m	39.64 UG/L	100
4) VINYL CHLORIDE	4.27	62	677685m	49.08 UG/L	21
5) Bromomethane	4.77	94	202667	18.79 UG/L	99
6) Chloroethane	4.90	64	104438m	14.57 UG/L	98
7) Trichlorofluoromethane	5.30	101	383018m	19.15 UG/L	0
8) Acrolein	7.77	56	90668	236.09 UG/L	100
9) Diethyl Ether	5.96	59	324063	37.82 UG/L	100
10) Trichlorotrifluoroethane	6.28	101	974004m	43.62 UG/L	100
11) Acetone	6.58	43	193289m	41.21 UG/L	88
12) 1,1-DICHLOROETHENE	6.31	96	487597	42.25 UG/L	100
13) Methylene Chloride	7.23	84	688404	45.74 UG/L	84
14) Acrylonitrile	7.78	53	18619	5.62 UG/L	100
15) Carbon Disulfide	6.74	76	1625485	40.49 UG/L	97
16) Vinyl Acetate	7.79	43	530336	48.25 UG/L	100
17) trans-1,2-Dichloroethene	7.71	96	614927	47.78 UG/L #	69
18) 1,1-Dichloroethane	8.51	63	1349905	45.76 UG/L	100
19) Methyl-t-butyl Ether	7.78	73	1259106	49.17 UG/L	100
20) Diispropyl Ether	8.63	45	3192182	44.98 UG/L	100
21) 2-Butanone	9.71	43	1315777	43.38 UG/L #	59
22) Ethyl Acetate	9.73	88	27209	55.19 UG/L #	100
23) cis-1,2-Dichloroethene	9.59	96	2394831	170.70 UG/L #	68

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D Vial: 1
Acq On : 4 Oct 06 16:46 Operator: HAROLD
Sample : A747905 MSD Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24)	CHLOROFORM	10.19	83	1344051	48.09 UG/L		98
25)	Bromochloromethane	10.06	128	485671	50.59 UG/L		88
26)	2,2-Dichloropropane	9.59	77	821280	43.59 UG/L	#	100
27)	Tetrahydrofuran	10.20	42	586693	208.45 UG/L		100
28)	1,1,1-Trichloroethane	10.56	97	1005172	48.82 UG/L	#	100
29)	Iodomethane	6.62	142	1325317	42.05 UG/L		100
30)	1,1-Dichloropropene	10.88	75	995098	47.78 UG/L	#	100
32)	Carbon Tetrachloride	10.89	117	931742	49.44 UG/L		95
33)	1,2-Dichloroethane	11.33	62	919009	47.58 UG/L	#	100
34)	Isobutanol	11.26	43	4004086	7198.87 UG/L		100
35)	Benzene	11.31	78	1539961	47.40 UG/L		100
36)	N-Butanol	12.56	43	1437288	5204.48 UG/L		100
37)	Trichloroethene	12.62	130	755104	50.66 UG/L		100
38)	1,2-DICHLOROPROPANE	13.11	63	937448	47.50 UG/L		100
39)	Bromodichloromethane	13.69	83	1488243	49.99 UG/L		100
40)	Dibromomethane	13.36	93	820377	50.41 UG/L		99
41)	2-Chloroethylvinylether	14.33	63	462463	46.85 UG/L	#	100
42)	4-Methyl-2-Pentanone	15.08	43	1049145	42.62 UG/L		92
43)	cis-1,3-Dichloropropene	14.68	75	1146781	47.77 UG/L		100
45)	TOLUENE	15.46	91	1783814	50.66 UG/L		100
46)	trans-1,3-Dichloropropene	15.97	75	915544	48.82 UG/L		100
48)	1,1,2-Trichloroethane	16.43	97	706613	51.88 UG/L		100
49)	1,2-Dibromoethane	17.56	107	1087335	52.57 UG/L	#	100
52)	2-Hexanone	17.01	43	735376	41.21 UG/L	#	90
53)	1,3-Dichloropropane	16.81	76	1124033	48.53 UG/L		100
54)	Tetrachloroethene	16.75	166	958954	51.77 UG/L		96
55)	Dibromochloromethane	17.31	129	1177556	49.74 UG/L		100
56)	Chlorobenzene	18.58	112	1306477	49.61 UG/L		95
57)	1,1,1,2-Tetrachloroethane	18.73	131	762431	51.28 UG/L		100
58)	ETHYL BENZENE	18.77	106	536281	47.94 UG/L		89
59)	m,p-Xylene	19.01	106	1249947	97.35 UG/L	#	73
60)	o-Xylene	19.76	106	656810	50.50 UG/L		82
61)	Styrene	19.78	104	1067157	49.93 UG/L	#	40
62)	Bromoform	20.14	173	1100979	53.13 UG/L		100
64)	Isopropylbenzene	20.41	105	1677773	48.94 UG/L		100
65)	1,1,2,2-Tetrachloroethane	20.94	83	1176865	46.60 UG/L	#	100
66)	Bromobenzene	20.96	77	1972751	48.29 UG/L		100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67)	1,2,3-Trichloropropane	21.02	110	240916	48.24 UG/L	100
68)	n-Propylbenzene	21.13	92	254385	47.29 UG/L	90
69)	1,3,5-Trimethylbenzene	21.42	105	1237200	49.45 UG/L	100
70)	2-Chlorotoluene	21.28	126	492364	48.88 UG/L	100
71)	4-Chlorotoluene	21.47	126	453603	48.35 UG/L	100
72)	t-Butylbenzene	21.95	119	1439634	50.99 UG/L	100
73)	1,2,4-Trimethylbenzene	22.03	105	1219542	50.43 UG/L	100
74)	sec-Butylbenzene	22.30	105	1939510	48.13 UG/L	100
75)	p-Isopropyltoluene	22.51	119	1177561	48.56 UG/L	100
76)	1,3-Dichlorobenzene	22.49	146	940156	48.68 UG/L	100
77)	1,4-Dichlorobenzene	22.63	146	980089	48.67 UG/L	100
78)	n-Butylbenzene	23.14	92	735419	45.40 UG/L	92
79)	1,2-Dichlorobenzene	23.21	146	977474	49.22 UG/L	100
80)	1,2-Dibromo-3-chloropropan	24.43	157	317212	50.87 UG/L	100
81)	1,2,4-Trichlorobenzene	25.86	180	552905	50.66 UG/L	100
82)	Naphthalene	26.37	128	947013	56.59 UG/L	100
83)	Hexachlorobutadiene	26.17	225	569169	46.23 UG/L	100
84)	1,2,3-Trichlorobenzene	26.87	180	549234	54.58 UG/L	100

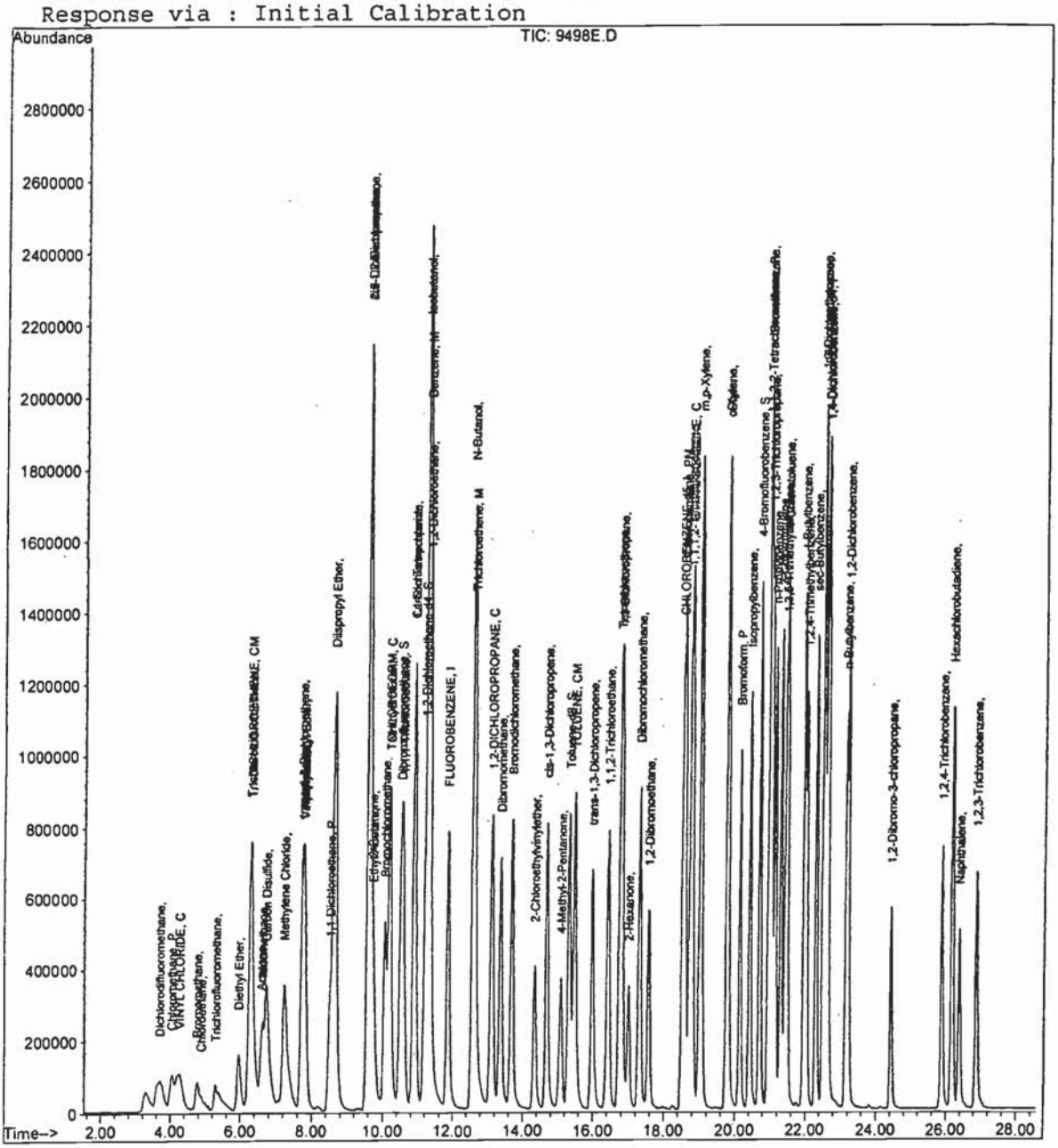
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
MS Integration Params: rteint.p
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

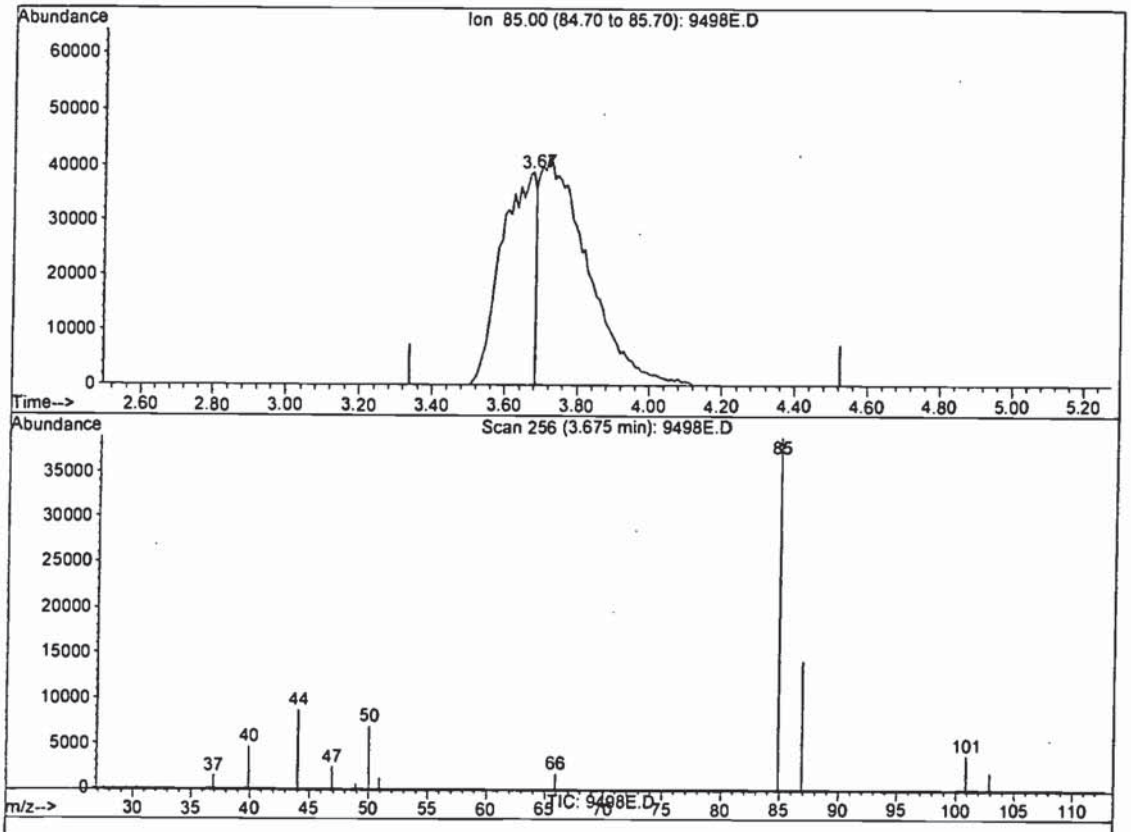


Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 4 17:14 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(2) Dichlorodifluoromethane

