Response Factor Report 5972-O

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Initial Calibration

Calibration Files
1 =OV52S1.D 2 =OV53S2.D 5 =OV54S5.D
10 =OV55S10.D 20 =OV56S20.D

		Compound	1	2	5	10	20	Avg		%RSD
1)		ISTD bromochlorometha	----------		ISTD	----------				
2)		Propene	1.148	1.023	1.006	1.147	1.179	1.101		7.23
3)		dichlorodifluorometha	0.988	1.004	0.997	1.070	1.067	1.025	E1	3.89
4)		chloromethane	1.551	1.628	1.570	1.644	1.661	1.611		2.98
5)		freon 114	7.471	7.956	7.935	8.301	8.233	7.979		4.10
6)		vinyl chloride	1.729	1.809	1.818	1.920	2.000	1.855		5.69
7)		1,3-Butadiene	1.020	1.060	1.135	1.176	1.233	1.125		7.65
8)		bromomethane	2.726	2.811	2.739	2.963	2.964	2.841		4.11
9)		chloroethane	0.876	0.931	0.891	0.986	1.017	0.940		6.41
10)		trichlorofluoromethan	1.055	1.074	1.081	1.166	1.145	1.104	E1	4.40
11)		freon 113	5.516	5.787	5.542	5.981	6.035	5.772		4.17
12)		1,1-dichloroethene	1.863	1.849	1.854	2.045	2.101	1.942		6.22
13)		acetone	5.080	5.069	3.944	4.928	4.953	4.795		10.02
14)		carbon disulfide	5.789	5.941	6.215	6.449	6.767	6.232		6.29
15)		methylene chloride	2.684	2.682	2.551	2.766	2.861	2.709		4.24
16)		trans-1,2-dichloroeth	1.802	1.868	1.898	2.157	2.261	1.997		10.00
17)		methyl t-butyl ether	4.208	5.287	4.316	5.616	5.846	5.055		14.86
18)		vinyl acetate	5.135	6.483	5.761	7.220	7.321	6.384		14.73
19)		2-butanone	3.253	3.629	2.850	3.759	3.920	3.482		12.36
20)		cis-1,2-dichloroethen	1.573	1.792	1.719	2.096	2.144	1.865		13.21
21)		1,1-dichloroethane	3.737	3.860	3.694	4.095	4.158	3.909		5.35
22)		Ethyl Acetate	0.370	0.443	0.363	0.478	0.493	0.429		14.07
23)		Hexane	1.647	1.860	1.870	2.044	2.015	1.887		8.37
24)		chloroform	6.093	5.841	5.723	6.521	6.573	6.150		6.29
25)		Tetrahydrofuran	0.948	1.184	1.016	1.434	1.557	1.228		21.38
26)		1,2-dichloroethane	4.310	4.699	4.244	5.002	5.147	4.680		8.61
27)	I	ISTD 1,4-difluorobenz	----------		ISTD	----------				
28)		1,1,1-trichloroethane	1.485	1.598	1.548	1.653	1.639	1.584		4.34
29)		carbon tetrachloride	1.719	1.759	1.797	1.847	1.847	1.793		3.12
30)		benzene	0.809	0.980	0.934	0.997	0.995	0.943		8.37
31)		Cyclohexane	0.533	0.475	0.434	0.438	0.430	0.462		9.42
32)		trichloroethene	0.467	0.506	0.586	0.595	0.603	0.551		11.11
33)		1,2-dichloropropane	0.337	0.374	0.355	0.374	0.371	0.362		4.45
34)		bromodichloromethane	1.402	1.584	1.496	1.574	1.641	1.539		6.02
35)		Heptane	0.225	0.294	0.282	0.308	0.299	0.282		11.62
36)		cis-1,3-dichloroprope	0.489	0.604	0.683	0.775	0.797	0.670		18.96
37)		4-methyl-2-pentanone	0.569	0.848	0.547	0.766	0.780	0.702		19.23
38)		trans-1,3-dichloropro	0.530	0.656	0.683	0.791	0.822	0.696		16.74
39)		1,1,2-trichloroethane	0.479	0.581	0.524	0.530	0.565	0.536		7.41
40)	I	ISTD chlorobenzene-d5	----------		ISTD	----------				
41)		toluene	1.143	1.368	1.350	1.496	1.570	1.385		11.78

(#) = Out of Range

Response Factor Report 5972-O

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Initial Calibration

Calibration Files
1 =OV52S1.D 2 =OV53S2.D 5 =OV54S5.D
10 =OV55S10.D 20 =OV56S20.D

		Compound	1	2	5	10	20	Avg	%RSD
42)		2-hexanone	0.557	0.893	0.562	0.814	0.881	0.741	22.78
43)		tetrachloroethene	1.080	1.183	0.711	0.800	0.839	0.923	21.62
44)		dibromochloromethane	1.647	1.834	1.674	1.819	1.873	1.769	5.74
45)		1,2-dibromoethane	1.043	1.231	1.124	1.241	1.272	1.182	8.12
46)		chlorobenzene	1.122	1.225	1.031	1.073	1.091	1.108	6.57
47)		ethyl benzene	0.334	0.472	0.388	0.472	0.505	0.434	16.26
48)		m,p-xylene	0.522	0.653	0.508	0.596	0.605	0.577	10.50
49)		o-xylene	0.471	0.621	0.522	0.578	0.573	0.553	10.40
50)		Xylene (total)	1.543	1.923	1.491	1.709	1.742	1.682	10.23
51)		styrene	0.590	0.847	0.728	0.873	0.950	0.797	17.68
52)		bromoform	2.597	2.679	1.471	1.618	1.618	1.997	29.53
53)		1,1,2,2-tetrachloroet	1.284	1.390	0.892	0.968	0.982	1.103	19.86
54)	S	Bromofluorobenzene	0.803	0.796	0.779	0.760	0.798	0.787	2.24
55)		4-ethyl toluene	1.232	1.660	1.196	1.588	1.751	1.485	17.15
56)		1,3,5-trimethylbenzen	1.276	1.712	1.132	1.310	1.547	1.395	16.60
57)		1,2,4-trimethylbenzen	1.104	1.478	0.928	1.183	1.365	1.212	17.85
58)		m-dichlorobenzene	1.324	1.398	0.807	0.839	0.860	1.046	27.72
59)		p-dichlorobenzene	1.185	1.418	0.865	0.844	0.922	1.047	23.72
60)		Benzyl Chloride	1.585	1.944	1.020	1.223	1.264	1.407	25.72
61)		o-dichlorobenzene	1.002	1.173	0.643	0.712	0.751	0.856	26.08
62)		1,2,4-trichlorobenzen	0.517	0.758	0.309	0.525	0.632	0.548	30.17
63)		Naphthalene	0.685	1.152	0.442	0.817	0.981	0.816	33.45
64)		hexachloro-1,3-butadi	1.269	1.479	0.573	0.676	0.705	0.940	43.16

