

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100818\
 Data File : VR025979.D
 Acq On : 8 Oct 2018 10:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:16 PM

Quant Time: Oct 09 05:24:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 08 01:15:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	644921	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	546343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	215181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	206069	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	2.63	69	182200	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	3.64	63	503789	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	6.59	46	230868	40.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.44%
24) Chloroform-d	7.20	84	382137	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	164197	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	7.85	84	755069	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	198667	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	9.97	98	726073	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.24	79	53768	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	184059	43.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84491	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	148592	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	158727	4.049	ug/L	98
3) Chloromethane	2.02	50	238758	4.283	ug/L	98
5) Vinyl chloride	2.17	62	235456	4.244	ug/L	100
6) Bromomethane	2.53	94	141179	4.076	ug/L	97
8) Chloroethane	2.66	64	140490	4.451	ug/L	98
9) Trichlorofluoromethane	2.93	101	372863m	4.840	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	212868	4.521	ug/L	96
12) 1,1-Dichloroethene	3.65	96	211690	4.348	ug/L	83
13) Acetone	3.70	43	182973	44.526	ug/L	97
14) Carbon disulfide	3.96	76	475089	4.031	ug/L	98
15) Methyl Acetate	4.20	43	44500	3.906	ug/L	96
16) Methylene chloride	4.40	84	182641	4.080	ug/L	95
17) Methyl tert-butyl Ether	4.90	73	229493	4.257	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	172631	4.287	ug/L	93
19) 1,1-Dichloroethane	5.70	63	332801	4.175	ug/L	96
21) 2-Butanone	6.69	43	233039	41.230	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	172790	4.265	ug/L #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	47414	4.314	ug/L	87
25) Chloroform	7.23	83	333610	4.298	ug/L	98
27) 1,2-Dichloroethane	7.99	62	165292	4.267	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	286437	4.662	ug/L	99
30) Cyclohexane	7.51	56	295324	3.847	ug/L	97
31) Carbon tetrachloride	7.64	117	260644	4.899	ug/L	100
33) Benzene	7.91	78	757589	4.134	ug/L	100
34) Trichloroethene	8.71	95	198911	4.120	ug/L	96
35) Methylcyclohexane	8.95	83	303201	4.176	ug/L	97
37) 1,2-Dichloropropane	8.99	63	165377	4.207	ug/L	99
38) Bromodichloromethane	9.28	83	186675	4.401	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	206032	4.674	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	583135	42.185	ug/L	97
42) Toluene	10.04	91	821779	4.316	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	144643	5.026	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	72956	4.103	ug/L	92
47) Tetrachloroethene	10.51	164	134567	4.523	ug/L	94
48) 2-Hexanone	10.63	43	392289	43.344	ug/L	96
49) Dibromochloromethane	10.79	129	85743	4.751	ug/L	96
50) 1,2-Dibromoethane	10.88	107	63365	4.516	ug/L #	88
51) Chlorobenzene	11.32	112	448940	4.445	ug/L	93
52) Ethylbenzene	11.39	91	964404	4.437	ug/L	99
53) m,p-Xylene	11.50	106	347807	4.495	ug/L	94
54) o-Xylene	11.83	106	327442	4.546	ug/L	97
55) Styrene	11.84	104	514347	4.588	ug/L	91
56) Isopropylbenzene	12.13	105	932106	4.692	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	70765	4.130	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	52626	4.127	ug/L	99
61) Bromoform	12.01	173	30381	4.670	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	274375	4.363	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	273197	4.246	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	215040	4.256	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7582	3.569	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	165193	4.410	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	99367	4.161	ug/L	97
69) Naphthalene	15.00	128	120357	3.949	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	71597	4.321	ug/L	96

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

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