

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022019\
 Data File : VR026344.D
 Acq On : 20 Feb 2019 9:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 1:21:02 PM

Quant Time: Feb 21 07:36:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 20 04:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	774665	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	655369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	262194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	258912	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	2.63	69	228560	4.28	ug/L	0.00
Spiked Amount	7.000	Range	65 - 130	Recovery	=	61.14%#
11) 1,1-Dichloroethene-d2	3.61	63	670371	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	6.58	46	218415	46.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.82%
24) Chloroform-d	7.20	84	518259	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	7.89	65	193749	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	7.85	84	1023404	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	8.89	67	255190	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.96	98	989380	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	10.23	79	70267	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	10.59	63	200483	55.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	99125	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	191222	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	274103	4.774	ug/L	96
3) Chloromethane	2.02	50	304943	4.027	ug/L	98
5) Vinyl chloride	2.17	62	307073	4.213	ug/L	99
6) Bromomethane	2.53	94	194603	3.975	ug/L	95
8) Chloroethane	2.66	64	187350	4.099	ug/L	98
9) Trichlorofluoromethane	2.93	101	536384m	4.586	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	293825	4.746	ug/L	98
12) 1,1-Dichloroethene	3.63	96	289681	4.346	ug/L	94
13) Acetone	3.69	43	203415	41.526	ug/L	99
14) Carbon disulfide	3.93	76	879309	4.246	ug/L	96
15) Methyl Acetate	4.19	43	52325	3.861	ug/L	98
16) Methylene chloride	4.40	84	246196	3.941	ug/L	97
17) Methyl tert-butyl Ether	4.89	73	292788	4.440	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	285245	4.594	ug/L	97
19) 1,1-Dichloroethane	5.69	63	485579	4.481	ug/L	99
21) 2-Butanone	6.68	43	265670	45.796	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	259979	4.934	ug/L #	97

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

23) Bromochloromethane	7.04	128	72149	4.440	ug/L	93
25) Chloroform	7.23	83	479977	4.500	ug/L	97
27) 1,2-Dichloroethane	7.99	62	213880	4.462	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	447443	4.631	ug/L	98
30) Cyclohexane	7.51	56	430187	5.733	ug/L	99
31) Carbon tetrachloride	7.63	117	417515	4.721	ug/L	99
33) Benzene	7.90	78	1150148	4.879	ug/L	100
34) Trichloroethene	8.71	95	287045	4.790	ug/L	96
35) Methylcyclohexane	8.96	83	462293	5.815	ug/L	98
37) 1,2-Dichloropropane	8.99	63	234406	4.550	ug/L	100
38) Bromodichloromethane	9.28	83	271993	4.697	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	281283	5.175	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	676491	50.315	ug/L	100
42) Toluene	10.03	91	1213430	5.055	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	200849	4.995	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	100215	4.560	ug/L	91
47) Tetrachloroethene	10.51	164	222721	5.011	ug/L	96
48) 2-Hexanone	10.63	43	457291	49.498	ug/L	98
49) Dibromochloromethane	10.78	129	132778	4.623	ug/L	96
50) 1,2-Dibromoethane	10.88	107	82647	4.594	ug/L #	90
51) Chlorobenzene	11.31	112	669044	4.766	ug/L	98
52) Ethylbenzene	11.39	91	1438362	5.385	ug/L	99
53) m,p-Xylene	11.50	106	517796	5.313	ug/L	100
54) o-Xylene	11.83	106	468321	5.489	ug/L	97
55) Styrene	11.84	104	721927	5.344	ug/L	100
56) Isopropylbenzene	12.13	105	1369709	5.701	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	95416	4.576	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	66040	4.425	ug/L	99
61) Bromoform	12.01	173	53291	4.448	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	385839	4.914	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	420445	4.611	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	328155	4.832	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	9329	3.597	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	246885	4.812	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	136098	4.885	ug/L	99
69) Naphthalene	15.00	128	127140	4.803	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	101250	4.760	ug/L	98

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

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