3.67min 13.89UG/L

response 252549

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

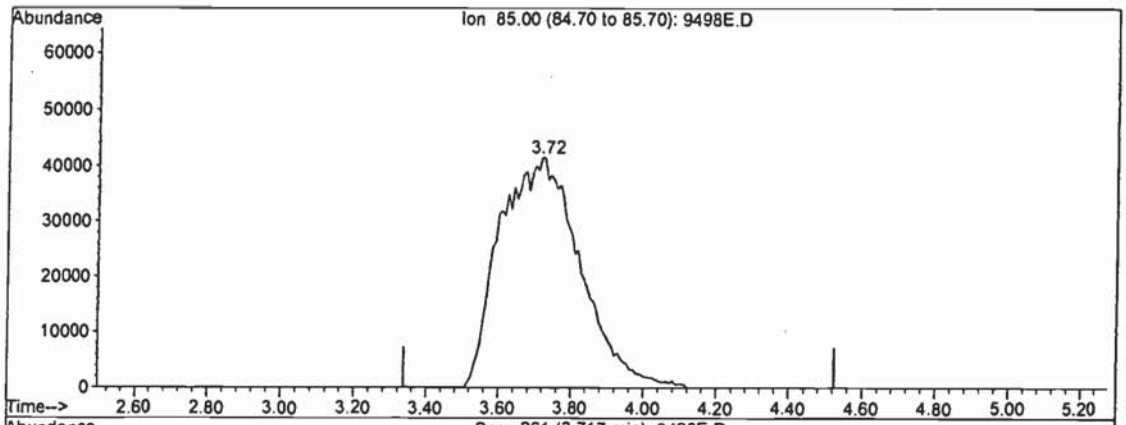
9498E.D 8260E1.M Thu Oct 05 06:08:53 2006

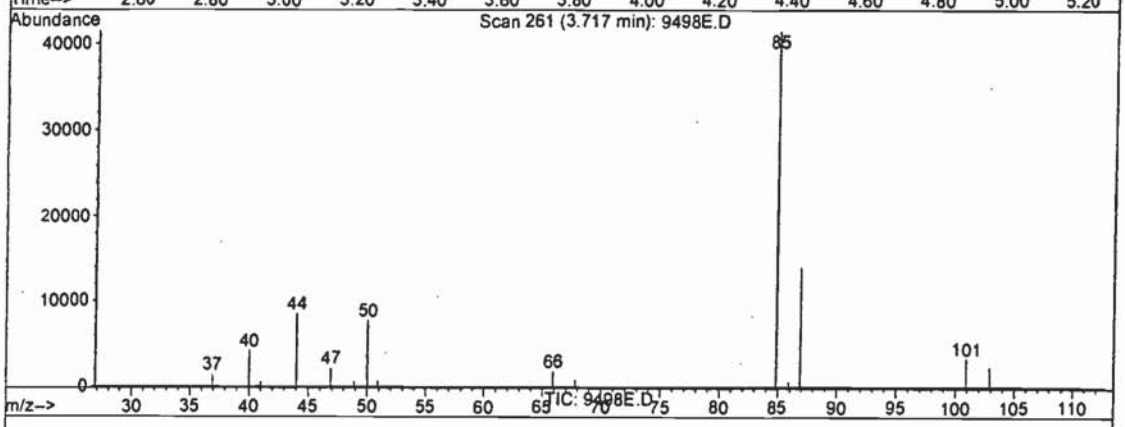
Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:08 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane

3.72min 35.06UG/L m

response 637480

Ion	Exp%	Act%
85.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

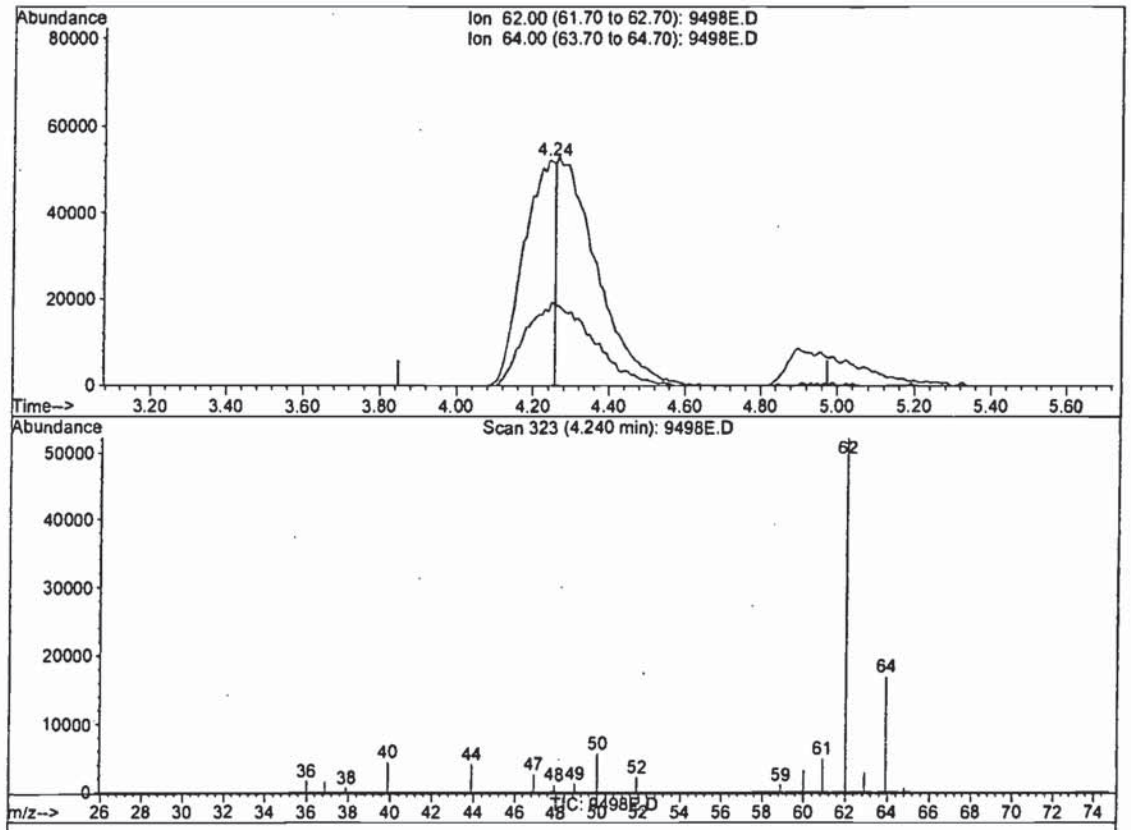
9498E.D 8260E1.M Thu Oct 05 06:08:58 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(4) VINYL CHLORIDE (C)

4.24min 21.82UG/L

response 301229

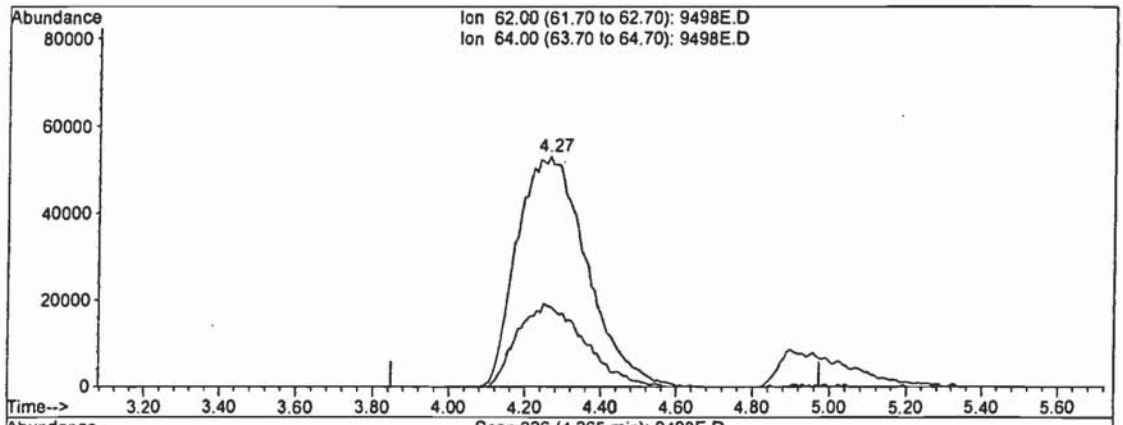
Ion	Exp%	Act%
62.00	100	100
64.00	33.10	77.83#
0.00	0.00	0.00
0.00	0.00	0.00

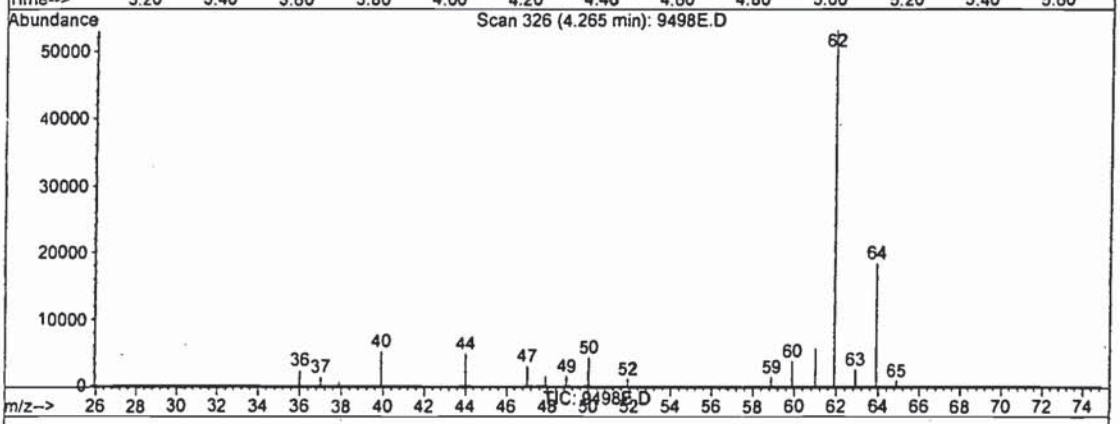
9498E.D 8260E1.M Thu Oct 05 06:09:05 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D Vial: 1
Acq On : 4 Oct 06 16:46 Operator: HAROLD
Sample : A747905 MSD Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 5 6:09 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(4) VINYL CHLORIDE (C)

4.27min 49.08UG/L m

response 677685

Ion	Exp%	Act%
62.00	100	100
64.00	33.10	34.59
0.00	0.00	0.00
0.00	0.00	0.00

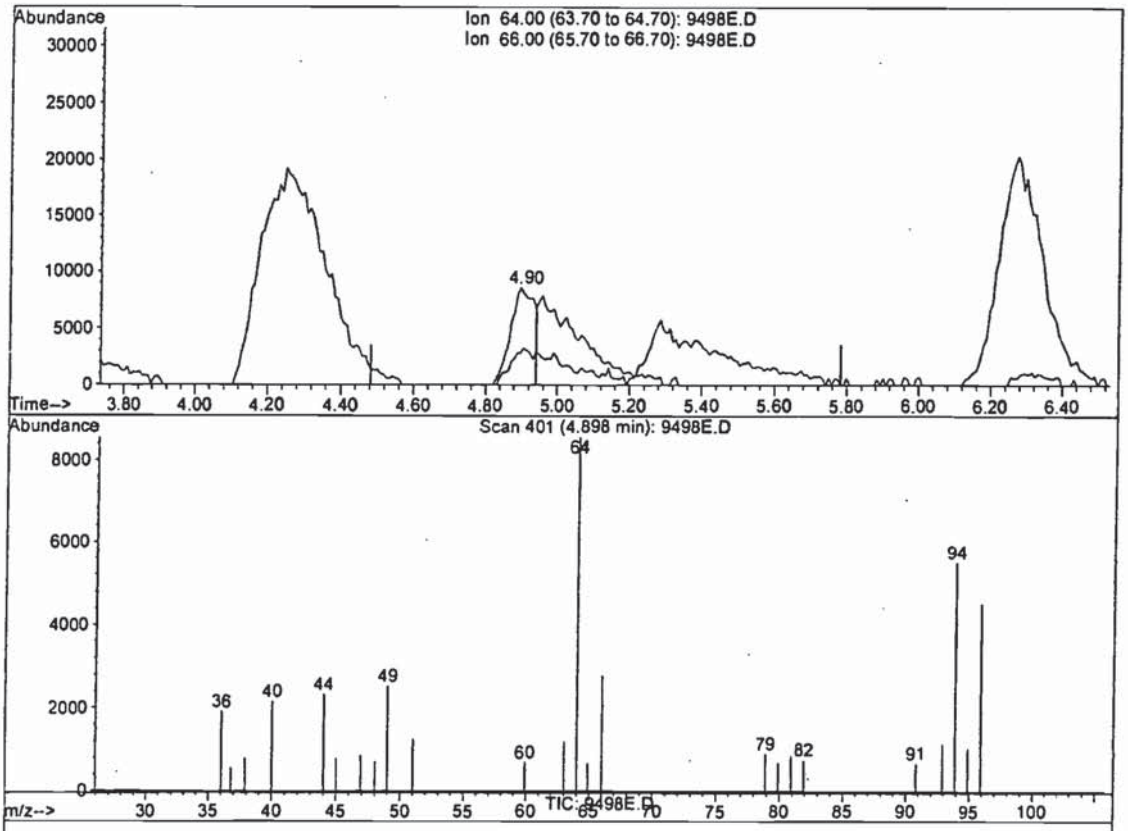
9498E.D 8260E1.M Thu Oct 05 06:09:10 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.90min 5.38UG/L

response 38580

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	33.06
0.00	0.00	0.00
0.00	0.00	0.00

