

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
 Data File : VR026222.D
 Acq On : 19 Nov 2018 13:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 10:16:06 AM

Quant Time: Nov 20 04:15:21 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 09 14:56:44 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	738419	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	613343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	245961	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	192697	3.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.80%
7) Chloroethane-d5	2.63	69	208809	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	3.61	63	582289	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	6.59	46	267596	56.49	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.98%
24) Chloroform-d	7.21	84	489851	5.06	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	7.90	65	191149	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	7.86	84	935845	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	8.90	67	250162	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	9.97	98	893539	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
43) trans-1,3-Dichloropropene-	10.24	79	64798	5.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.80%
46) 2-Hexanone-d5	10.59	63	207100	60.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.54%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	104113	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	182743	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	262151	5.595 ug/L	99
3) Chloromethane	2.02	50	341617	4.252 ug/L	97
5) Vinyl chloride	2.17	62	333499	4.209 ug/L	97
6) Bromomethane	2.52	94	222263	4.215 ug/L	93
8) Chloroethane	2.66	64	204408	4.083 ug/L	97
9) Trichlorofluoromethane	2.94	101	519941m	4.883 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	268926	4.397 ug/L	99
12) 1,1-Dichloroethene	3.63	96	297519	4.122 ug/L	99
13) Acetone	3.70	43	216745	43.288 ug/L	100
14) Carbon disulfide	3.94	76	867649	4.417 ug/L	99
15) Methyl Acetate	4.20	43	52435	4.027 ug/L	96
16) Methylene chloride	4.41	84	251617	4.136 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	313099	5.129 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	273497	4.913 ug/L	98
19) 1,1-Dichloroethane	5.69	63	497640	4.881 ug/L	98
21) 2-Butanone	6.69	43	285703	49.404 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	254320	5.165 ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	72146	4.798	ug/L	86
25) Chloroform	7.23	83	489032	4.913	ug/L	98
27) 1,2-Dichloroethane	7.99	62	215780	4.670	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	434926	5.297	ug/L	97
30) Cyclohexane	7.52	56	425263	5.912	ug/L	97
31) Carbon tetrachloride	7.64	117	388393	5.328	ug/L	97
33) Benzene	7.91	78	1128252	5.096	ug/L	100
34) Trichloroethene	8.71	95	287554	5.099	ug/L	95
35) Methylcyclohexane	8.95	83	428253	5.839	ug/L	100
37) 1,2-Dichloropropane	9.00	63	228642	4.924	ug/L	100
38) Bromodichloromethane	9.28	83	270871	5.228	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	283091	5.393	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	684316	52.156	ug/L	98
42) Toluene	10.04	91	1217330	5.278	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	190846	5.450	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	100582	5.018	ug/L	98
47) Tetrachloroethene	10.51	164	212740	5.522	ug/L	95
48) 2-Hexanone	10.63	43	459109	51.888	ug/L	99
49) Dibromochloromethane	10.79	129	126937	5.347	ug/L	97
50) 1,2-Dibromoethane	10.89	107	89667	5.277	ug/L	91
51) Chlorobenzene	11.32	112	649382	5.068	ug/L	100
52) Ethylbenzene	11.39	91	1400227	5.353	ug/L	99
53) m,p-Xylene	11.50	106	514122	5.414	ug/L	95
54) o-Xylene	11.83	106	472378	5.451	ug/L	93
55) Styrene	11.84	104	727452	5.401	ug/L	97
56) Isopropylbenzene	12.13	105	1339825	5.725	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	91537	4.728	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	69957	4.799	ug/L	96
61) Bromoform	12.01	173	47373	4.872	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	387217	5.202	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	400917	4.897	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	312028	4.995	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10826	4.672	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.29	180	246438	5.315	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	143064	5.527	ug/L	98
69) Naphthalene	15.01	128	141947	5.198	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	103066	5.689	ug/L	98

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

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