Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 072617_samples_003.D
Acq On : 26 Jul 2017 10:51 am
Operator : AH
Sample : CCV-100ng
Misc : Blank
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 26 11:46:35 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,3-Dichlorobenzene	12.10	146	549717	121.13 ng	99
48) 1,4-Dichlorobenzene	12.18	146	558739	120.84 ng	99
49) 1,2-Dichlorobenzene	12.55	146	544341	119.64 ng	99
50) 1,2-Dibromo-3-chloropr...	13.32	75	61232	118.38 ng	91
51) 1,2,4-Trichlorobenzene	14.16	180	409582	134.34 ng	98
52) Hexachlorobutadiene	14.35	225	197097	150.38 ng	99
53) Naphthalene	14.40	128	1032797	117.06 ng	100
54) 1,2,3-Trichlorobenzene	14.64	180	406416	130.22 ng	99

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

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Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	6.71	96	1929117	250.00 ng		0.02
22) Chlorobenzene-d5	9.84	117	1425131	250.00 ng		0.02
39) 1,4-Dichlorobenzene-d4	12.16	152	754662	250.00 ng		0.01
System Monitoring Compounds						
16) 1,2-Dichloroethane-d4	6.30	65	114213	51.32 ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.64%			
25) Toluene-d8	8.40	98	365620	50.69 ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.38%			
41) 4-Bromofluorobenzene	11.01	174	118251	49.42 ng		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.84%			
Target Compounds						Qvalue
2) 1,1,2-Trichloro-1,2,2-...	2.86	151	151927	106.41 ng		98
3) 1,1-Dichloroethene	2.82	96	181192	106.07 ng		94
4) Acetone	2.89	58	37915	125.40 ng		92
5) Carbon disulfide	3.06	76	634095	109.35 ng		99
6) Methylene Chloride	3.44	84	247317	115.71 ng		92
7) trans-1,2-Dichloroethene	3.86	96	207122	103.89 ng		96
8) Hexane	4.34	57	266516	137.47 ng		94
9) 1,1-Dichloroethane	4.49	63	423327	112.71 ng		99
10) cis-1,2-Dichloroethene	5.31	96	250400	109.96 ng		96
11) 2-Butanone	5.35	72	32113	113.17 ng		74
12) Chloroform	5.73	83	396276	109.92 ng		98
13) Tetrahydrofuran	5.67	42	79279	121.46 ng	#	89
14) 1,1,1-Trichloroethane	5.94	97	304227	103.71 ng		98
15) Carbon tetrachloride	6.14	117	256637	101.94 ng		97
17) Benzene	6.37	78	903859	105.95 ng		98
18) 1,2-Dichloroethane	6.39	62	344408	117.26 ng		99
19) Trichloroethene	7.12	95	244655	110.10 ng		96
20) 1,2-Dichloropropane	7.34	63	264487	120.50 ng		98
21) Bromodichloromethane	7.64	83	317816	112.72 ng		100
23) cis-1,3-Dichloropropene	8.12	75	416050	118.27 ng		91
24) 4-Methyl-2-pentanone	8.29	58	103885	126.00 ng		88
26) Toluene	8.46	92	552815	109.10 ng		99
27) trans-1,3-Dichloropropene	8.69	75	386785	119.05 ng		91
28) 1,1,2-Trichloroethane	8.87	83	210977	123.31 ng		98
29) Tetrachloroethene	9.02	164	179882	111.74 ng		98
30) 2-Hexanone	9.14	43	209250	124.88 ng		95
31) Dibromochloromethane	9.26	129	254008	119.91 ng		99
32) 1,2-Dibromoethane	9.36	107	247711	122.86 ng		99
33) Chlorobenzene	9.87	112	636638	108.72 ng		99
34) Ethylbenzene	9.99	91	1079249	111.01 ng		98
35) m- &/or p-Xylene	10.11	106	424553	113.46 ng		94
36) o-Xylene	10.50	106	412246	111.32 ng		99
37) Styrene	10.51	104	697434	107.68 ng		97
38) Bromoform	10.68	173	187800	113.53 ng		99
40) Isopropylbenzene	10.87	105	1012598	110.81 ng		98
42) 1,1,2,2-Tetrachloroethane	11.15	83	303290	126.75 ng		99
43) n-Propylbenzene	11.28	91	1268389	115.93 ng		98
44) 1,3,5-Trimethylbenzene	11.46	105	900505	113.02 ng		98
45) 1,2,4-Trimethylbenzene	11.83	105	911570	112.74 ng		98
46) Isobutylbenzene	11.97	91	951703	121.75 ng		99

