

Data File : VR025473.D
Acq On : 16 Jul 2018 12:47
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Manual Integrations
APPROVED

MMDadoda
7/17/2018 6:21:20 PM

Quant Time: Jul 17 01:07:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 13 23:51:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	889004	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	684398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	266502	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	101174	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	2.63	69	78981	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	3.64	63	311699	4.20	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	6.59	46	338793	44.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	7.20	84	511850	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	7.90	65	187557	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	7.86	84	1070029	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	8.90	67	291408	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	9.97	98	967374	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	10.24	79	86880	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	10.59	63	264083	46.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	117578	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	205284	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	234092	4.661 ug/L	100
3) Chloromethane	2.01	50	139552	4.687 ug/L	97
5) Vinyl chloride	2.17	62	123978	4.635 ug/L	97
6) Bromomethane	2.53	94	65322	4.150 ug/L	98
8) Chloroethane	2.66	64	69957	4.200 ug/L	95
9) Trichlorofluoromethane	2.98	101	200568m	4.589 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	119051	4.474 ug/L	96
12) 1,1-Dichloroethene	3.65	96	120562	4.536 ug/L	97
13) Acetone	3.70	43	146229	42.637 ug/L	99
14) Carbon disulfide	3.96	76	264803	4.378 ug/L	99
15) Methyl Acetate	4.19	43	32698	4.261 ug/L	99
16) Methylene chloride	4.41	84	104976m	4.032 ug/L	
17) Methyl tert-butyl Ether	4.89	73	419617	4.844 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	299492	4.530 ug/L	99
19) 1,1-Dichloroethane	5.69	63	519120	4.577 ug/L	99
21) 2-Butanone	6.69	43	356925	44.677 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	290270	4.784 ug/L	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	88237	4.517	ug/L	91
25) Chloroform	7.23	83	482733	4.431	ug/L	100
27) 1,2-Dichloroethane	7.99	62	208260	4.264	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	364144	5.231	ug/L	99
30) Cyclohexane	7.52	56	449678	6.021	ug/L	96
31) Carbon tetrachloride	7.64	117	337975	5.488	ug/L	98
33) Benzene	7.91	78	1134724	4.810	ug/L	100
34) Trichloroethene	8.71	95	292877	4.877	ug/L	98
35) Methylcyclohexane	8.96	83	471352	5.870	ug/L	96
37) 1,2-Dichloropropane	8.99	63	249201	4.545	ug/L	99
38) Bromodichloromethane	9.28	83	273313	4.890	ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	327280	5.308	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	806801	50.771	ug/L	95
42) Toluene	10.03	91	1135715	4.951	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	230311	5.086	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	118043	4.394	ug/L	95
47) Tetrachloroethene	10.52	164	198402	5.059	ug/L	96
48) 2-Hexanone	10.64	43	534820	48.925	ug/L	97
49) Dibromochloromethane	10.78	129	131316	4.688	ug/L	96
50) 1,2-Dibromoethane	10.89	107	103336	4.748	ug/L #	98
51) Chlorobenzene	11.31	112	655010	4.689	ug/L	97
52) Ethylbenzene	11.39	91	1275062	5.183	ug/L	99
53) m,p-Xylene	11.50	106	478612	5.185	ug/L	95
54) o-Xylene	11.83	106	439758	5.531	ug/L	98
55) Styrene	11.85	104	666110	5.092	ug/L	94
56) Isopropylbenzene	12.13	105	1195508	5.678	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	116232	4.392	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	86058	4.517	ug/L	100
61) Bromoform	12.01	173	49306	4.543	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	411434	5.269	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	405837	4.682	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	325771	4.801	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	12902	4.298	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	264456	5.186	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	181971	5.191	ug/L	98
69) Naphthalene	15.00	128	261623	5.828	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	142608	5.274	ug/L	96

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

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