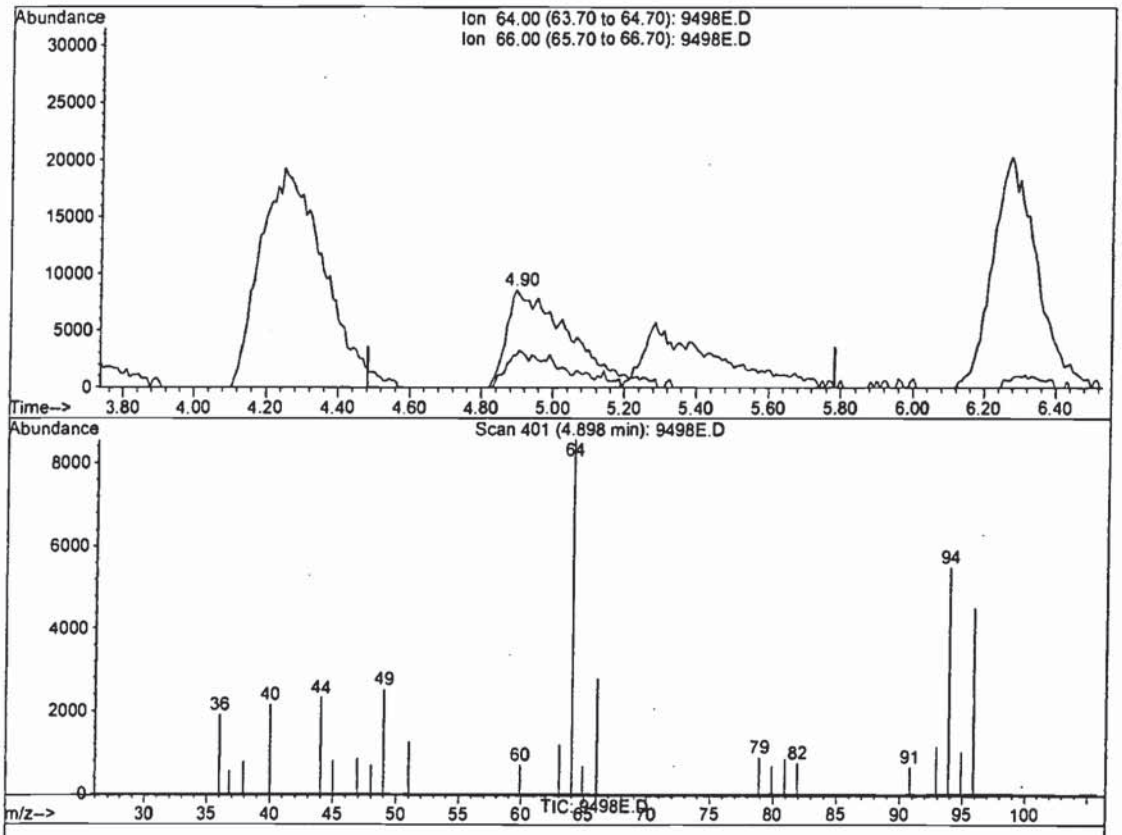
9498E.D 8260E1.M Thu Oct 05 06:09:15 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D
Acq On : 4 Oct 06 16:46
Sample : A747905 MSD
Misc :
Quant Time: Oct 5 6:09 2006

Vial: 1
Operator: HAROLD
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.90min 14.57UG/L m

response 104438

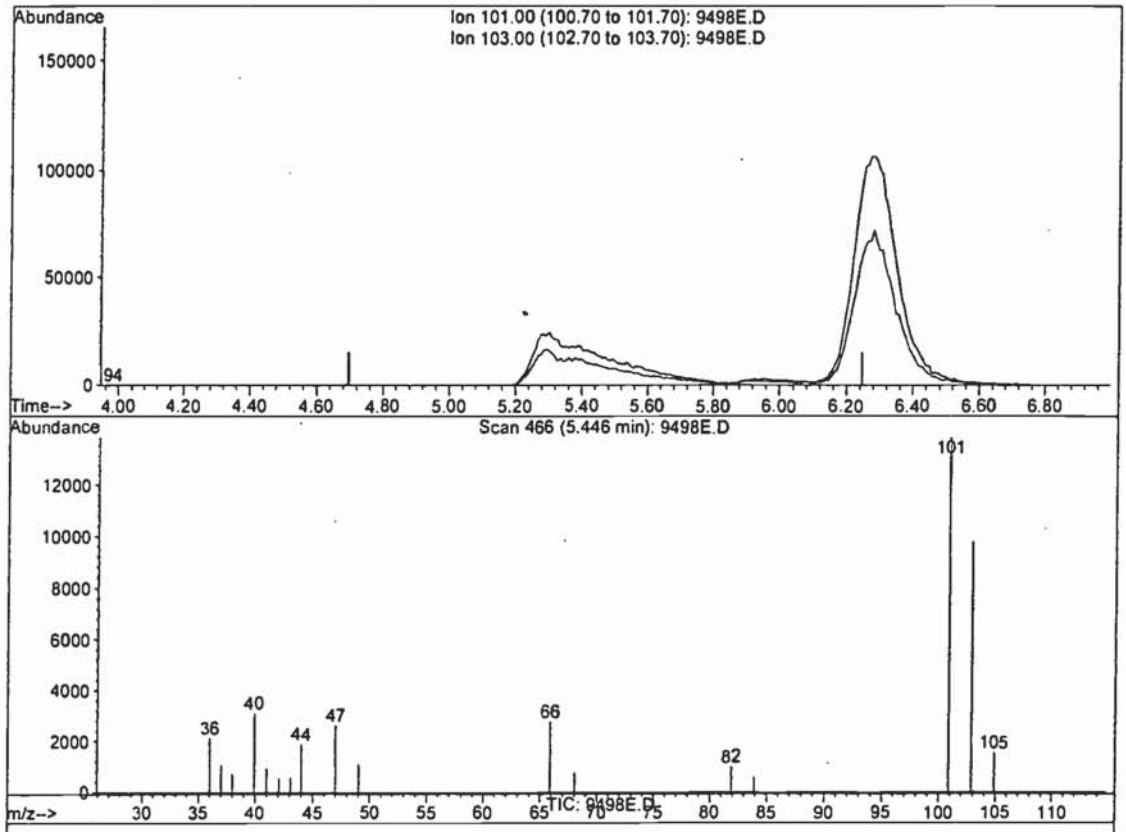
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	12.21#
0.00	0.00	0.00
0.00	0.00	0.00

9498E.D 8260E1.M Thu Oct 05 06:09:20 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D Vial: 1
Acq On : 4 Oct 06 16:46 Operator: HAROLD
Sample : A747905 MSD Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 5 6:09 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.45min 0.00UG/L d

response 0

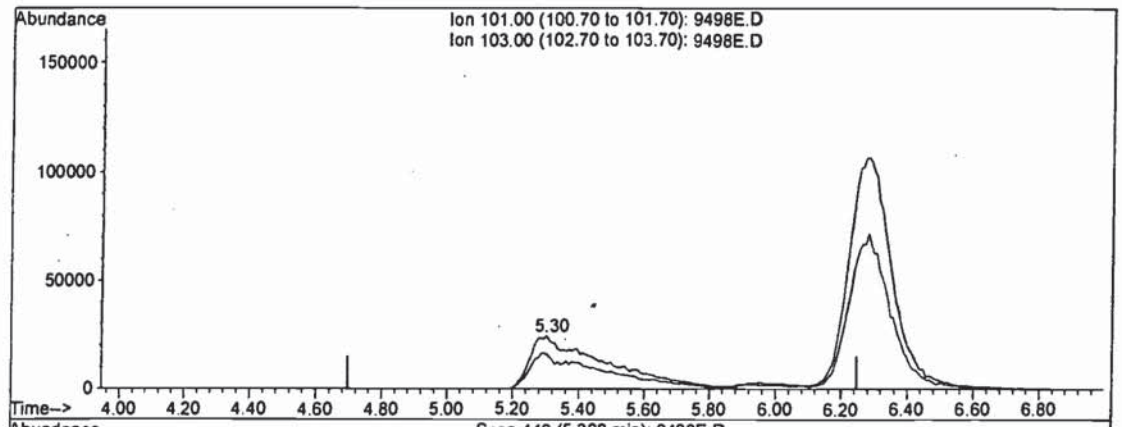
Ion	Exp%	Act%
101.00	100	0.00
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

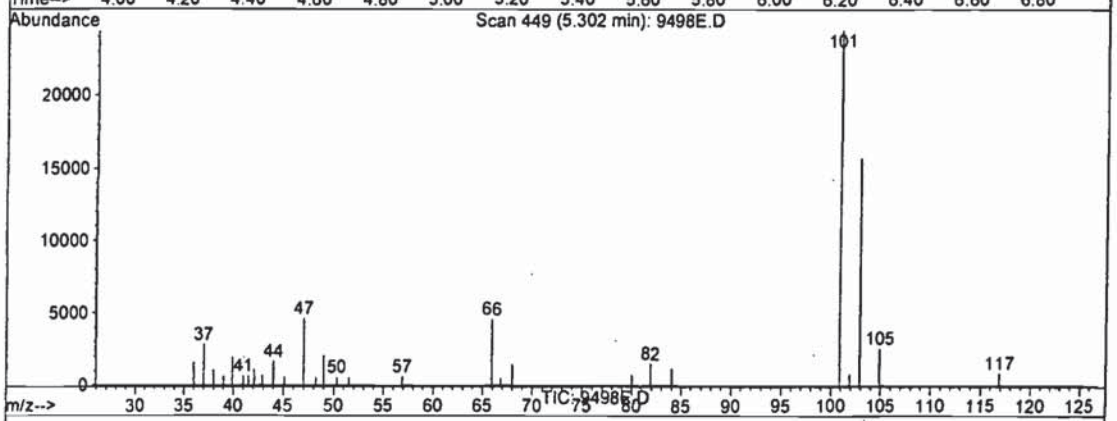
9498E.D 8260E1.M Thu Oct 05 06:09:24 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E100406\9498E.D Vial: 1
Acq On : 4 Oct 06 16:46 Operator: HAROLD
Sample : A747905 MSD Inst : GC/MS Ins
Misc : Multiplr: 1.00
Quant Time: Oct 5 6:09 2006 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.30min 19.15UG/L m

response 383018

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

9498E.D 8260E1.M Thu Oct 05 06:09:30 2006

R510458

Heritage Environmental Services, LLC

Q1892359

QC Report

QCType SPI01
Date Entered 19Oct06
Analysis Date/Time 17Oct06 11:33:00

Duplicate SampleID A749076
Duplicate QCSampleID
Method 309 Matrix 5

DataFile 9636E.D
Analyst 1365 H. WILLIAMS
Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	51.9		103.8	
217	CARBON TETRACHLORIDE	0	50	48.5		97	
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	42.4		84.8	
21	1,2-DICHLOROETHANE	0	50	49.1		98.2	
8	1,1-DICHLOROETHENE	0	50	51.6		103.2	
2	1,1,1-TRICHLOROETHANE	0	50	48.6		97.2	
750	TRICHLOROETHENE	0	50	63.4		126.8	
768	VINYL CHLORIDE	0	50	39.5		79	
193	BROMOBENZENE	0	50	33.3		66.6	
195	BROMODICHLOROMETHANE	0	50	50.9		101.8	
197	BROMOFORM	0	50	44.1		88.2	
198	BROMOMETHANE	0	50	23.1		46.2	
231	CHLOROBENZENE	0	50	43.5		87	
295	DIBROMOCHLOROMETHANE	0	50	42.5		85	
234	CHLOROETHANE	0	50	37.9		75.8	
235	CHLOROFORM	0	50	46.5		93	
236	CHLOROMETHANE	0	50	38.1		76.2	
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	41.7		83.4	
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	42.3		84.6	
296	DIBROMOMETHANE	0	50	45.5		91	
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	42.8		85.6	
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	42.1		84.2	
746	TRANS-1,2-DICHLOROETHENE	0	50	52.4		104.8	
246	CIS-1,2-DICHLOROETHENE	0	50	56.7		113.4	
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	54.9		109.8	
7	1,1-DICHLOROETHANE	0	50	52.9		105.8	
10	1,1-DICHLOROPROPENE	0	50	47.4		94.8	
23	1,2-DICHLOROPROPANE	0	50	52		104	
27	1,3-DICHLOROPROPANE	0	50	39.8		79.6	
247	CIS-1,3-DICHLOROPROPENE	0	50	52.5		105	
747	TRANS-1,3-DICHLOROPROPENE	0	50	53.8		107.6	
349	ETHYL BENZENE	0	50	42.7		85.4	
680	STYRENE	0	50	45.3		90.6	
4	1,1,2-TRICHLOROETHANE	0	50	52.8		105.6	
1	1,1,1,2-TETRACHLOROETHANE	0	50	48.1		96.2	
3	1,1,2,2-TETRACHLOROETHANE	0	50	43.2		86.4	
703	TETRACHLOROETHENE	0	50	125	!	250	
14	1,2,3-TRICHLOROPROPANE	0	50	36.4		72.8	
724	TOLUENE	0	50	52.8		105.6	
492	M/P-XYLENE	0	100	86.9		86.9	
549	O-XYLENE	0	50	44.4		88.8	
194	BROMOCHLOROMETHANE	0	50	34.7		69.4	
519	N-BUTYLBENZENE	0	50	36.3		72.6	
300	DICHLORODIFLUOROMETHANE	0	50	19.5		39	

10/19/06

R510458 Heritage Environmental Services, LLC Q1892359

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	44.4		88.8	
398	HEXACHLOROBUTADIENE	0	50	23.8		47.6	
432	ISOPROPYLBENZENE (CUMENE)	0	50	43.6		87.2	
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	39.4		78.8	
493	NAPHTHALENE	0	50	38.3		76.6	
532	N-PROPYLBENZENE	0	50	38.8		77.6	
644	SEC-BUTYLBENZENE	0	50	38.2		76.4	
702	TERT-BUTYLBENZENE	0	50	108	!	216	
13	1,2,3-TRICHLOROBENZENE	0	50	35		70	
16	1,2,4-TRICHLOROBENZENE	0	50	39		78	
17	1,2,4-TRIMETHYLBENZENE	0	50	30.6		61.2	
25	1,3,5-TRIMETHYLBENZENE	0	50	42.3		84.6	
105	ACROLEIN	0	250	233		93.2	
99	ACETONE (2-PROPANONE)	0	50	44.3		88.6	
106	ACRYLONITRILE	0	250	493		197.2	
216	CARBON DISULFIDE	0	50	39.2		78.4	
767	VINYL ACETATE	0	50	55.5		111	
52	2-BUTANONE	0	50	38.3		76.6	
91	4-METHYL-2-PENTANONE	0	50	49.7		99.4	
60	2-HEXANONE	0	50	44.1		88.2	
54	2-CHLOROETHYLVINYLETHER	0	50	59		118	
18	1,2-DIBROMOETHANE (EDB)	0	50	53.7		107.4	
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	41.5		83	
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	56		112	
422	IODOMETHANE	0	50	49.8		99.6	
709	TETRAHYDROFURAN	0	250	443		177.2	

