

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062018\
 Data File : VR025375.D
 Acq On : 20 Jun 2018 10:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

MMDadoda
 6/22/2018 2:45:28 PM

Quant Time: Jun 21 01:36:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 20 01:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670378	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	549571	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	91972	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	2.64	69	71136	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	3.64	63	253623	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	6.59	46	310692	50.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.52%
24) Chloroform-d	7.20	84	426139	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	7.89	65	162017	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	7.86	84	904314	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	8.90	67	266031	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	804597	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	10.24	79	62315	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	10.59	63	264576	54.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.22%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	114824	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	172349	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	189259	4.37	ug/L	99
3) Chloromethane	2.01	50	114678	3.66	ug/L	98
5) Vinyl chloride	2.16	62	111185	4.01	ug/L	97
6) Bromomethane	2.53	94	52857	3.91	ug/L	97
8) Chloroethane	2.67	64	62206	4.29	ug/L	87
9) Trichlorofluoromethane	2.98	101	197587m	4.87	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	103632	4.36	ug/L #	74
12) 1,1-Dichloroethene	3.66	96	102525	4.35	ug/L	98
13) Acetone	3.70	43	124219	44.94	ug/L	97
14) Carbon disulfide	3.96	76	190205	3.84	ug/L	100
15) Methyl Acetate	4.19	43	28054	4.04	ug/L #	91
16) Methylene chloride	4.40	84	91630m	4.27	ug/L	
17) Methyl tert-butyl Ether	4.90	73	285272	4.06	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	229964	4.75	ug/L	91
19) 1,1-Dichloroethane	5.69	63	427606	4.70	ug/L	96
21) 2-Butanone	6.69	43	311034	47.61	ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	239612	4.74	ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.05	128	69082	4.67	ug/L	95
25) Chloroform	7.23	83	398182	4.79	ug/L	99
27) 1,2-Dichloroethane	7.99	62	175501m	4.62	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	288151	4.41	ug/L	99
30) Cyclohexane	7.52	56	341064	4.09	ug/L	99
31) Carbon tetrachloride	7.64	117	259835	4.53	ug/L	99
33) Benzene	7.91	78	993112	4.60	ug/L	100
34) Trichloroethene	8.71	95	236096	4.52	ug/L	97
35) Methylcyclohexane	8.95	83	359886	4.37	ug/L	98
37) 1,2-Dichloropropane	8.99	63	229826	4.79	ug/L	100
38) Bromodichloromethane	9.28	83	211487	4.55	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	246264	4.36	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	716370	46.15	ug/L	98
42) Toluene	10.03	91	1017758	4.40	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	167374	4.31	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	105529	4.74	ug/L	97
47) Tetrachloroethene	10.51	164	157645	4.52	ug/L	96
48) 2-Hexanone	10.63	43	466620	47.16	ug/L	97
49) Dibromochloromethane	10.78	129	93118	4.34	ug/L	96
50) 1,2-Dibromoethane	10.89	107	79607	4.46	ug/L #	95
51) Chlorobenzene	11.31	112	567826	4.59	ug/L	99
52) Ethylbenzene	11.39	91	1121437	4.89	ug/L	98
53) m,p-Xylene	11.50	106	412688	4.71	ug/L	93
54) o-Xylene	11.83	106	376479	4.81	ug/L	93
55) Styrene	11.85	104	599038	4.98	ug/L	93
56) Isopropylbenzene	12.13	105	1048398	4.98	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	100839	4.89	ug/L	92
59) 1,2,3-Trichloropropane	12.44	75	68613	4.61	ug/L	97
61) Bromoform	12.01	173	27990	3.63	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	336694	4.44	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	360438	4.75	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	288518	4.75	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	9167	3.82	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.29	180	237006	4.72	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	156645	4.48	ug/L	98
69) Naphthalene	15.00	128	196343	4.31	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	131160	4.85	ug/L	99

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

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