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\SEP11O\28SEP11O\OV57ICV.D
Acq Time : 09/28/2011 20:59 Operator: LMR
Sample : 10.0 PPB ICV Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	109	-0.02
2		Propene	1.101	1.175	-6.7	111	-0.01
3		dichlorodifluoromethane	10.252	9.970	2.8	101	-0.02
4		chloromethane	1.611	1.636	-1.6	108	-0.02
5		freon 114	7.979	8.416	-5.5	110	-0.03
6		vinyl chloride	1.855	2.007	-8.2	114	-0.01
7		1,3-Butadiene	1.125	1.136	-1.0	105	-0.02
8		bromomethane	2.841	2.815	0.9	103	-0.03
9		chloroethane	0.940	0.972	-3.4	107	-0.02
10		trichlorofluoromethane	11.042	10.829	1.9	101	-0.02
11		freon 113	5.772	6.077	-5.3	111	-0.02
12		1,1-dichloroethene	1.942	2.138	-10.1	114	-0.03
13		acetone	4.795	4.635	3.3	102	-0.02
14		carbon disulfide	6.232	6.619	-6.2	112	-0.02
15		methylene chloride	2.709	2.833	-4.6	111	-0.03
16		trans-1,2-dichloroethene	1.997	2.177	-9.0	110	-0.03
17		methyl t-butyl ether	5.055	5.959	-17.9	115	-0.03
18		vinyl acetate	6.384	7.326	-14.8	110	-0.03
19		2-butanone	3.482	3.969	-14.0	115	-0.02
20		cis-1,2-dichloroethene	1.865	2.095	-12.3	109	-0.03
21		1,1-dichloroethane	3.909	4.038	-3.3	107	-0.03
22		Ethyl Acetate	0.429	0.500	-16.6	114	-0.02
23		Hexane	1.887	2.065	-9.4	110	-0.03
24		chloroform	6.150	6.343	-3.1	106	-0.02
25		Tetrahydrofuran	1.228	1.615	-31.5#	123	-0.02
26		1,2-dichloroethane	4.680	4.815	-2.9	105	-0.03
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	111	-0.02
28		1,1,1-trichloroethane	1.584	1.567	1.1	105	-0.02
29		carbon tetrachloride	1.793	1.726	3.7	103	-0.02
30		benzene	0.943	0.950	-0.7	105	-0.02
31		Cyclohexane	0.462	0.431	6.7	109	-0.03
32		trichloroethene	0.551	0.600	-8.9	111	-0.02
33		1,2-dichloropropane	0.362	0.370	-2.2	110	-0.02
34		bromodichloromethane	1.539	1.501	2.5	105	-0.03
35		Heptane	0.282	0.303	-7.4	109	-0.02
36		cis-1,3-dichloropropene	0.670	0.744	-11.0	106	-0.02
37		4-methyl-2-pentanone	0.702	0.867	-23.5	125	-0.02
38		trans-1,3-dichloropropene	0.696	0.746	-7.2	104	-0.02
39		1,1,2-trichloroethane	0.536	0.549	-2.4	114	-0.03
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	110	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\SEP11O\28SEP11O\OV57ICV.D
Acq Time : 09/28/2011 20:59 Operator: LMR
Sample : 10.0 PPB ICV Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.385	1.366	1.4	100	-0.02
42		2-hexanone	0.741	0.946	-27.7	128	-0.02
43		tetrachloroethene	0.923	0.716	22.4	98	-0.02
44		dibromochloromethane	1.769	1.688	4.6	102	-0.01
45		1,2-dibromoethane	1.182	1.141	3.5	101	-0.02
46		chlorobenzene	1.108	1.061	4.2	109	-0.01
47		ethyl benzene	0.434	0.467	-7.6	109	-0.02
48		m,p-xylene	0.577	0.570	1.2	105	-0.01
49		o-xylene	0.553	0.520	6.0	99	-0.02
50		Xylene (total)	1.682	1.587	5.6	102	-0.02
51		styrene	0.797	0.862	-8.2	109	-0.02
52		bromoform	1.997	1.455	27.1	99	-0.02
53		1,1,2,2-tetrachloroethane	1.103	0.954	13.5	108	-0.01
54	S	Bromofluorobenzene	0.787	0.742	5.7	107	-0.02
55		4-ethyl toluene	1.485	1.504	-1.3	104	-0.01
56		1,3,5-trimethylbenzene	1.395	1.321	5.3	111	-0.02
57		1,2,4-trimethylbenzene	1.212	1.183	2.4	110	-0.02
58		m-dichlorobenzene	1.046	0.778	25.6	102	-0.02
59		p-dichlorobenzene	1.047	0.798	23.8	104	-0.01
60		Benzyl Chloride	1.407	1.125	20.0	101	-0.02
61		o-dichlorobenzene	0.856	0.688	19.6	106	-0.01
62		1,2,4-trichlorobenzene	0.548	0.544	0.7	114	0.00
63		Naphthalene	0.816	0.778	4.7	105	0.00
64		hexachloro-1,3-butadiene	0.940	0.668	28.9	109	0.02

Evaluate Continuing Calibration Report

Data File : J:\O\2011\SEP11O\28SEP11O\OV58LCS.D
Acq Time : 09/28/2011 21:34 Operator: LMR
Sample : QC- Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	111	-0.03
2		Propene	1.101	1.095	0.5	106	0.00
3		dichlorodifluoromethane	10.252	9.721	5.2	101	-0.02
4		chloromethane	1.611	1.655	-2.7	111	-0.02
5		freon 114	7.979	7.846	1.7	105	-0.02
6		vinyl chloride	1.855	1.906	-2.7	110	-0.02
7		1,3-Butadiene	1.125	1.140	-1.3	107	-0.02
8		bromomethane	2.841	2.782	2.1	104	-0.02
9		chloroethane	0.940	0.956	-1.7	107	-0.02
10		trichlorofluoromethane	11.042	10.701	3.1	102	-0.03
11		freon 113	5.772	5.578	3.4	103	-0.03
12		1,1-dichloroethene	1.942	1.965	-1.2	106	-0.02
13		acetone	4.795	4.574	4.6	103	-0.03
14		carbon disulfide	6.232	6.564	-5.3	113	-0.03
15		methylene chloride	2.709	2.654	2.0	106	-0.02
16		trans-1,2-dichloroethene	1.997	2.191	-9.7	112	-0.03
17		methyl t-butyl ether	5.055	5.430	-7.4	107	-0.02
18		vinyl acetate	6.384	7.047	-10.4	108	-0.02
19		2-butanone	3.482	3.586	-3.0	106	-0.03
20		cis-1,2-dichloroethene	1.865	2.057	-10.3	109	-0.03
21		1,1-dichloroethane	3.909	3.960	-1.3	107	-0.02
22		Ethyl Acetate	0.429	0.488	-13.8	113	-0.03
23		Hexane	1.887	2.085	-10.5	113	-0.03
24		chloroform	6.150	6.183	-0.5	105	-0.03
25		Tetrahydrofuran	1.228	1.432	-16.6	110	-0.02
26		1,2-dichloroethane	4.680	4.737	-1.2	105	-0.02
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	108	-0.02
28		1,1,1-trichloroethane	1.584	1.593	-0.6	104	-0.03
29		carbon tetrachloride	1.793	1.792	0.1	105	-0.03
30		benzene	0.943	1.030	-9.2	111	-0.02
31		Cyclohexane	0.462	0.442	4.3	109	-0.02
32		trichloroethene	0.551	0.586	-6.4	106	-0.02
33		1,2-dichloropropane	0.362	0.375	-3.6	108	-0.03
34		bromodichloromethane	1.539	1.502	2.4	103	-0.02
35		Heptane	0.282	0.297	-5.3	104	-0.02
36		cis-1,3-dichloropropene	0.670	0.788	-17.6	110	-0.02
37		4-methyl-2-pentanone	0.702	0.726	-3.4	102	-0.01
38		trans-1,3-dichloropropene	0.696	0.764	-9.8	104	-0.02
39		1,1,2-trichloroethane	0.536	0.535	0.2	109	-0.02
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	108	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\SEP11O\28SEP11O\OV58LCS.D
Acq Time : 09/28/2011 21:34 Operator: LMR
Sample : QC- Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTIA.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Wed Oct 12 10:51:15 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.385	1.541	-11.3	111	-0.03
42		2-hexanone	0.741	0.794	-7.2	105	-0.01
43		tetrachloroethene	0.923	0.809	12.4	109	-0.02
44		dibromochloromethane	1.769	1.781	-0.7	105	-0.02
45		1,2-dibromoethane	1.182	1.249	-5.7	108	-0.02
46		chlorobenzene	1.108	1.110	-0.2	111	0.00
47		ethyl benzene	0.434	0.498	-14.7	113	-0.02
48		m,p-xylene	0.577	0.604	-4.7	109	-0.02
49		o-xylene	0.553	0.599	-8.3	112	-0.02
50		Xylene (total)	1.682	1.716	-2.0	108	-0.02
51		styrene	0.797	0.855	-7.3	105	-0.02
52		bromoform	1.997	1.622	18.8	108	-0.02
53		1,1,2,2-tetrachloroethane	1.103	0.985	10.7	109	0.00
54	S	Bromofluorobenzene	0.787	0.774	1.7	110	-0.02
55		4-ethyl toluene	1.485	1.639	-10.4	111	0.00
56		1,3,5-trimethylbenzene	1.395	1.417	-1.6	116	-0.02
57		1,2,4-trimethylbenzene	1.212	1.249	-3.1	114	-0.02
58		m-dichlorobenzene	1.046	0.867	17.1	111	-0.02
59		p-dichlorobenzene	1.047	0.847	19.1	108	-0.01
60		Benzyl Chloride	1.407	1.204	14.4	106	-0.01
61		o-dichlorobenzene	0.856	0.733	14.4	111	-0.02
62		1,2,4-trichlorobenzene	0.548	0.502	8.4	103	0.00
63		Naphthalene	0.816	0.763	6.5	100	0.00
64		hexachloro-1,3-butadiene	0.940	0.630	33.0#	100	0.02