Qualifiers

! Outside Lab Generated Control Limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1490202	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.54	117	1272288	50.00 UG/L	0.07
63) 1,4-Dichlorobenzene-d4	22.61	152	704007	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.24	65	514406	42.54 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 85.08%#		
44) Toluene-d8	15.34	98	1444530	54.50 UG/L	0.08
Spiked Amount 50.000	Range 44 - 55		Recovery = 109.00%#		
47) Dibromofluoromethane	10.55	113	956008	50.22 UG/L	0.08
Spiked Amount 50.000			Recovery = 100.44%		
50) 4-Bromofluorobenzene	20.72	95	1339455	61.53 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 123.06%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.67	85	294714	19.45 UG/L	100
3) Chloromethane	4.07	50	470689	38.09 UG/L	100
4) VINYL CHLORIDE	4.25	62	454634	39.52 UG/L	98
5) Bromomethane	4.80	94	200751	23.06 UG/L	100
6) Chloroethane	4.97	64	226447m	37.92 UG/L	60
7) Trichlorofluoromethane	5.46	101	739393m	44.37 UG/L	100
8) Acrolein	7.80	56	74408	232.52 UG/L	100
9) Diethyl Ether	6.01	59	378395	52.99 UG/L	100
10) Trichlorotrifluoroethane	6.42	101	918098	49.34 UG/L #	100
11) Acetone	6.57	43	172982	44.26 UG/L	92
12) 1,1-DICHLOROETHENE	6.43	96	496293	51.61 UG/L	100
13) Methylene Chloride	7.30	84	672792	54.93 UG/L	76
14) Acrylonitrile	7.77	53	1359894	492.90 UG/L	100
15) Carbon Disulfide	6.86	76	1315497	39.22 UG/L	99
16) Vinyl Acetate	7.81	43	508172	55.48 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	562177	52.43 UG/L #	68
18) 1,1-Dichloroethane	8.57	63	1300018	52.89 UG/L	100
19) Methyl-t-butyl Ether	7.81	73	1194881	56.00 UG/L	100
20) Diispropyl Ether	8.65	45	3196136	54.04 UG/L	100
21) 2-Butanone	9.76	43	967799	38.29 UG/L #	59
22) Ethyl Acetate	9.76	88	26998	66.07 UG/L #	100
23) cis-1,2-Dichloroethene	9.65	96	662752	56.69 UG/L #	49

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.26	83	1083610	46.53 UG/L	97
25) Bromochloromethane	10.09	128	277440m	34.68 UG/L	1
26) 2,2-Dichloropropane	9.64	77	832634	53.04 UG/L #	100
27) Tetrahydrofuran	10.14	42	1038706	442.89 UG/L	100
28) 1,1,1-Trichloroethane	10.62	97	834314	48.63 UG/L #	100
29) Iodomethane	6.74	142	1307315	49.78 UG/L	100
30) 1,1-Dichloropropene	10.93	75	821852	47.35 UG/L #	100
32) Carbon Tetrachloride	10.94	117	761335	48.48 UG/L	94
33) 1,2-Dichloroethane	11.38	62	790189	49.09 UG/L #	100
34) Isobutanol	11.20	43	9785604	21113.28 UG/L	100
35) Benzene	11.35	78	1404932	51.90 UG/L	100
36) N-Butanol	12.51	43	1516546	6590.16 UG/L	100
37) Trichloroethene	12.66	130	787003	63.37 UG/L	97
38) 1,2-DICHLOROPROPANE	13.15	63	855289	52.00 UG/L	100
39) Bromodichloromethane	13.72	83	1261610	50.86 UG/L	98
40) Dibromomethane	13.41	93	617610	45.54 UG/L	97
41) 2-Chloroethylvinylether	14.36	63	485311	59.00 UG/L #	100
42) 4-Methyl-2-Pentanone	15.08	43	1019745	49.71 UG/L	91
43) cis-1,3-Dichloropropene	14.72	75	1050140	52.49 UG/L	100
45) TOLUENE	15.51	91	1550154	52.83 UG/L	100
46) trans-1,3-Dichloropropene	16.01	75	840371	53.78 UG/L	100
48) 1,1,2-Trichloroethane	16.45	97	599210	52.80 UG/L	100
49) 1,2-Dibromoethane	17.59	107	924981	53.67 UG/L #	100
52) 2-Hexanone	17.01	43	766103	44.11 UG/L #	85
53) 1,3-Dichloropropane	16.84	76	897323	39.80 UG/L	100
54) Tetrachloroethene	16.78	166	2250330	124.81 UG/L	96
55) Dibromochloromethane	17.33	129	980351	42.54 UG/L	100
56) Chlorobenzene	18.60	112	1114501	43.48 UG/L	96
57) 1,1,1,2-Tetrachloroethane	18.75	131	695606	48.06 UG/L	100
58) ETHYL BENZENE	18.81	106	465259	42.72 UG/L	89
59) m,p-Xylene	19.03	106	1085470	86.85 UG/L	75
60) o-Xylene	19.78	106	562342	44.42 UG/L	80
61) Styrene	19.81	104	942011	45.28 UG/L #	44
62) Bromoform	20.15	173	890234	44.13 UG/L	100
64) Isopropylbenzene	20.43	105	1423523	43.56 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.96	83	1038889	43.15 UG/L #	100
66) Bromobenzene	20.99	77	1298635	33.34 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.03	110	173282	36.39 UG/L	100
68) n-Propylbenzene	21.15	92	199115	38.83 UG/L	78
69) 1,3,5-Trimethylbenzene	21.44	105	1008326	42.27 UG/L	100
70) 2-Chlorotoluene	21.31	126	400498	41.71 UG/L	100
71) 4-Chlorotoluene	21.49	126	377868	42.25 UG/L	100
72) t-Butylbenzene	22.00	119	2906016	107.96 UG/L	100
73) 1,2,4-Trimethylbenzene	22.05	105	704892	30.58 UG/L	100
74) sec-Butylbenzene	22.31	105	1466401	38.17 UG/L	100
75) p-Isopropyltoluene	22.54	119	911587	39.43 UG/L	100
76) 1,3-Dichlorobenzene	22.51	146	787149	42.75 UG/L	100
77) 1,4-Dichlorobenzene	22.65	146	813380	42.37 UG/L	100
78) n-Butylbenzene	23.15	92	560854	36.31 UG/L	95
79) 1,2-Dichlorobenzene	23.22	146	796021	42.05 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.46	157	246772	41.51 UG/L	100
81) 1,2,4-Trichlorobenzene	25.89	180	405977	39.02 UG/L	100
82) Naphthalene	26.40	128	611792	38.34 UG/L	100
83) Hexachlorobutadiene	26.19	225	278895	23.76 UG/L	100
84) 1,2,3-Trichlorobenzene	26.88	180	335572	34.98 UG/L	100

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

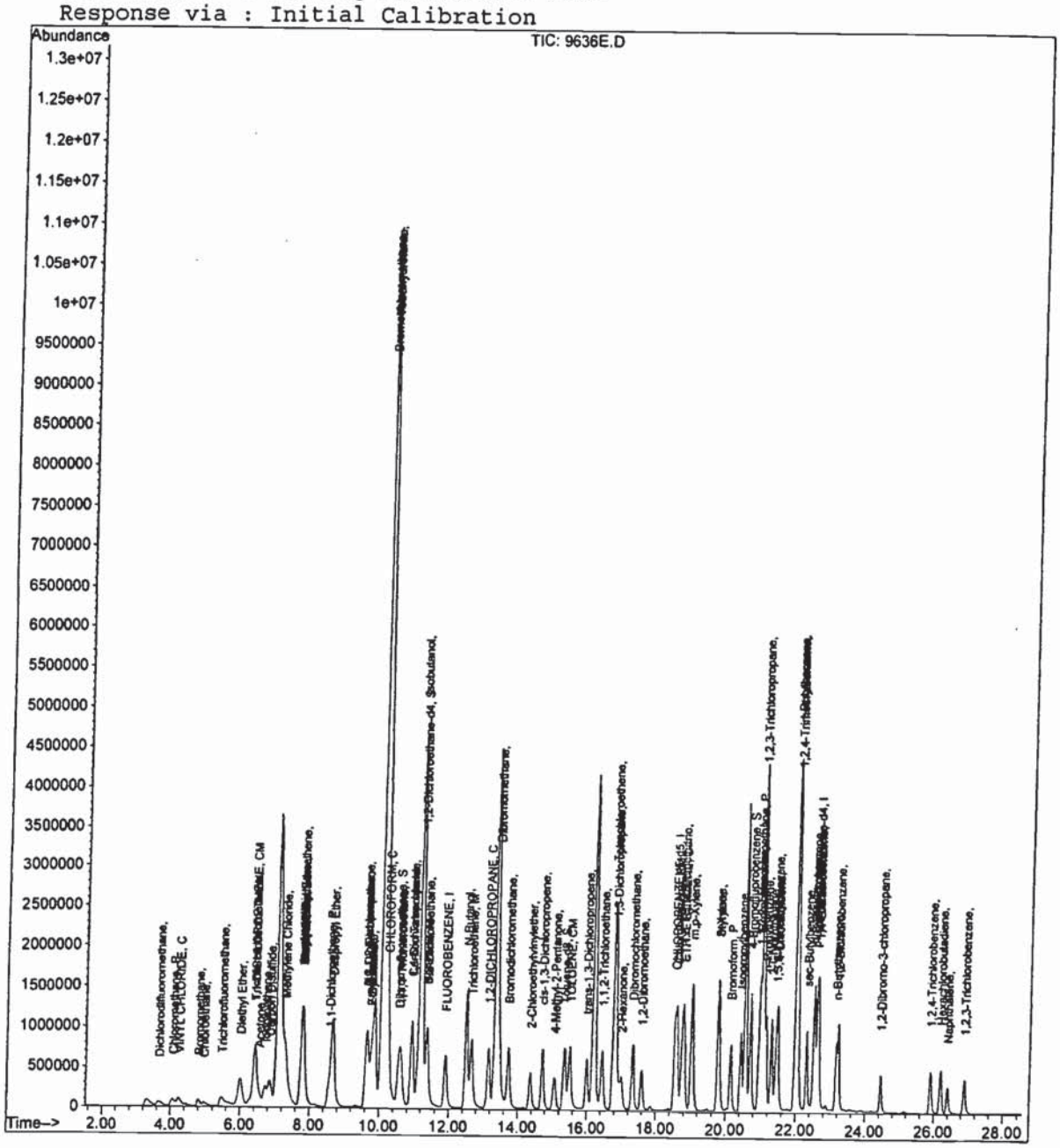
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:50 2006

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

Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

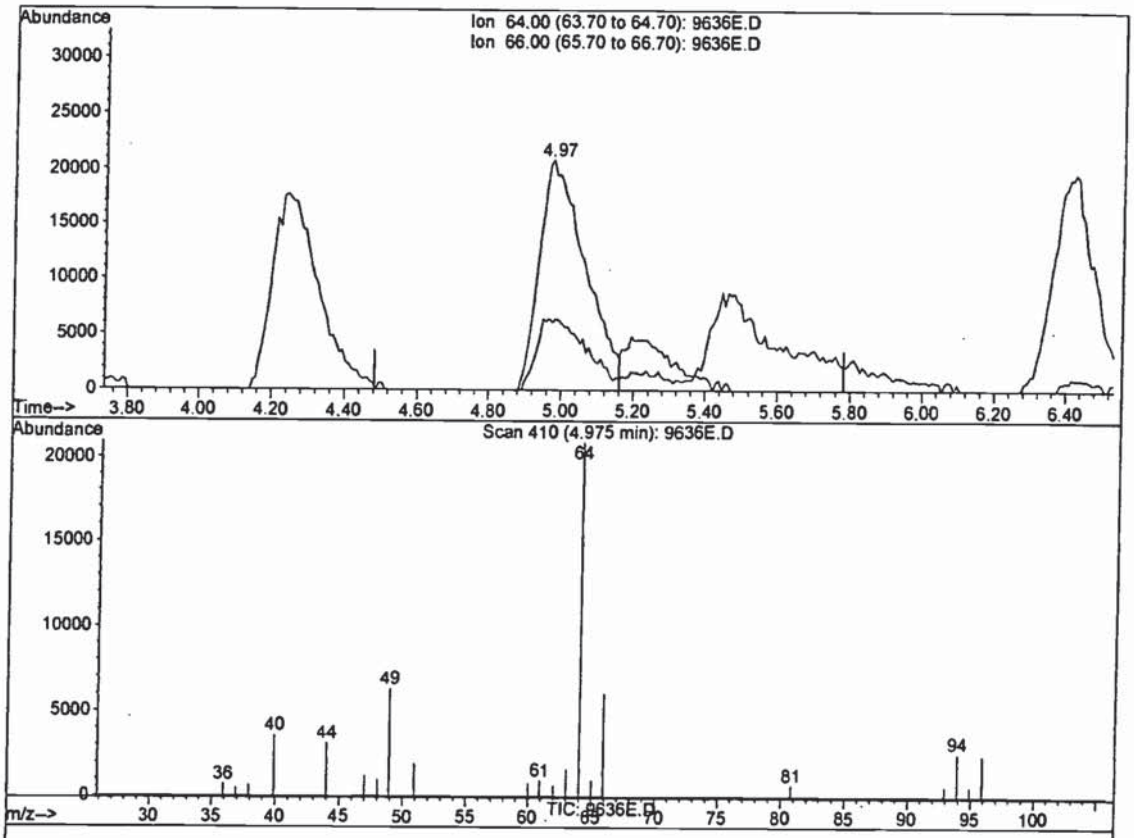


Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:01 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.97min 30.43UG/L