AMH VP1262 07/27/2017

...ng Calibration Report

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QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	250.000	250.000	0.0	90	0.02
2	M	1,1,2-Trichloro-1,2,2-trifl	100.000	106.413	-6.4	100	0.00
3	M	1,1-Dichloroethene	100.000	106.071	-6.1	94	0.00
4	M	Acetone	100.000	125.404	-25.4#	113	-0.02
5	M	Carbon disulfide	100.000	109.354	-9.4	97	0.00
6	M	Methylene Chloride	100.000	115.710	-15.7	103	0.00
7	M	trans-1,2-Dichloroethene	100.000	103.895	-3.9	95	0.00
8	M	Hexane	100.000	137.467	-37.5#	124	0.00
9	M	1,1-Dichloroethane	100.000	112.711	-12.7	101	0.00
10	M	cis-1,2-Dichloroethene	100.000	109.955	-10.0	101	0.00
11	M	2-Butanone	100.000	113.166	-13.2	100	-0.02
12	M	Chloroform	100.000	109.922	-9.9	97	0.00
13	M	Tetrahydrofuran	100.000	121.457	-21.5	109	-0.03
14	M	1,1,1-Trichloroethane	100.000	103.711	-3.7	93	0.00
15	M	Carbon tetrachloride	100.000	101.945	-1.9	93	0.00
16	S	1,2-Dichloroethane-d4	50.000	51.323	-2.6	91	0.00
17	M	Benzene	100.000	105.946	-5.9	95	0.00
18	M	1,2-Dichloroethane	100.000	117.256	-17.3	106	0.00
19	M	Trichloroethene	100.000	110.100	-10.1	96	0.00
20	M	1,2-Dichloropropane	100.000	120.500	-20.5	107	0.00
21	M	Bromodichloromethane	100.000	112.717	-12.7	102	0.00
22	I	Chlorobenzene-d5	250.000	250.000	0.0	87	0.02
23	M	cis-1,3-Dichloropropene	100.000	118.274	-18.3	104	0.00
24	M	4-Methyl-2-pentanone	100.000	125.998	-26.0#	110	-0.02
25	S	Toluene-d8	50.000	50.691	-1.4	87	0.00
26	M	Toluene	100.000	109.103	-9.1	95	0.00
27	M	trans-1,3-Dichloropropene	100.000	119.047	-19.0	105	0.00
28	M	1,1,2-Trichloroethane	100.000	123.305	-23.3	110	0.00
29	M	Tetrachloroethene	100.000	111.743	-11.7	99	0.00
30	M	2-Hexanone	100.000	124.883	-24.9	115	-0.01
31	M	Dibromochloromethane	100.000	119.909	-19.9	107	0.00
32	M	1,2-Dibromoethane	100.000	122.858	-22.9	106	0.00
33	M	Chlorobenzene	100.000	108.725	-8.7	97	0.00
34	M	Ethylbenzene	100.000	111.005	-11.0	97	0.00
35	M	m- &/or p-Xylene	100.000	113.459	-13.5	101	0.00
36	M	o-Xylene	100.000	111.324	-11.3	99	0.00
37	M	Styrene	100.000	107.678	-7.7	99	0.00
38	M	Bromoform	100.000	113.526	-13.5	104	0.00
39	I	1,4-Dichlorobenzene-d4	250.000	250.000	0.0	87	0.01
40	M	Isopropylbenzene	100.000	110.814	-10.8	95	0.00
41	S	4-Bromofluorobenzene	50.000	49.415	1.2	86	0.00
42	M	1,1,2,2-Tetrachloroethane	100.000	126.754	-26.8#	117	0.00
43	M	n-Propylbenzene	100.000	115.929	-15.9	100	0.00
44	M	1,3,5-Trimethylbenzene	100.000	113.023	-13.0	101	0.00
45	M	1,2,4-Trimethylbenzene	100.000	112.741	-12.7	100	0.00
46	M	Isobutylbenzene	100.000	121.747	-21.7	109	0.00
47	M	1,3-Dichlorobenzene	100.000	121.133	-21.1	105	0.00
48	M	1,4-Dichlorobenzene	100.000	120.843	-20.8	107	0.00

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Evaluate Continuing Calibration Report

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 M	1,2-Dichlorobenzene	100.000	119.641	-19.6	105	0.00
50 M	1,2-Dibromo-3-chloropropane	100.000	118.376	-18.4	105	0.00
51 M	1,2,4-Trichlorobenzene	100.000	134.343	-34.3#	118	0.00
52 M	Hexachlorobutadiene	100.000	150.376	-50.4#	132	0.00
53 M	Naphthalene	100.000	117.058	-17.1	105	0.00
54 M	1,2,3-Trichlorobenzene	100.000	130.223	-30.2#	116	0.00

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