Response Factor Report 5972-O

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Initial Calibration

Calibration Files
1 =OW07S1.D 2 =OW06S2.D 5 =OW05S5.D
10 =OW04S10.D 20 =OW03S20.D

		Compound	1	2	5	10	20	Avg	%RSD
1)		ISTD bromochlorometha	ISTD						
2)		Propene	0.855	0.956	0.835	0.841	0.932	0.884	6.34
3)		dichlorodifluorometha	7.171	8.042	7.170	7.462	8.053	7.580	5.85
4)		chloromethane	1.059	1.199	1.005	1.072	1.108	1.089	6.61
5)		freon 114	5.484	6.048	5.501	5.650	6.106	5.758	5.20
6)		vinyl chloride	1.240	1.393	1.254	1.309	1.404	1.320	5.77
7)		1,3-Butadiene	0.841	0.897	0.820	0.837	0.895	0.858	4.13
8)		bromomethane	2.009	2.206	1.939	1.955	2.224	2.067	6.68
9)		chloroethane	0.612	0.717	0.673	0.652	0.749	0.681	7.88
10)		trichlorofluoromethan	8.275	8.664	7.659	7.902	8.587	8.217	5.27
11)		freon 113	4.059	4.742	4.099	4.045	4.436	4.276	7.16
12)		1,1-dichloroethene	1.372	1.659	1.447	1.491	1.622	1.518	7.90
13)		acetone	4.686	4.850	3.260	3.523	3.850	4.034	17.46
14)		carbon disulfide	4.061	4.507	4.129	4.250	4.580	4.305	5.33
15)		methylene chloride	2.225	2.385	2.009	2.044	2.226	2.178	7.03
16)		trans-1,2-dichloroeth	1.420	1.677	1.467	1.523	1.713	1.560	8.27
17)		methyl t-butyl ether	4.349	5.379	4.078	4.658	5.275	4.748	11.97
18)		vinyl acetate	5.182	6.581	4.906	5.512	6.198	5.676	12.32
19)		2-butanone	2.723	3.427	2.330	2.675	3.064	2.844	14.66
20)		cis-1,2-dichloroethen	1.303	1.525	1.360	1.476	1.651	1.463	9.40
21)		1,1-dichloroethane	2.677	3.062	2.735	2.898	3.211	2.917	7.63
22)		Ethyl Acetate	0.283	0.353	0.306	0.357	0.358	0.331	10.43
23)		Hexane	1.416	1.580	1.409	1.470	1.567	1.488	5.46
24)		chloroform	4.162	4.964	4.246	4.509	5.062	4.589	8.92
25)		Tetrahydrofuran	0.940	1.232	0.878	1.044	1.152	1.049	13.90
26)		1,2-dichloroethane	3.369	4.076	3.515	3.726	4.057	3.749	8.45
27)	I	ISTD 1,4-difluorobenz	ISTD						
28)		1,1,1-trichloroethane	1.100	1.129	1.028	1.184	1.144	1.117	5.21
29)		carbon tetrachloride	1.202	1.221	1.171	1.268	1.301	1.233	4.24
30)		benzene	0.649	0.729	0.663	0.741	0.714	0.699	5.86
31)		Cyclohexane	0.340	0.356	0.307	0.315	0.336	0.331	5.93
32)		trichloroethene	0.362	0.440	0.412	0.456	0.445	0.423	8.95
33)		1,2-dichloropropane	0.273	0.272	0.208	0.259	0.252	0.253	10.43
34)		bromodichloromethane	0.982	1.103	1.003	1.131	1.108	1.065	6.34
35)		Heptane	0.188	0.224	0.196	0.222	0.225	0.211	8.21
36)		cis-1,3-dichloroprope	0.471	0.568	0.498	0.580	0.577	0.539	9.42
37)		4-methyl-2-pentanone	0.584	0.772	0.440	0.544	0.481	0.564	22.84
38)		trans-1,3-dichloropro	0.529	0.615	0.516	0.594	0.607	0.572	8.05
39)		1,1,2-trichloroethane	0.289	0.392	0.343	0.368	0.377	0.354	11.44
40)	I	ISTD chlorobenzene-d5	ISTD						
41)		toluene	1.173	1.421	1.148	1.185	1.175	1.220	9.28

(#) = Out of Range

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Initial Calibration

Calibration Files
1 =OW07S1.D 2 =OW06S2.D 5 =OW05S5.D
10 =OW04S10.D 20 =OW03S20.D