response 181735

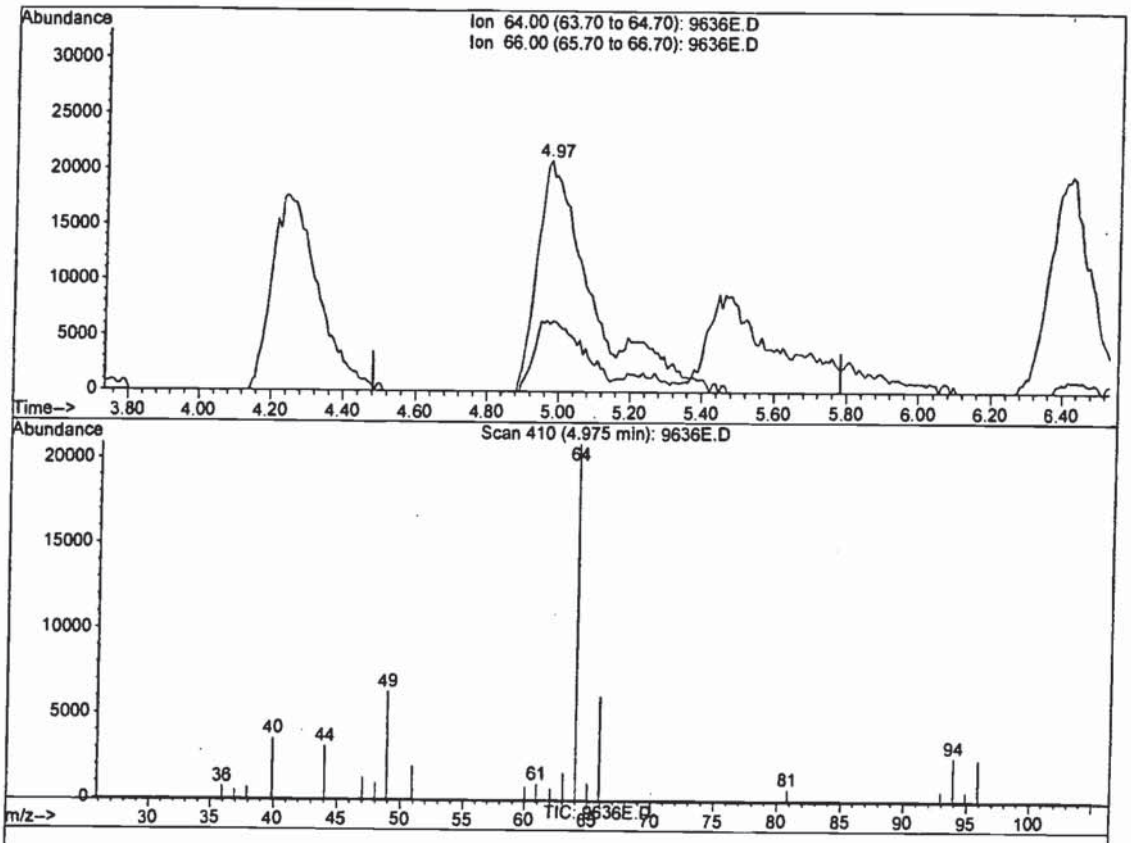
Ion	Exp%	Act%
64.00	100	100
66.00	34.10	11.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.97min 37.92UG/L m

response 226447

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	8.91#
0.00	0.00	0.00
0.00	0.00	0.00

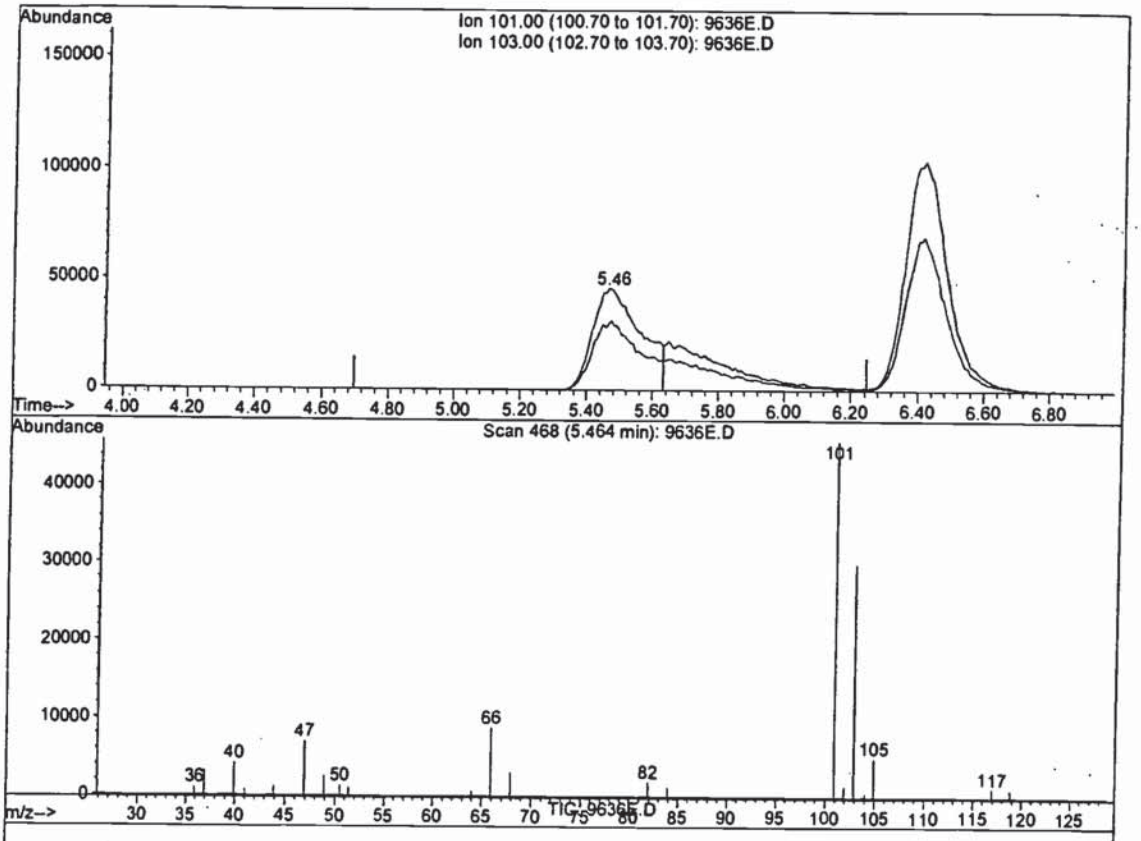
9636E.D 8260E1.M Tue Oct 17 12:50:23 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.46min 28.07UG/L

response 467804

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	65.07
0.00	0.00	0.00
0.00	0.00	0.00

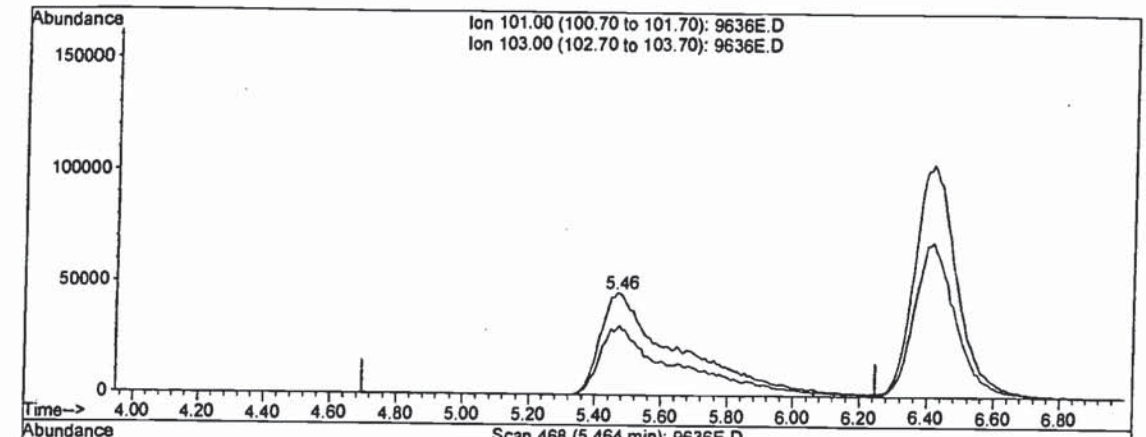
9636E.D 8260E1.M Tue Oct 17 12:50:31 2006

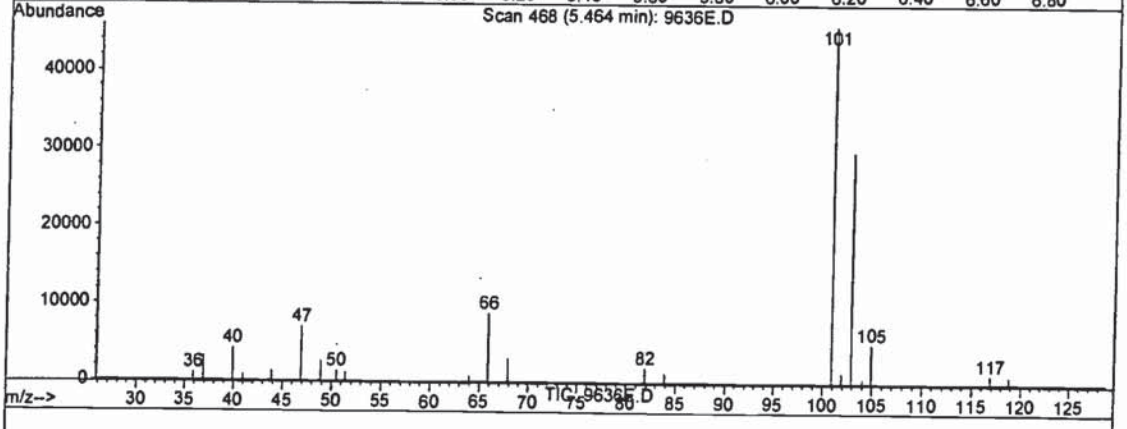
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.46min 44.37UG/L m

response 739393

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	41.17#
0.00	0.00	0.00
0.00	0.00	0.00

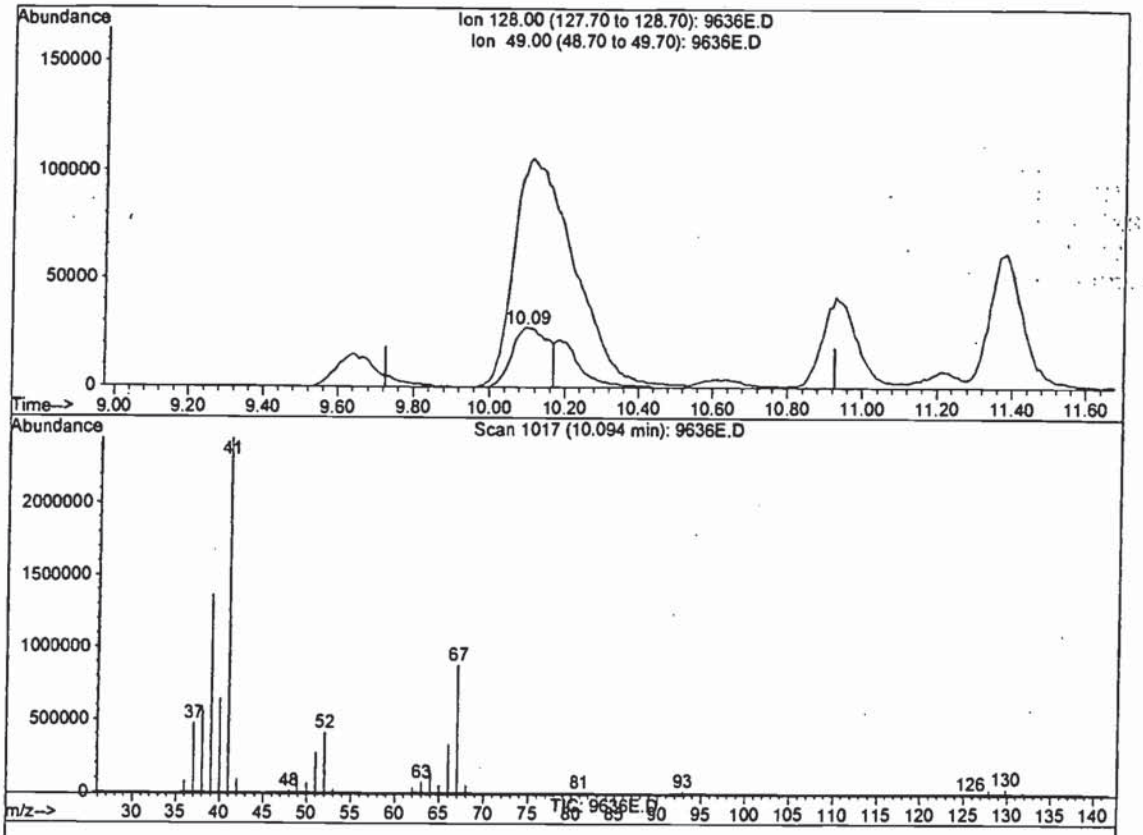
9636E.D 8260E1.M Tue Oct 17 12:50:37 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(25) Bromochloromethane