		Compound	1	2	5	10	20	Avg	%RSD
42)		2-hexanone	0.743	0.978	0.503	0.627	0.696	0.709	24.71
43)		tetrachloroethene	0.973	1.043	0.628	0.643	0.666	0.791	25.36
44)		dibromochloromethane	1.351	1.435	1.237	1.323	1.376	1.344	5.42
45)		1,2-dibromoethane	0.927	1.049	0.866	0.890	0.936	0.934	7.55
46)		chlorobenzene	0.905	0.978	0.797	0.854	0.878	0.882	7.55
47)		ethyl benzene	0.383	0.439	0.349	0.393	0.381	0.389	8.35
48)		m,p-xylene	0.517	0.566	0.447	0.468	0.507	0.501	9.22
49)		o-xylene	0.455	0.539	0.399	0.446	0.469	0.462	10.93
50)		Xylene (total)	1.467	1.609	1.191	1.271	1.348	1.377	11.97
51)		styrene	0.725	0.798	0.621	0.705	0.762	0.722	9.27
52)		bromoform	1.954	1.997	1.072	1.113	1.163	1.460	32.35
53)		1,1,2,2-tetrachloroet	0.927	1.015	0.600	0.649	0.696	0.777	23.50
54)	S	Bromofluorobenzene	0.722	0.728	0.710	0.707	0.709	0.715	1.28
55)		4-ethyl toluene	1.665	1.794	1.058	1.133	1.253	1.380	23.83
56)		1,3,5-trimethylbenzen	1.452	1.669	0.935	0.973	1.090	1.224	26.30
57)		1,2,4-trimethylbenzen	1.365	1.542	0.848	0.913	0.987	1.131	26.98
58)		m-dichlorobenzene	1.108	1.223	0.617	0.628	0.684	0.852	34.08
59)		p-dichlorobenzene	1.130	1.256	0.659	0.672	0.720	0.887	31.92
60)		Benzyl Chloride	1.475	1.814	0.912	0.960	1.040	1.240	31.49
61)		o-dichlorobenzene	0.996	1.125	0.511	0.549	0.615	0.759	37.06
62)		1,2,4-trichlorobenzen	0.493	0.675	0.278	0.355	0.396	0.439	34.80
63)		Naphthalene	0.819	1.249	0.421	0.580	0.680	0.750	41.93
64)		hexachloro-1,3-butadi	1.000	1.108	0.460	0.511	0.521	0.720	42.82

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\05OCT11O\OW09ICV.D
Acq Time : 10/05/2011 22:14 Operator: LMR
Sample : 10 PPB ICV STD Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	87	-0.02
2		Propene	0.884	0.853	3.5	88	0.00
3		dichlorodifluoromethane	7.580	7.818	-3.1	91	-0.02
4		chloromethane	1.089	1.048	3.8	85	0.00
5		freon 114	5.758	5.984	-3.9	92	0.00
6		vinyl chloride	1.320	1.312	0.6	87	0.00
7		1,3-Butadiene	0.858	0.837	2.4	87	0.00
8		bromomethane	2.067	2.066	0.0	92	-0.02
9		chloroethane	0.681	0.664	2.5	88	0.00
10		trichlorofluoromethane	8.217	8.829	-7.4	97	0.00
11		freon 113	4.276	4.495	-5.1	96	0.00
12		1,1-dichloroethene	1.518	1.681	-10.7	98	0.00
13		acetone	4.034	3.474	13.9	86	-0.04
14		carbon disulfide	4.305	4.212	2.2	86	0.00
15		methylene chloride	2.178	2.162	0.7	92	0.00
16		trans-1,2-dichloroethene	1.560	1.477	5.3	84	0.00
17		methyl t-butyl ether	4.748	4.562	3.9	85	-0.05
18		vinyl acetate	5.676	5.254	7.4	83	-0.02
19		2-butanone	2.844	2.639	7.2	86	-0.04
20		cis-1,2-dichloroethene	1.463	1.494	-2.1	88	0.00
21		1,1-dichloroethane	2.917	2.943	-0.9	88	0.00
22		Ethyl Acetate	0.331	0.360	-8.8	88	-0.03
23		Hexane	1.488	1.453	2.4	86	0.00
24		chloroform	4.589	4.628	-0.8	89	-0.02
25		Tetrahydrofuran	1.049	1.054	-0.5	88	-0.06
26		1,2-dichloroethane	3.749	3.751	-0.1	87	0.00
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	89	0.00
28		1,1,1-trichloroethane	1.117	1.175	-5.2	89	0.00
29		carbon tetrachloride	1.233	1.331	-7.9	94	0.00
30		benzene	0.699	0.667	4.6	80	0.00
31		Cyclohexane	0.331	0.313	5.4	89	-0.02
32		trichloroethene	0.423	0.435	-2.8	85	0.00
33		1,2-dichloropropane	0.253	0.216	14.6	75	0.00
34		bromodichloromethane	1.065	1.081	-1.5	85	0.00
35		Heptane	0.211	0.205	2.8	82	0.00
36		cis-1,3-dichloropropene	0.539	0.547	-1.5	84	0.00
37		4-methyl-2-pentanone	0.564	0.604	-7.1	99	-0.05
38		trans-1,3-dichloropropene	0.572	0.554	3.1	83	0.00
39		1,1,2-trichloroethane	0.354	0.359	-1.4	87	0.00
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	85	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\05OCT11O\OW09ICV.D
Acq Time : 10/05/2011 22:14 Operator: LMR
Sample : 10 PPB ICV STD Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.220	1.060	13.1	76	0.00
42		2-hexanone	0.709	0.708	0.1	97	-0.05
43		tetrachloroethene	0.791	0.582	26.4	77	0.00
44		dibromochloromethane	1.344	1.267	5.7	82	0.00
45		1,2-dibromoethane	0.934	0.877	6.1	84	0.00
46		chlorobenzene	0.882	0.785	11.0	79	0.00
47		ethyl benzene	0.389	0.347	10.8	75	0.00
48		m,p-xylene	0.501	0.434	13.4	79	0.00
49		o-xylene	0.462	0.409	11.5	78	0.00
50		Xylene (total)	1.377	1.199	12.9	81	0.00
51		styrene	0.722	0.642	11.1	78	0.00
52		bromoform	1.460	1.068	26.8	82	0.00
53		1,1,2,2-tetrachloroethane	0.777	0.637	18.0	84	0.00
54	S	Bromofluorobenzene	0.715	0.720	-0.7	87	0.00
55		4-ethyl toluene	1.380	1.079	21.8	81	0.00
56		1,3,5-trimethylbenzene	1.224	1.010	17.5	89	0.00
57		1,2,4-trimethylbenzene	1.131	0.862	23.8	81	0.00
58		m-dichlorobenzene	0.852	0.665	21.9	90	0.00
59		p-dichlorobenzene	0.887	0.645	27.3	82	0.00
60		Benzyl Chloride	1.240	1.001	19.3	89	0.00
61		o-dichlorobenzene	0.759	0.565	25.6	88	0.00
62		1,2,4-trichlorobenzene	0.439	0.347	21.0	84	0.00
63		Naphthalene	0.750	0.569	24.1	84	0.00
64		hexachloro-1,3-butadiene	0.720	0.550	23.6	92	0.00