10.09min 22.81UG/L

response 182486

Ion	Exp%	Act%
128.00	100	100
49.00	254.80	653.10#
0.00	0.00	0.00
0.00	0.00	0.00

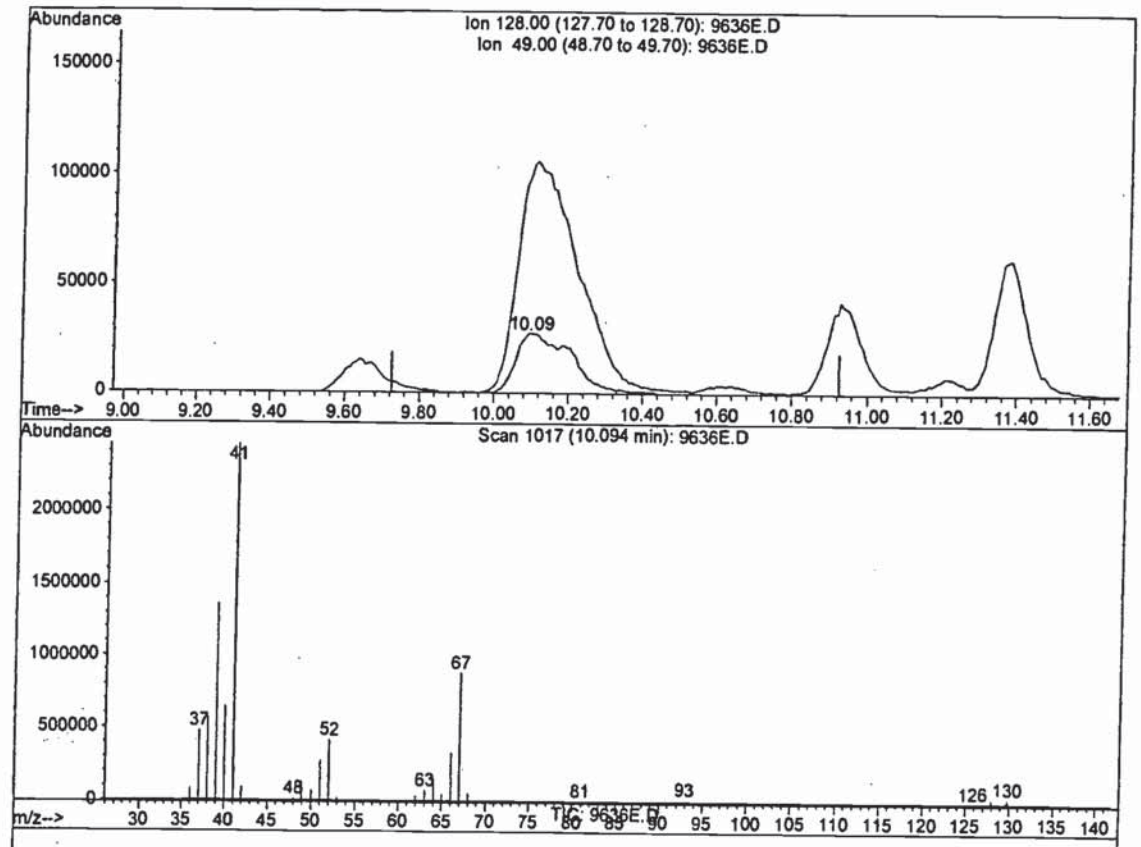
9636E.D 8260E1.M Tue Oct 17 12:50:51 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9636E.D
Acq On : 17 Oct 06 11:33
Sample : A749076 MS 5G
Misc : 10/17/06
Quant Time: Oct 17 12:50 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(25) Bromochloromethane

10.09min 34.68UG/L m

response 277440

Ion	Exp%	Act%
128.00	100	100
49.00	254.80	429.58#
0.00	0.00	0.00
0.00	0.00	0.00

9636E.D 8260E1.M Tue Oct 17 12:50:56 2006

R510458 Heritage Environmental Services, LLC Q1892360

QC Report

QCType DPS01
Date Entered 19Oct06
Analysis Date/Time 17Oct06 12:11:00

Duplicate SampleID A749076
Duplicate QCSampleID Q1892359
Method 309 Matrix 5

DataFile 9637E.D
Analyst 1365 H. WILLIAMS
Units ug/kg

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
151	BENZENE	0	50	47.2		94.4	9.5
217	CARBON TETRACHLORIDE	0	50	43		86	12
29	1,4-DICHLOROBENZENE (P-DICHLOROBENZENE)	0	50	32		64.1	27.7
21	1,2-DICHLOROETHANE	0	50	46.6		93.3	5.1
8	1,1-DICHLOROETHENE	0	50	48.2		96.5	6.7
2	1,1,1-TRICHLOROETHANE	0	50	44.5		89.1	8.8
750	TRICHLOROETHENE	0	50	55.8		111.7	12.6
768	VINYL CHLORIDE	0	50	37.4		74.7	5.6
193	BROMOBENZENE	0	50	25.9		51.9	25
195	BROMODICHLOROMETHANE	0	50	47.2		94.4	7.4
197	BROMOFORM	0	50	41.6		83.2	5.9
198	BROMOMETHANE	0	50	21.4		42.8	7.4
231	CHLOROBENZENE	0	50	37.6		75.1	14.7
295	DIBROMOCHLOROMETHANE	0	50	39.6		79.2	7.2
234	CHLOROETHANE	0	50	37.4		74.8	1.3
235	CHLOROFORM	0	50	43.9		87.9	5.7
236	CHLOROMETHANE	0	50	36		72	5.7
807	2-CHLOROTOLUENE (O-CHLOROTOLUENE)	0	50	30.5		61.1	30.9
808	4-CHLOROTOLUENE (P-CHLOROTOLUENE)	0	50	32.7		65.4	25.5
296	DIBROMOMETHANE	0	50	43.6		87.2	4.4
26	1,3-DICHLOROBENZENE (M-DICHLOROBENZENE)	0	50	31.9		63.8	29.1
20	1,2-DICHLOROBENZENE (O-DICHLOROBENZENE)	0	50	31.9		63.8	27.5
746	TRANS-1,2-DICHLOROETHENE	0	50	49.5		99	5.8
246	CIS-1,2-DICHLOROETHENE	0	50	52.1		104.3	8.4
302	DICHLOROMETHANE (METHYLENE CHLORIDE)	0	50	51.5		103	6.4
7	1,1-DICHLOROETHANE	0	50	48.8		97.6	8.1
10	1,1-DICHLOROPROPENE	0	50	42.6		85.2	10.6
23	1,2-DICHLOROPROPANE	0	50	47.7		95.4	8.6
27	1,3-DICHLOROPROPANE	0	50	37.2		74.4	6.8
247	CIS-1,3-DICHLOROPROPENE	0	50	48.4		96.8	8.1
747	TRANS-1,3-DICHLOROPROPENE	0	50	49.3		98.6	8.7
349	ETHYL BENZENE	0	50	36.1		72.2	16.8
680	STYRENE	0	50	38.9		77.7	15.3
4	1,1,2-TRICHLOROETHANE	0	50	50.8		101.6	3.9
1	1,1,1,2-TETRACHLOROETHANE	0	50	43.3		86.7	10.3
3	1,1,2,2-TETRACHLOROETHANE	0	50	37.8		75.6	13.2
703	TETRACHLOROETHENE	0	50	121	!	242.5	2.9
14	1,2,3-TRICHLOROPROPANE	0	50	33.5		66.9	8.4
724	TOLUENE	0	50	47.6		95.2	10.5
492	M/P-XYLENE	0	100	72.9		72.9	17.5
549	O-XYLENE	0	50	37.5		75.1	16.7
194	BROMOCHLOROMETHANE	0	50	33.4		66.7	4
519	N-BUTYLBENZENE	0	50	22.4		44.7	47.6
300	DICHLORODIFLUOROMETHANE	0	50	17.9	!	35.9	8

R510458 Heritage Environmental Services, LLC Q1892360

QC Report

PRM	Parameter	TruVal	SpikeVal	ObsVal	RQL	Rec	Difference
372	TRICHLOROFLUOROMETHANE	0	50	42.4		84.7	4.6
398	HEXACHLOROBUTADIENE	0	50	16.9		33.7	34
432	ISOPROPYLBENZENE (CUMENE)	0	50	30.1		60.1	36.7
628	4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE)	0	50	25.9		51.8	41.5
493	NAPHTHALENE	0	50	33.7		67.4	12.9
532	N-PROPYLBENZENE	0	50	27		54	36
644	SEC-BUTYLBENZENE	0	50	24		48	45.5
702	TERT-BUTYLBENZENE	0	50	86	I	172.1	22.6
13	1,2,3-TRICHLOROBENZENE	0	50	26		52.1	29.3
16	1,2,4-TRICHLOROBENZENE	0	50	27		54	36.4
17	1,2,4-TRIMETHYLBENZENE	0	50	23	I	46	28.4
25	1,3,5-TRIMETHYLBENZENE	0	50	29.4		58.7	36
105	ACROLEIN	0	250	225		90	3.3
99	ACETONE (2-PROPANONE)	0	50	50.9		101.7	13.9
106	ACRYLONITRILE	0	250	459		183.6	7.1
216	CARBON DISULFIDE	0	50	36.5		73	7.1
767	VINYL ACETATE	0	50	53.2		106.5	4.1
52	2-BUTANONE	0	50	37.3		74.6	2.6
91	4-METHYL-2-PENTANONE	0	50	49.5		98.9	.5
60	2-HEXANONE	0	50	43.8		87.6	.7
54	2-CHLOROETHYLVINYLETHER	0	50	57		114	3.4
18	1,2-DIBROMOETHANE (EDB)	0	50	51		102.1	5
19	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0	50	37.9		75.8	9.1
859	METHYL-T-BUTYL ETHER (MTBE)	0	50	53.4		106.8	4.8
422	IODOMETHANE	0	50	46.8		93.6	6.2
709	TETRAHYDROFURAN	0	250	647		258.8	37.4

Qualifiers

I Outside Lab Generated Control Limits

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) FLUOROBENZENE	11.91	96	1423129	50.00 UG/L	0.08
51) CHLOROBENZENE-d5	18.53	117	1233593	50.00 UG/L	0.07
63) 1,4-Dichlorobenzene-d4	22.61	152	739333	50.00 UG/L	0.06
System Monitoring Compounds					
31) 1,2-Dichloroethane-d4	11.24	65	496786	43.02 UG/L	0.08
Spiked Amount 50.000	Range 40 - 60		Recovery = 86.04%#		
44) Toluene-d8	15.34	98	1387312	54.81 UG/L	0.08
Spiked Amount 50.000	Range 44 - 55		Recovery = 109.62%#		
47) Dibromofluoromethane	10.56	113	920788	50.65 UG/L	0.09
Spiked Amount 50.000			Recovery = 101.30%		
50) 4-Bromofluorobenzene	20.72	95	1351312	65.00 UG/L	0.06
Spiked Amount 50.000	Range 43 - 58		Recovery = 130.00%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.68	85	259451	17.93 UG/L	100
3) Chloromethane	4.08	50	425128	36.02 UG/L	100
4) VINYL CHLORIDE	4.26	62	410311	37.35 UG/L	99
5) Bromomethane	4.81	94	180217	21.42 UG/L	99
6) Chloroethane	4.98	64	213249m	37.39 UG/L	62
7) Trichlorofluoromethane	5.49	101	674268m	42.37 UG/L	94
8) Acrolein	7.82	56	68779	225.06 UG/L	100
9) Diethyl Ether	6.04	59	338852	49.69 UG/L	100
10) Trichlorotrifluoroethane	6.43	101	760702	42.81 UG/L #	100
11) Acetone	6.59	43	189890	50.87 UG/L #	78
12) 1,1-DICHLOROETHENE	6.45	96	442911	48.23 UG/L	100
13) Methylene Chloride	7.32	84	607277	51.50 UG/L #	75
14) Acrylonitrile	7.77	53	1209286	458.97 UG/L	100
15) Carbon Disulfide	6.86	76	1176416	36.53 UG/L	98
16) Vinyl Acetate	7.81	43	465599	53.23 UG/L	100
17) trans-1,2-Dichloroethene	7.79	96	507036	49.51 UG/L #	70
18) 1,1-Dichloroethane	8.58	63	1145032	48.78 UG/L	100
19) Methyl-t-butyl Ether	7.81	73	1087652	53.38 UG/L	100
20) Diispropyl Ether	8.66	45	2842633	50.33 UG/L	100
21) 2-Butanone	9.75	43	900313	37.30 UG/L #	59
22) Ethyl Acetate	9.76	88	24313	62.17 UG/L #	100
23) cis-1,2-Dichloroethene	9.65	96	582158	52.14 UG/L #	48

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
24) CHLOROFORM	10.26	83	976981	43.93 UG/L	97
25) Bromochloromethane	10.10	128	254929m	33.37 UG/L	1
26) 2,2-Dichloropropane	9.64	77	734217	48.97 UG/L #	100
27) Tetrahydrofuran	10.15	42	1448910	646.91 UG/L	100
28) 1,1,1-Trichloroethane	10.63	97	729579	44.53 UG/L #	100
29) Iodomethane	6.74	142	1173936	46.81 UG/L	100
30) 1,1-Dichloropropene	10.93	75	706422	42.62 UG/L #	100
32) Carbon Tetrachloride	10.95	117	644754	42.99 UG/L	93
33) 1,2-Dichloroethane	11.38	62	716945	46.64 UG/L #	100
34) Isobutanol	11.19	43	9609665	21710.87 UG/L	100
35) Benzene	11.36	78	1220241	47.20 UG/L	100
36) N-Butanol	12.51	43	1454046	6616.37 UG/L	100
37) Trichloroethene	12.65	130	662260	55.84 UG/L	100
38) 1,2-DICHLOROPROPANE	13.15	63	749070	47.69 UG/L	100
39) Bromodichloromethane	13.72	83	1117709	47.18 UG/L	98
40) Dibromomethane	13.40	93	564494	43.59 UG/L	99
41) 2-Chloroethylvinylether	14.36	63	447737	57.00 UG/L #	100
42) 4-Methyl-2-Pentanone	15.07	43	969193	49.47 UG/L	91
43) cis-1,3-Dichloropropene	14.71	75	924898	48.41 UG/L	100
45) TOLUENE	15.50	91	1334372	47.62 UG/L	100
46) trans-1,3-Dichloropropene	15.99	75	735693	49.30 UG/L	100
48) 1,1,2-Trichloroethane	16.45	97	550795	50.82 UG/L	100
49) 1,2-Dibromoethane	17.59	107	839944	51.03 UG/L #	100
52) 2-Hexanone	17.00	43	737939	43.82 UG/L #	85
53) 1,3-Dichloropropane	16.83	76	813748	37.22 UG/L	100
54) Tetrachloroethene	16.78	166	2120011	121.27 UG/L	96
55) Dibromochloromethane	17.33	129	885301	39.62 UG/L	100
56) Chlorobenzene	18.59	112	933480	37.56 UG/L	95
57) 1,1,1,2-Tetrachloroethane	18.75	131	608085	43.33 UG/L	100
58) ETHYL BENZENE	18.80	106	381132	36.09 UG/L	92
59) m,p-Xylene	19.03	106	883402	72.90 UG/L	75
60) o-Xylene	19.79	106	460861	37.54 UG/L	82
61) Styrene	19.81	104	784151	38.87 UG/L #	45
62) Bromoform	20.15	173	813886	41.61 UG/L	100
64) Isopropylbenzene	20.43	105	1031391	30.05 UG/L	100
65) 1,1,2,2-Tetrachloroethane	20.96	83	955738	37.80 UG/L #	100
66) Bromobenzene	20.99	77	1060914	25.94 UG/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\DATA\E101706\9637E.D Vial: 1
Acq On : 17 Oct 06 12:11 Operator: REGI
Sample : A749076 MSD 5G Inst : GC/MS Ins
Misc : 10/17/06 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 17 12:52 2006 Quant Results File: 8260E1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration
DataAcq Meth : 8260E1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
67) 1,2,3-Trichloropropane	21.04	110	167357	33.47 UG/L	100
68) n-Propylbenzene	21.16	92	145505	27.02 UG/L	74
69) 1,3,5-Trimethylbenzene	21.44	105	735595	29.36 UG/L	100
70) 2-Chlorotoluene	21.31	126	307951	30.54 UG/L	100
71) 4-Chlorotoluene	21.49	126	307193	32.70 UG/L	100
72) t-Butylbenzene	22.02	119	2432052	86.03 UG/L	100
73) 1,2,4-Trimethylbenzene	22.06	105	557098	23.01 UG/L	100
74) sec-Butylbenzene	22.32	105	968279	24.00 UG/L	100
75) p-Isopropyltoluene	22.54	119	628813	25.90 UG/L	100
76) 1,3-Dichlorobenzene	22.52	146	617178	31.92 UG/L	100
77) 1,4-Dichlorobenzene	22.65	146	646074	32.04 UG/L	100
78) n-Butylbenzene	23.16	92	362917	22.37 UG/L	94
79) 1,2-Dichlorobenzene	23.22	146	634577	31.92 UG/L	100
80) 1,2-Dibromo-3-chloropropan	24.45	157	236587	37.90 UG/L	100
81) 1,2,4-Trichlorobenzene	25.91	180	294835	26.98 UG/L	100
82) Naphthalene	26.41	128	564956	33.72 UG/L	100
83) Hexachlorobutadiene	26.20	225	207665	16.85 UG/L	100
84) 1,2,3-Trichlorobenzene	26.90	180	262382	26.04 UG/L	100

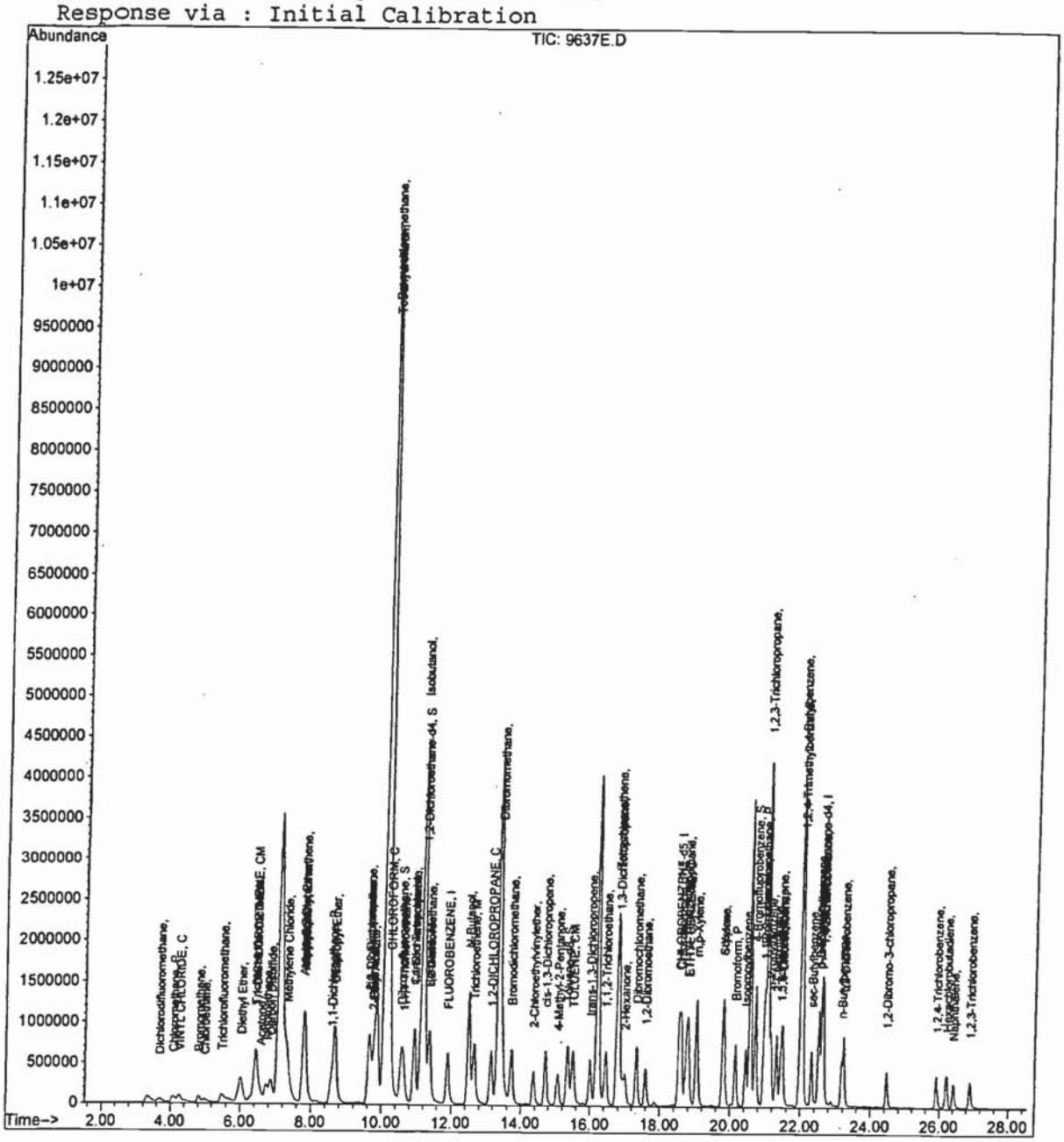
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
MS Integration Params: rteint.p
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 8260E1.RES

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Initial Calibration

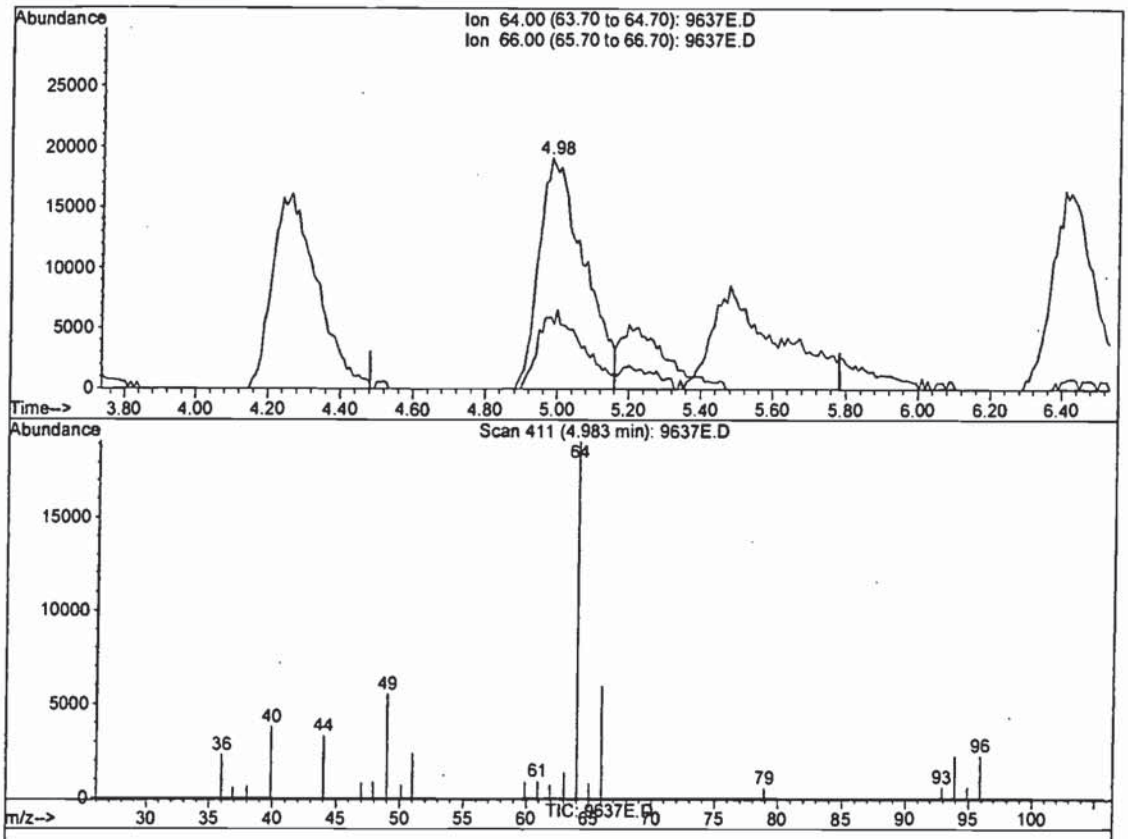


Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:40 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(6) Chloroethane

4.98min 29.24UG/L

response 166745

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	12.48#
0.00	0.00	0.00
0.00	0.00	0.00

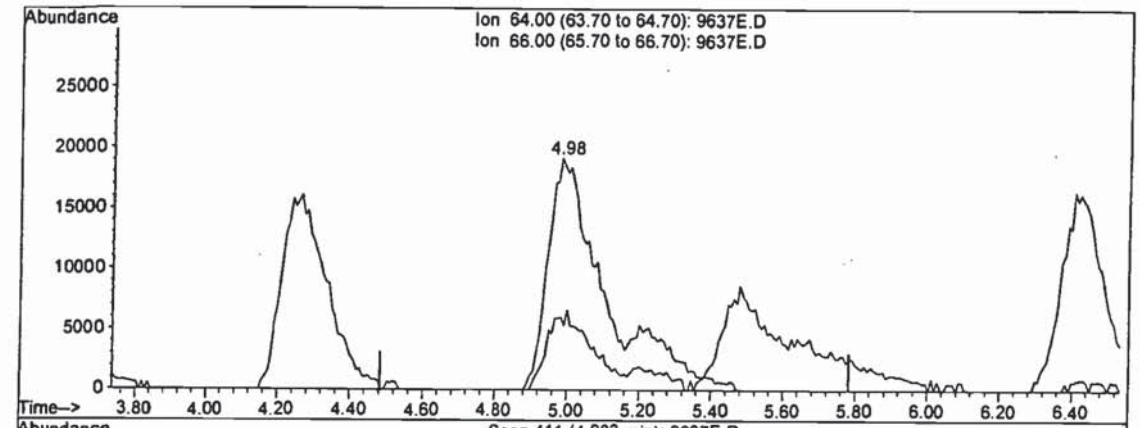
9637E.D 8260E1.M Tue Oct 17 12:52:10 2006

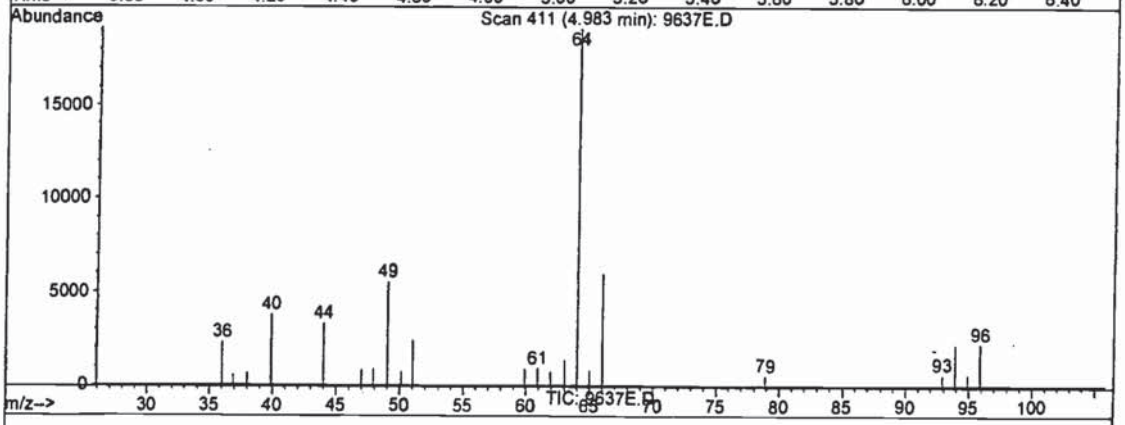
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(6) Chloroethane