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\05OCT11O\OW16LCS.D
Acq Time : 10/06/2011 02:46 Operator: LMR
Sample : 10 PPB LCS Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	79	-0.01
2		Propene	0.884	0.932	-5.4	88	-0.01
3		dichlorodifluoromethane	7.580	9.094	-20.0	97	-0.01
4		chloromethane	1.089	1.195	-9.7	88	0.00
5		freon 114	5.758	6.855	-19.1	96	0.00
6		vinyl chloride	1.320	1.484	-12.4	90	0.00
7		1,3-Butadiene	0.858	0.935	-9.0	89	0.01
8		bromomethane	2.067	2.281	-10.4	93	-0.01
9		chloroethane	0.681	0.727	-6.8	88	0.00
10		trichlorofluoromethane	8.217	10.245	-24.7	103	0.00
11		freon 113	4.276	4.898	-14.5	96	0.00
12		1,1-dichloroethene	1.518	1.723	-13.5	92	0.00
13		acetone	4.034	4.353	-7.9	98	-0.03
14		carbon disulfide	4.305	4.677	-8.6	87	0.00
15		methylene chloride	2.178	2.379	-9.2	92	0.00
16		trans-1,2-dichloroethene	1.560	1.636	-4.9	85	0.00
17		methyl t-butyl ether	4.748	5.063	-6.6	86	-0.04
18		vinyl acetate	5.676	6.141	-8.2	88	-0.01
19		2-butanone	2.844	2.928	-3.0	87	-0.04
20		cis-1,2-dichloroethene	1.463	1.515	-3.6	81	0.00
21		1,1-dichloroethane	2.917	3.225	-10.6	88	0.00
22		Ethyl Acetate	0.331	0.414	-25.1	92	-0.03
23		Hexane	1.488	1.515	-1.8	82	0.00
24		chloroform	4.589	5.406	-17.8	95	-0.01
25		Tetrahydrofuran	1.049	1.116	-6.4	85	-0.05
26		1,2-dichloroethane	3.749	4.469	-19.2	95	0.00
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	80	0.00
28		1,1,1-trichloroethane	1.117	1.391	-24.5	94	0.00
29		carbon tetrachloride	1.233	1.554	-26.0	98	0.00
30		benzene	0.699	0.708	-1.3	76	0.00
31		Cyclohexane	0.331	0.333	-0.6	84	-0.01
32		trichloroethene	0.423	0.435	-2.8	76	0.00
33		1,2-dichloropropane	0.253	0.257	-1.6	79	0.00
34		bromodichloromethane	1.065	1.258	-18.1	89	0.00
35		Heptane	0.211	0.220	-4.3	79	0.00
36		cis-1,3-dichloropropene	0.539	0.609	-13.0	84	0.00
37		4-methyl-2-pentanone	0.564	0.610	-8.2	89	-0.05
38		trans-1,3-dichloropropene	0.572	0.662	-15.7	89	0.00
39		1,1,2-trichloroethane	0.354	0.394	-11.3	85	0.00
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	76	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\05OCT11O\OW16LCS.D
Acq Time : 10/06/2011 02:46 Operator: LMR
Sample : 10 PPB LCS Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI1.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Mon Oct 10 13:43:37 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.220	1.236	-1.3	79	0.00
42		2-hexanone	0.709	0.703	0.8	85	-0.04
43		tetrachloroethene	0.791	0.666	15.8	78	0.00
44		dibromochloromethane	1.344	1.480	-10.1	85	0.00
45		1,2-dibromoethane	0.934	0.981	-5.0	83	0.00
46		chlorobenzene	0.882	0.853	3.3	76	0.00
47		ethyl benzene	0.389	0.385	1.0	74	-0.01
48		m,p-xylene	0.501	0.469	6.4	76	0.00
49		o-xylene	0.462	0.436	5.6	74	0.00
50		Xylene (total)	1.377	1.375	0.1	82	0.00
51		styrene	0.722	0.718	0.6	77	0.00
52		bromoform	1.460	1.270	13.0	86	0.00
53		1,1,2,2-tetrachloroethane	0.777	0.697	10.3	81	0.00
54	S	Bromofluorobenzene	0.715	0.787	-10.1	84	0.00
55		4-ethyl toluene	1.380	1.223	11.4	82	0.00
56		1,3,5-trimethylbenzene	1.224	1.060	13.4	82	0.00
57		1,2,4-trimethylbenzene	1.131	0.995	12.0	83	0.00
58		m-dichlorobenzene	0.852	0.682	20.0	82	0.00
59		p-dichlorobenzene	0.887	0.747	15.8	84	0.00
60		Benzyl Chloride	1.240	1.144	7.7	90	-0.01
61		o-dichlorobenzene	0.759	0.625	17.7	86	0.00
62		1,2,4-trichlorobenzene	0.439	0.329	25.1	70	0.00
63		Naphthalene	0.750	0.545	27.3	71	0.00
64		hexachloro-1,3-butadiene	0.720	0.575	20.1	85	0.00

Response Factor Report 5972-O

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Fri Oct 14 12:07:05 2011
Response via : Initial Calibration

Calibration Files
1 =OX02S1.D 2 =OX03S2.D 5 =OX04S5.D
10 =OX05S10.D 20 =OX06S20.D

		Compound	1	2	5	10	20	Avg	%RSD
1)		ISTD bromochlorometha	ISTD						
2)		Propene	1.024	0.945	1.017	1.119	1.190	1.059	9.04
3)		dichlorodifluorometha	7.153	7.231	7.585	7.477	7.999	7.489	4.48
4)		chloromethane	2.134	1.928	2.037	2.032	2.167	2.060	4.59
5)		freon 114	6.858	6.721	7.144	6.789	7.468	6.996	4.42
6)		vinyl chloride	2.009	1.930	2.086	2.045	2.286	2.071	6.42
7)		1,3-Butadiene	1.232	1.221	1.283	1.272	1.465	1.295	7.63
8)		bromomethane	2.566	2.544	2.721	2.492	2.969	2.659	7.28
9)		chloroethane	1.025	1.032	1.001	0.984	1.186	1.046	7.70
10)		trichlorofluoromethan	7.793	7.831	8.071	7.797	8.387	7.976	3.23
11)		freon 113	4.827	4.493	4.592	4.351	5.191	4.691	7.02
12)		1,1-dichloroethene	1.755	1.586	1.644	1.640	2.076	1.740	11.36
13)		acetone	5.328	4.679	3.813	3.715	4.237	4.355	15.27
14)		carbon disulfide	5.839	6.044	6.644	6.329	6.875	6.346	6.67
15)		methylene chloride	2.886	2.277	2.217	2.227	2.976	2.517	15.10
16)		trans-1,2-dichloroeth	1.574	1.726	1.766	1.918	1.932	1.783	8.30
17)		methyl t-butyl ether	3.323	3.862	4.056	4.075	4.336	3.931	9.64
18)		vinyl acetate	4.343	5.494	5.827	5.743	5.858	5.453	11.67
19)		2-butanone	3.026	3.557	3.127	3.379	3.481	3.314	6.89
20)		cis-1,2-dichloroethen	1.428	1.509	1.689	1.716	1.880	1.644	10.87
21)		1,1-dichloroethane	3.053	3.348	3.465	3.323	3.562	3.350	5.72
22)		Ethyl Acetate	0.411	0.436	0.447	0.506	0.470	0.454	7.88
23)		Hexane	1.782	1.976	2.009	1.935	1.827	1.906	5.12
24)		chloroform	4.455	4.636	4.728	4.693	4.930	4.689	3.65
25)		Tetrahydrofuran	0.923	1.288	1.300	1.401	1.622	1.307	19.36
26)		1,2-dichloroethane	2.964	3.075	3.112	3.066	3.578	3.159	7.61
27)	I	ISTD 1,4-difluorobenz	ISTD						
28)		1,1,1-trichloroethane	1.014	1.133	1.143	1.095	1.124	1.102	4.73
29)		carbon tetrachloride	1.128	1.195	1.256	1.211	1.208	1.200	3.85
30)		benzene	0.834	1.048	0.996	0.917	0.874	0.934	9.42
31)		Cyclohexane	0.510	0.448	0.408	0.396	0.381	0.429	12.12
32)		trichloroethene	0.413	0.442	0.486	0.480	0.456	0.456	6.55
33)		1,2-dichloropropane	0.385	0.372	0.390	0.350	0.367	0.373	4.23
34)		bromodichloromethane	1.046	1.109	1.207	1.185	1.179	1.145	5.83
35)		Heptane	0.252	0.292	0.306	0.276	0.272	0.280	7.31
36)		cis-1,3-dichloroprope	0.417	0.531	0.613	0.623	0.665	0.570	17.27
37)		4-methyl-2-pentanone	0.582	0.775	0.649	0.579	0.673	0.651	12.34
38)		trans-1,3-dichloropro	0.412	0.498	0.551	0.577	0.629	0.534	15.49
39)		1,1,2-trichloroethane	0.436	0.513	0.489	0.461	0.476	0.475	6.08
40)	I	ISTD chlorobenzene-d5	ISTD						
41)		toluene	1.137	1.393	1.331	1.425	1.389	1.335	8.68

(#) = Out of Range

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Fri Oct 14 12:07:05 2011
Response via : Initial Calibration

Calibration Files
1 =OX02S1.D 2 =OX03S2.D 5 =OX04S5.D
10 =OX05S10.D 20 =OX06S20.D

		Compound	1	2	5	10	20	Avg	%RSD
42)		2-hexanone	0.663	0.850	0.666	0.774	0.816	0.754	11.38
43)		tetrachloroethene	0.909	0.928	0.591	0.632	0.626	0.737	22.58
44)		dibromochloromethane	1.387	1.353	1.335	1.381	1.452	1.382	3.21
45)		1,2-dibromoethane	0.976	1.036	1.014	1.029	1.111	1.033	4.76
46)		chlorobenzene	1.030	1.048	0.955	0.914	0.965	0.983	5.63
47)		ethyl benzene	0.335	0.415	0.384	0.413	0.452	0.400	10.86
48)		m,p-xylene	0.461	0.541	0.526	0.507	0.530	0.513	6.19
49)		o-xylene	0.437	0.519	0.475	0.476	0.490	0.479	6.22
50)		Xylene (total)	1.282	1.471	1.357	1.356	1.459	1.385	5.72
51)		styrene	0.575	0.673	0.695	0.756	0.848	0.709	14.26
52)		bromoform	1.940	1.938	1.134	1.155	1.236	1.480	28.39
53)		1,1,2,2-tetrachloroet	1.396	1.334	0.924	0.881	0.871	1.081	24.12
54)	S	Bromofluorobenzene	0.719	0.657	0.697	0.683	0.761	0.703	5.58
55)		4-ethyl toluene	1.108	1.326	1.137	1.143	1.538	1.250	14.59
56)		1,3,5-trimethylbenzen	1.218	1.239	1.056	1.065	1.319	1.180	9.74
57)		1,2,4-trimethylbenzen	1.129	1.191	0.887	0.937	1.263	1.081	15.05
58)		m-dichlorobenzene	1.164	1.095	0.679	0.699	0.736	0.875	26.84
59)		p-dichlorobenzene	1.061	1.061	0.689	0.662	0.718	0.838	24.39
60)		Benzyl Chloride	1.406	1.530	1.001	1.036	1.156	1.226	18.97
61)		o-dichlorobenzene	0.968	0.876	0.571	0.566	0.662	0.728	25.22
62)		1,2,4-trichlorobenzen	0.346	0.461	0.238	0.331	0.374	0.350	22.92
63)		Naphthalene	0.501	0.745	0.367	0.577	0.645	0.567	25.29
64)		hexachloro-1,3-butadi	0.813	0.924	0.454	0.506	0.486	0.637	33.95

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\11OCT11O\OX07ICV.D
Acq Time : 10/11/2011 13:09 Operator: LMR
Sample : 10.0 PPB ICV Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Tue Oct 11 14:03:00 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	111	0.00
2		Propene	1.059	1.100	-3.9	109	0.01
3		dichlorodifluoromethane	7.489	6.849	8.5	101	0.00
4		chloromethane	2.060	1.851	10.1	101	0.00
5		freon 114	6.996	6.391	8.6	104	0.00
6		vinyl chloride	2.071	1.827	11.8	99	0.01
7		1,3-Butadiene	1.295	1.185	8.5	103	0.00
8		bromomethane	2.659	2.407	9.5	107	0.00
9		chloroethane	1.046	0.929	11.2	105	0.00
10		trichlorofluoromethane	7.976	7.065	11.4	100	0.01
11		freon 113	4.691	4.383	6.6	112	0.00
12		1,1-dichloroethene	1.740	1.583	9.0	107	0.00
13		acetone	4.355	3.443	20.9	103	0.00
14		carbon disulfide	6.346	5.904	7.0	103	0.00
15		methylene chloride	2.517	2.302	8.5	115	0.00
16		trans-1,2-dichloroethene	1.783	1.746	2.1	101	0.00
17		methyl t-butyl ether	3.931	3.805	3.2	103	0.00
18		vinyl acetate	5.453	5.260	3.5	101	0.00
19		2-butanone	3.314	3.142	5.2	103	0.00
20		cis-1,2-dichloroethene	1.644	1.603	2.5	104	0.00
21		1,1-dichloroethane	3.350	3.008	10.2	100	0.00
22		Ethyl Acetate	0.454	0.395	13.0	87	0.00
23		Hexane	1.906	1.774	6.9	102	0.00
24		chloroform	4.689	4.187	10.7	99	0.00
25		Tetrahydrofuran	1.307	1.392	-6.5	110	0.00
26		1,2-dichloroethane	3.159	2.853	9.7	103	0.00
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	111	0.00
28		1,1,1-trichloroethane	1.102	1.007	8.6	102	0.00
29		carbon tetrachloride	1.200	1.078	10.2	98	0.00
30		benzene	0.934	0.862	7.7	104	0.00
31		Cyclohexane	0.429	0.342	20.3	96	0.00
32		trichloroethene	0.456	0.434	4.8	100	0.00
33		1,2-dichloropropane	0.373	0.343	8.0	108	0.00
34		bromodichloromethane	1.145	1.004	12.3	94	0.00
35		Heptane	0.280	0.245	12.5	98	0.00
36		cis-1,3-dichloropropene	0.570	0.544	4.6	96	0.00
37		4-methyl-2-pentanone	0.651	0.715	-9.8	137	0.00
38		trans-1,3-dichloropropene	0.534	0.511	4.3	98	0.00
39		1,1,2-trichloroethane	0.475	0.417	12.2	100	0.00
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	110	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\11OCT11O\OX07ICV.D
Acq Time : 10/11/2011 13:09 Operator: LMR
Sample : 10.0 PPB ICV Inst : 5972-O
Misc : 105IS30934 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Tue Oct 11 14:03:00 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.335	1.191	10.8	92	0.00
42		2-hexanone	0.754	0.810	-7.4	115	0.00
43		tetrachloroethene	0.737	0.535	27.4	93	0.00
44		dibromochloromethane	1.382	1.223	11.5	97	0.00
45		1,2-dibromoethane	1.033	0.925	10.5	99	0.00
46		chlorobenzene	0.983	0.817	16.9	98	0.00
47		ethyl benzene	0.400	0.377	5.8	100	0.00
48		m,p-xylene	0.513	0.440	14.2	95	0.00
49		o-xylene	0.479	0.437	8.8	101	0.00
50		Xylene (total)	1.302	1.195	8.2	139	0.00
51		styrene	0.709	0.679	4.2	99	0.00
52		bromoform	1.480	1.024	30.8#	97	0.00
53		1,1,2,2-tetrachloroethane	1.081	0.850	21.4	106	0.00
54	S	Bromofluorobenzene	0.703	0.700	0.4	112	0.00
55		4-ethyl toluene	1.250	1.201	3.9	115	0.00
56		1,3,5-trimethylbenzene	1.180	1.077	8.7	111	0.00
57		1,2,4-trimethylbenzene	1.081	0.880	18.6	103	0.00
58		m-dichlorobenzene	0.875	0.611	30.2#	96	0.00
59		p-dichlorobenzene	0.838	0.659	21.4	109	0.00
60		Benzyl Chloride	1.226	0.976	20.4	103	0.00
61		o-dichlorobenzene	0.728	0.578	20.6	112	0.00
62		1,2,4-trichlorobenzene	0.350	0.303	13.4	100	0.00
63		Naphthalene	0.567	0.535	5.6	102	0.00
64		hexachloro-1,3-butadiene	0.637	0.461	27.6	100	0.00