4.98min 37.39UG/L m

response 213249

Ion	Exp%	Act%
64.00	100	100
66.00	34.10	9.76#
0.00	0.00	0.00
0.00	0.00	0.00

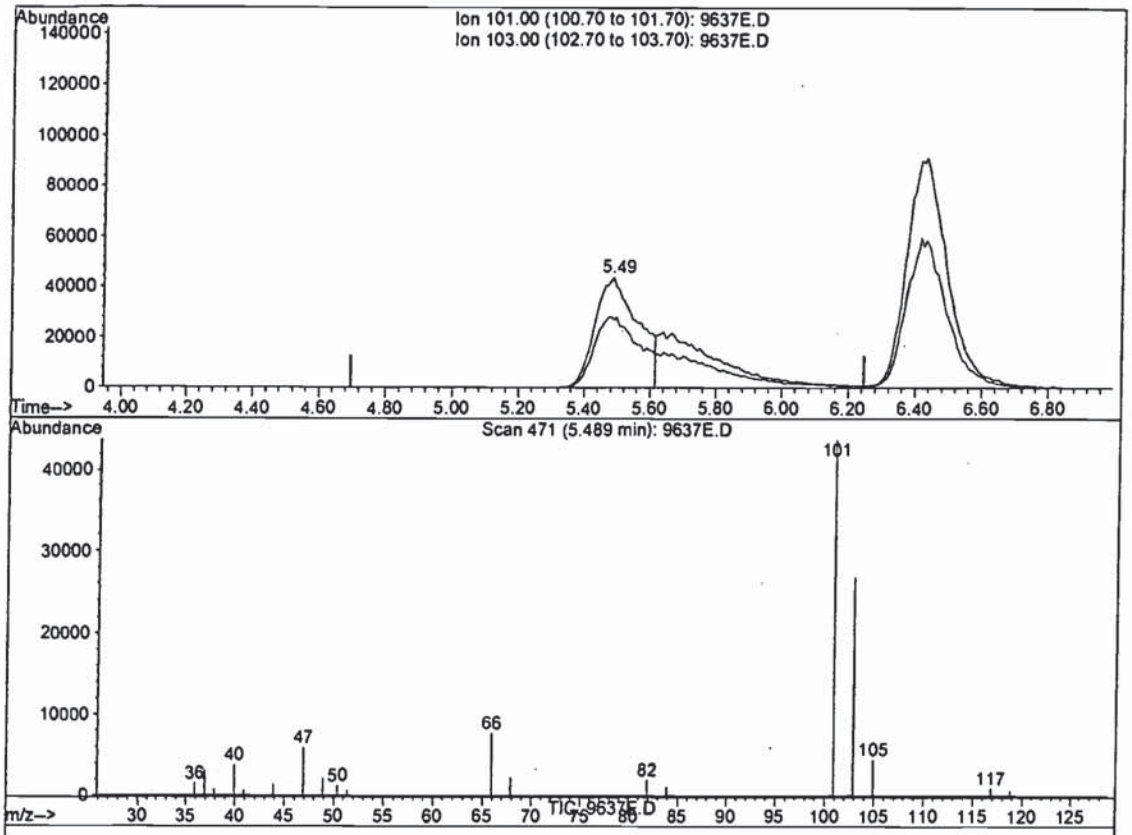
9637E.D 8260E1.M Tue Oct 17 12:52:17 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(7) Trichlorofluoromethane

5.49min 24.94UG/L

response 396927

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	69.87
0.00	0.00	0.00
0.00	0.00	0.00

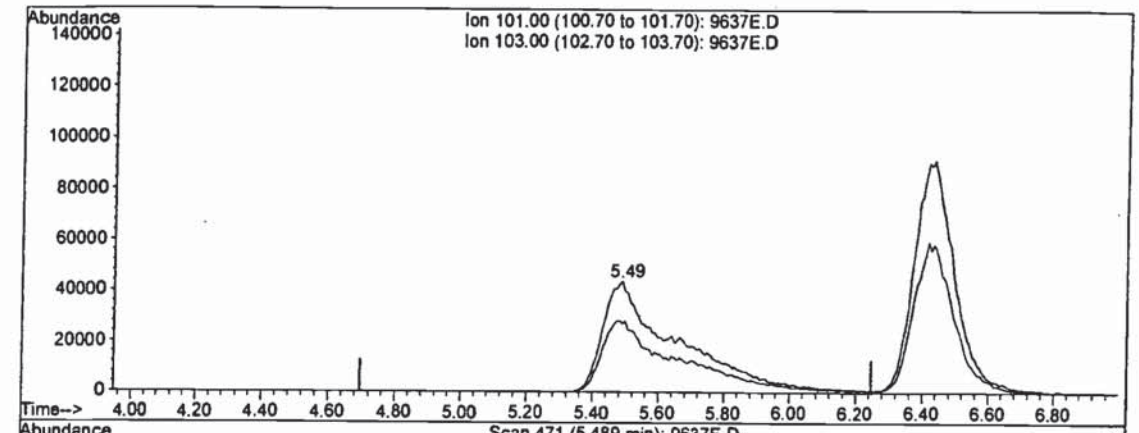
9637E.D 8260E1.M Tue Oct 17 12:52:24 2006

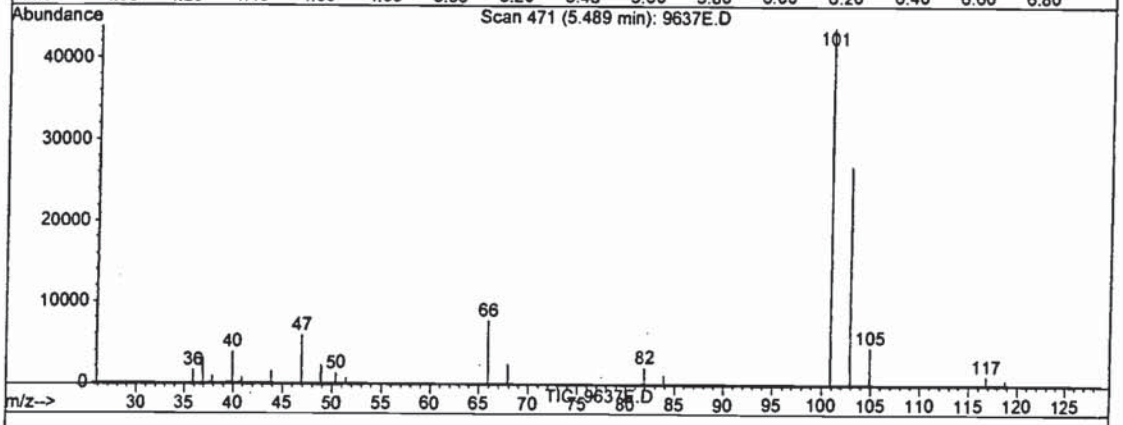
Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration





(7) Trichlorofluoromethane

5.49min 42.37UG/L m

response 674268

Ion	Exp%	Act%
101.00	100	100
103.00	64.80	41.13#
0.00	0.00	0.00
0.00	0.00	0.00

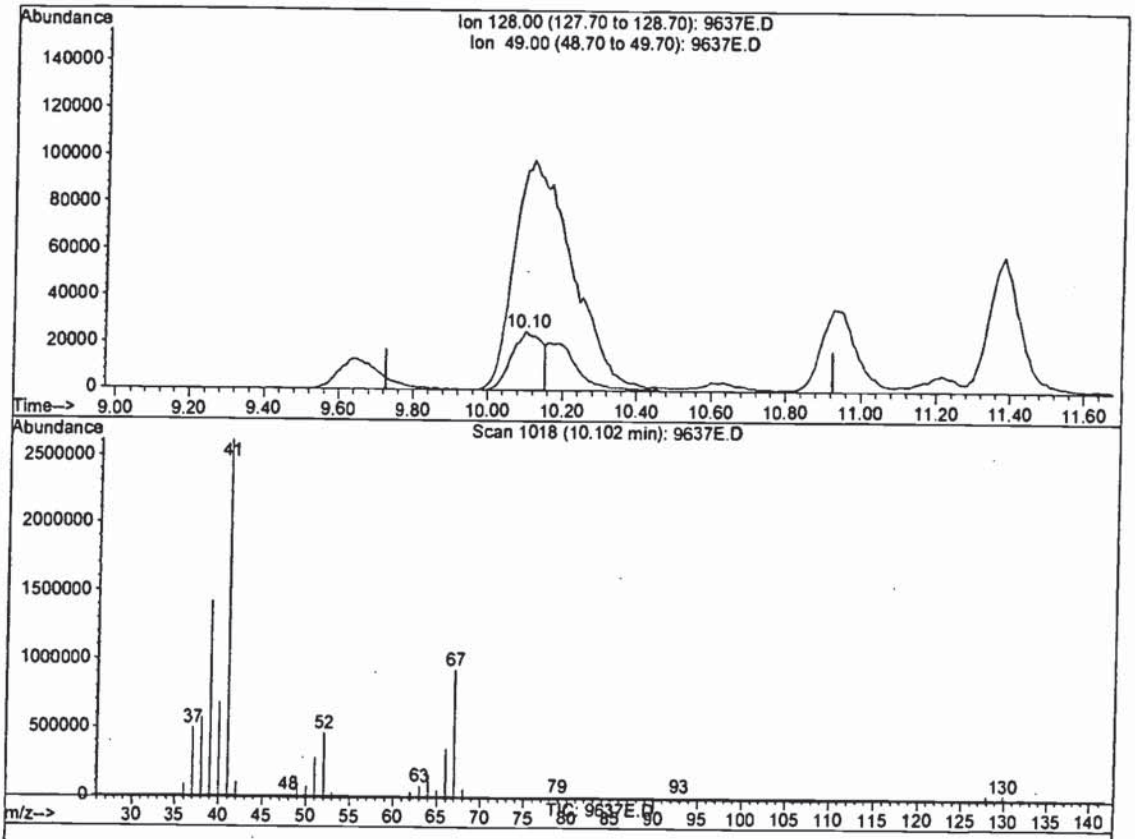
9637E.D 8260E1.M Tue Oct 17 12:52:29 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(25) Bromochloromethane

10.10min 18.17UG/L

response 138858

Ion	Exp%	Act%
128.00	100	100
49.00	254.80	770.87#
0.00	0.00	0.00
0.00	0.00	0.00

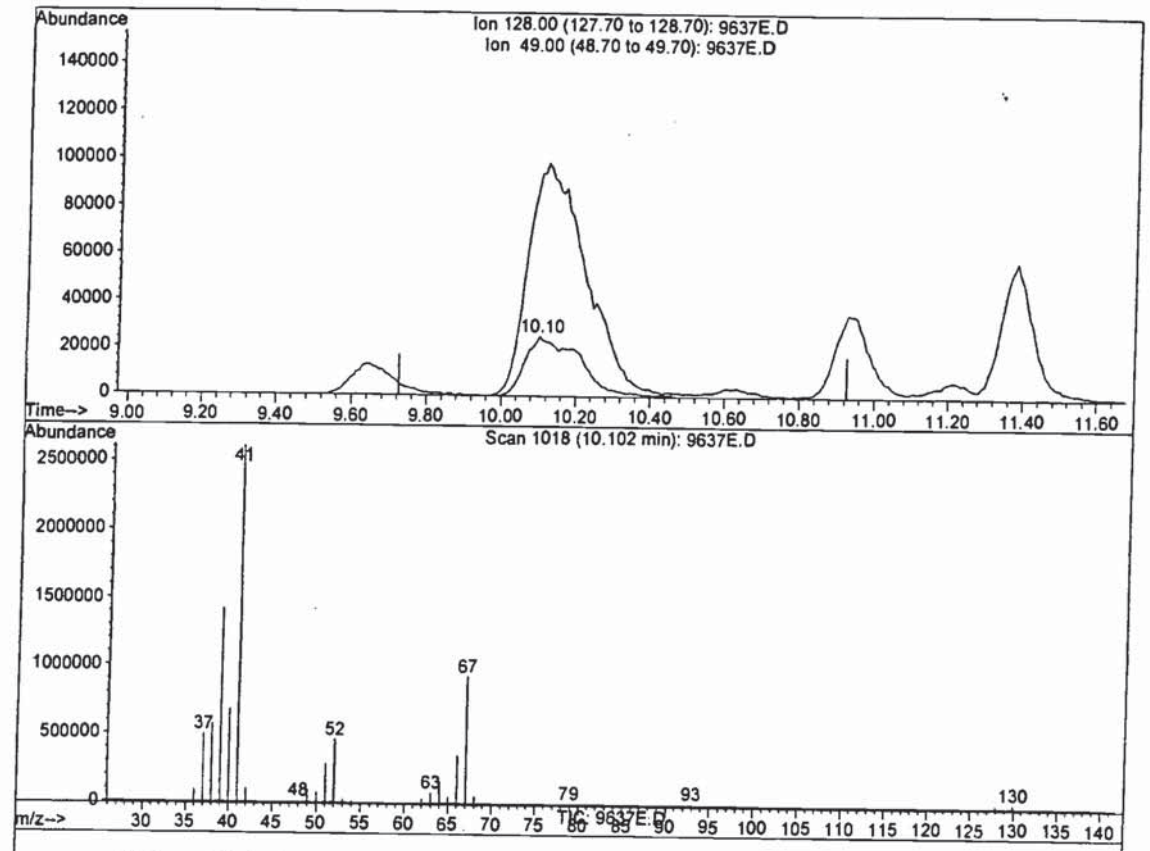
9637E.D 8260E1.M Tue Oct 17 12:52:49 2006

Quantitation Report

Data File : C:\HPCHEM\DATA\E101706\9637E.D
Acq On : 17 Oct 06 12:11
Sample : A749076 MSD 5G
Misc : 10/17/06
Quant Time: Oct 17 12:52 2006

Vial: 1
Operator: REGI
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\8260E1.M (RTE Integrator)
Title : 8260 VOLATILES
Last Update : Tue Aug 22 08:23:16 2006
Response via : Multiple Level Calibration



(25) Bromochloromethane

10.10min 33.37UG/L m

response 254929

Ion	Exp%	Act%
128.00	100	100
49.00	254.80	419.89#
0.00	0.00	0.00
0.00	0.00	0.00