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\11OCT11O\OX05S10.D
Acq Time : 10/11/2011 10:42 Operator: LMR
Sample : 10.0 PPB INITIAL CAL. STD. Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Fri Oct 14 12:07:05 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD bromochloromethane	1.000	1.000	0.0	100	0.00
2		Propene	1.059	1.119	-5.7	100	0.00
3		dichlorodifluoromethane	7.489	7.477	0.2	100	0.00
4		chloromethane	2.060	2.032	1.4	100	0.00
5		freon 114	6.996	6.789	3.0	100	0.00
6		vinyl chloride	2.071	2.045	1.3	100	0.00
7		1,3-Butadiene	1.295	1.272	1.8	100	0.00
8		bromomethane	2.659	2.492	6.3	100	0.00
9		chloroethane	1.046	0.984	5.9	100	0.00
10		trichlorofluoromethane	7.976	7.797	2.2	100	0.00
11		freon 113	4.691	4.351	7.2	100	0.00
12		1,1-dichloroethene	1.740	1.640	5.7	100	0.00
13		acetone	4.355	3.715	14.7	100	0.00
14		carbon disulfide	6.346	6.329	0.3	100	0.00
15		methylene chloride	2.517	2.227	11.5	100	0.00
16		trans-1,2-dichloroethene	1.783	1.918	-7.6	100	0.00
17		methyl t-butyl ether	3.931	4.075	-3.7	100	0.00
18		vinyl acetate	5.453	5.743	-5.3	100	0.00
19		2-butanone	3.314	3.379	-2.0	100	0.00
20		cis-1,2-dichloroethene	1.644	1.716	-4.4	100	0.00
21		1,1-dichloroethane	3.350	3.323	0.8	100	0.00
22		Ethyl Acetate	0.454	0.506	-11.5	100	0.00
23		Hexane	1.906	1.935	-1.5	100	0.00
24		chloroform	4.689	4.693	-0.1	100	0.00
25		Tetrahydrofuran	1.307	1.401	-7.2	100	0.00
26		1,2-dichloroethane	3.159	3.066	2.9	100	0.00
27	I	ISTD 1,4-difluorobenzene	1.000	1.000	0.0	100	0.00
28		1,1,1-trichloroethane	1.102	1.095	0.6	100	0.00
29		carbon tetrachloride	1.200	1.211	-0.9	100	0.00
30		benzene	0.934	0.917	1.8	100	0.00
31		Cyclohexane	0.429	0.396	7.7	100	0.00
32		trichloroethene	0.456	0.480	-5.3	100	0.00
33		1,2-dichloropropane	0.373	0.350	6.2	100	0.00
34		bromodichloromethane	1.145	1.185	-3.5	100	0.00
35		Heptane	0.280	0.276	1.4	100	0.00
36		cis-1,3-dichloropropene	0.570	0.623	-9.3	100	0.00
37		4-methyl-2-pentanone	0.651	0.579	11.1	100	0.00
38		trans-1,3-dichloropropene	0.534	0.577	-8.1	100	0.00
39		1,1,2-trichloroethane	0.475	0.461	2.9	100	0.00
40	I	ISTD chlorobenzene-d5	1.000	1.000	0.0	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\11OCT11O\OX05S10.D
Acq Time : 10/11/2011 10:42 Operator: LMR
Sample : 10.0 PPB INITIAL CAL. STD. Inst : 5972-O
Misc : 105IS30940 Multiplr: 1.00

Method : J:\O\METHODS\T15ORTI2.M (RTE Integrator)
Title : TO15 VOA COMPOUND LIST
Last Update : Fri Oct 14 12:07:05 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		toluene	1.335	1.425	-6.7	100	0.00
42		2-hexanone	0.754	0.774	-2.7	100	0.00
43		tetrachloroethene	0.737	0.632	14.2	100	0.00
44		dibromochloromethane	1.382	1.381	0.1	100	0.00
45		1,2-dibromoethane	1.033	1.029	0.4	100	0.00
46		chlorobenzene	0.983	0.914	7.0	100	0.00
47		ethyl benzene	0.400	0.413	-3.2	100	0.00
48		m,p-xylene	0.513	0.507	1.2	100	0.00
49		o-xylene	0.479	0.476	0.6	100	0.00
50		Xylene (total)	1.385	1.356	2.1	100	0.00
51		styrene	0.709	0.756	-6.6	100	0.00
52		bromoform	1.480	1.155	22.0	100	0.00
53		1,1,2,2-tetrachloroethane	1.081	0.881	18.5	100	0.00
54	S	Bromofluorobenzene	0.703	0.683	2.8	100	0.00
55		4-ethyl toluene	1.250	1.143	8.6	100	0.00
56		1,3,5-trimethylbenzene	1.180	1.065	9.7	100	0.00
57		1,2,4-trimethylbenzene	1.081	0.937	13.3	100	0.00
58		m-dichlorobenzene	0.875	0.699	20.1	100	0.00
59		p-dichlorobenzene	0.838	0.662	21.0	100	0.00
60		Benzyl Chloride	1.226	1.036	15.5	100	0.00
61		o-dichlorobenzene	0.728	0.566	22.3	100	0.00
62		1,2,4-trichlorobenzene	0.350	0.331	5.4	100	0.00
63		Naphthalene	0.567	0.577	-1.8	100	0.00
64		hexachloro-1,3-butadiene	0.637	0.506	20.6	100	0.00

Response Factor Report 5972-O

Method : J:\O\METHODS\T15APH11.M (RTE Integrator)
Title : TO15 MA_APH COMPOUNDS
Last Update : Fri Oct 07 11:39:33 2011
Response via : Initial Calibration

Calibration Files
20 =OW44S20.D 10 =OW45S10.D 5 =OW46S5.D
2 =OW47S2.D 1 =OW48S1.D

		Compound	20	10	5	2	1	Avg	%RSD
1)		ISTD Bromochlorometha	ISTD						
2)		1,3-Butadiene	1.201	1.393	1.217	1.226	1.249	1.257	6.20
3)		Isopentane	2.355	2.573	2.254	2.405	2.521	2.421	5.28
4)		Methyl t-butyl ether	4.903	5.362	3.681	4.544	3.868	4.471	15.71
5)		Hexane	1.664	2.386	1.869	2.086	1.959	1.993	13.47
6)		Cyclohexane	1.305	1.599	1.269	1.528	1.450	1.430	9.90
7)	I	ISTD 1,4-Difluorobenz	ISTD						
8)		2,3-Dimethylpentane	0.519	0.712	0.594	0.711	0.626	0.632	12.96
9)		Benzene	0.838	1.027	0.871	1.017	0.915	0.933	9.14
10)		Heptane	0.231	0.303	0.258	0.277	0.216	0.257	13.54
11)		Toluene	0.952	1.110	0.858	1.004	0.760	0.937	14.35
12)	I	ISTD Chlorobenzene-d5	ISTD						
13)		Octane	0.777	1.020	0.827	0.934	0.796	0.871	11.86
14)		2,3-Dimethylheptane	0.914	1.197	1.085	1.361	1.260	1.163	14.74
15)		Ethyl benzene	0.361	0.451	0.376	0.457	0.391	0.407	10.79
16)		m,p-Xylene	0.465	0.584	0.491	0.605	0.528	0.535	11.16
17)		Nonane	0.692	0.896	0.794	0.913	0.828	0.825	10.74
18)		o-Xylene	0.433	0.506	0.400	0.491	0.393	0.445	11.58
19)	S	Bromofluorobenzene	0.714	0.690	0.724	0.718	0.749	0.719	2.94
20)		Isopropylbenzene	1.379	1.576	1.295	1.663	1.527	1.488	10.02
21)		1-Methyl-3-ethylbenze	1.101	1.242	1.018	1.283	1.123	1.154	9.36
22)		1,3,5-Trimethylbenzen	0.989	1.136	0.979	1.268	1.063	1.087	10.99
23)		Decane	0.524	0.647	0.536	0.739	0.707	0.631	15.47
24)		Butylcyclohexane	0.585	0.715	0.640	0.830	0.726	0.699	13.32
25)		p-Isopropyltoluene	1.080	1.258	1.043	1.468	1.288	1.227	14.00
26)		1,2,3-Trimethylbenzen	0.891	1.032	0.887	1.261	1.119	1.038	15.28
27)		Undecane	0.604	0.710	0.504	0.769	0.577	0.633	16.77
28)		Dodecane	0.375	0.350	0.263	0.436	0.317	0.348	18.50
29)		Naphthalene	0.594	0.469	0.250	0.544	0.465	0.464	28.35

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\07OCT11O\OW49S10.D
Acq Time : 10/07/2011 11:46 Operator: LMR
Sample : 10 PPB ICV APH STD Inst : 5972-O
Misc : 105IS30937 Multiplr: 1.00

Method : J:\O\METHODS\T15APH11.M (RTE Integrator)
Title : TO15 MA_APH COMPOUNDS
Last Update : Fri Oct 07 11:39:33 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD Bromochloromethane	1.000	1.000	0.0	110	0.03
2		1,3-Butadiene	1.257	1.161	7.6	92	0.03
3		Isopentane	2.421	2.272	6.2	97	0.04
4		Methyl t-butyl ether	4.471	3.720	16.8	77	0.03
5		Hexane	1.993	1.749	12.2	81	0.03
6		Cyclohexane	1.430	1.254	12.3	87	0.03
7	I	ISTD 1,4-Difluorobenzene	1.000	1.000	0.0	110	0.03
8		2,3-Dimethylpentane	0.632	0.551	12.8	85	0.03
9		Benzene	0.933	0.812	13.0	87	0.03
10		Heptane	0.257	0.231	10.1	84	0.03
11		Toluene	0.937	0.851	9.2	85	0.03
12	I	ISTD Chlorobenzene-d5	1.000	1.000	0.0	109	0.03
13		Octane	0.871	0.809	7.1	86	0.02
14		2,3-Dimethylheptane	1.163	0.961	17.4	87	0.02
15		Ethyl benzene	0.407	0.341	16.2	82	0.03
16		m,p-Xylene	0.535	0.432	19.3	80	0.03
17		Nonane	0.825	0.718	13.0	87	0.02
18		o-Xylene	0.445	0.390	12.4	84	0.02
19	S	Bromofluorobenzene	0.719	0.731	-1.7	115	0.02
20		Isopropylbenzene	1.488	1.200	19.4	83	0.02
21		1-Methyl-3-ethylbenzene	1.154	0.960	16.8	84	0.02
22		1,3,5-Trimethylbenzene	1.087	0.901	17.1	86	0.02
23		Decane	0.631	0.543	13.9	91	0.02
24		Butylcyclohexane	0.699	0.624	10.7	95	0.00
25		p-Isopropyltoluene	1.227	0.945	23.0	81	0.02
26		1,2,3-Trimethylbenzene	1.038	0.791	23.8	83	0.02
27		Undecane	0.633	0.621	1.9	95	0.00
28		Dodecane	0.348	0.417	-19.8	130	0.00
29		Naphthalene	0.464	0.511	-10.1	118	0.00

Evaluate Continuing Calibration Report

Data File : J:\O\2011\OCT11O\10OCT11O\OW69S10.D
Acq Time : 10/10/2011 09:14 Operator: LMR
Sample : 10 PPB CCV APH STD Inst : 5972-O
Misc : 105IS30935 Multiplr: 1.00

Method : J:\O\METHODS\T15APH11.M (RTE Integrator)
Title : TO15 MA_APH COMPOUNDS
Last Update : Fri Oct 07 11:39:33 2011
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		ISTD Bromochloromethane	1.000	1.000	0.0	110	0.03
2		1,3-Butadiene	1.257	1.254	0.2	99	0.03
3		Isopentane	2.421	2.537	-4.8	108	0.04
4		Methyl t-butyl ether	4.471	4.196	6.2	86	0.03
5		Hexane	1.993	1.929	3.2	89	0.04
6		Cyclohexane	1.430	1.331	6.9	91	0.03
7	I	ISTD 1,4-Difluorobenzene	1.000	1.000	0.0	104	0.04
8		2,3-Dimethylpentane	0.632	0.587	7.1	86	0.03
9		Benzene	0.933	0.853	8.6	86	0.03
10		Heptane	0.257	0.258	-0.4	88	0.03
11		Toluene	0.937	0.996	-6.3	93	0.03
12	I	ISTD Chlorobenzene-d5	1.000	1.000	0.0	115	0.03
13		Octane	0.871	0.820	5.9	93	0.02
14		2,3-Dimethylheptane	1.163	1.046	10.1	101	0.02
15		Ethyl benzene	0.407	0.384	5.7	98	0.03
16		m,p-Xylene	0.535	0.499	6.7	99	0.02
17		Nonane	0.825	0.727	11.9	94	0.02
18		o-Xylene	0.445	0.447	-0.4	102	0.02
19	S	Bromofluorobenzene	0.719	0.739	-2.8	124	0.02
20		Isopropylbenzene	1.488	1.485	0.2	109	0.02
21		1-Methyl-3-ethylbenzene	1.154	1.238	-7.3	115	0.02
22		1,3,5-Trimethylbenzene	1.087	1.131	-4.0	115	0.02
23		Decane	0.631	0.642	-1.7	115	0.02
24		Butylcyclohexane	0.699	0.719	-2.9	116	0.00
25		p-Isopropyltoluene	1.227	1.203	2.0	110	0.02
26		1,2,3-Trimethylbenzene	1.038	1.015	2.2	113	0.02
27		Undecane	0.633	0.654	-3.3	106	0.00
28		Dodecane	0.348	0.426	-22.4	141	0.00
29		Naphthalene	0.464	0.539	-16.2	133	0.00