

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080818\
 Data File : VR025597.D
 Acq On : 8 Aug 2018 16:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 11:42:36 AM

Quant Time: Aug 09 05:36:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 09 04:27:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	641596	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	561490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	262822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	159108	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	2.64	69	118867	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	3.65	63	405934	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	6.60	46	153155	46.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.22%
24) Chloroform-d	7.21	84	290846	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	7.90	65	101408	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.86	84	650058	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	165466	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	9.97	98	656258	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.24	79	43097	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	10.59	63	164914	51.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84443	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	171415	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	183343	4.99 ug/L	97
3) Chloromethane	2.02	50	244822	5.05 ug/L	98
5) Vinyl chloride	2.17	62	228475	4.71 ug/L	97
6) Bromomethane	2.53	94	103833	3.89 ug/L	85
8) Chloroethane	2.67	64	117737	4.37 ug/L	98
9) Trichlorofluoromethane	2.98	101	380547m	5.75 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	223816	5.23 ug/L	98
12) 1,1-Dichloroethene	3.66	96	240044	5.24 ug/L	82
13) Acetone	3.71	43	173520	62.82 ug/L	100
14) Carbon disulfide	3.97	76	494356	4.66 ug/L	99
15) Methyl Acetate	4.20	43	40729	4.67 ug/L	93
16) Methylene chloride	4.41	84	184122m	4.76 ug/L	
17) Methyl tert-butyl Ether	4.90	73	223016	4.85 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	219296	5.00 ug/L	96
19) 1,1-Dichloroethane	5.70	63	307362	4.79 ug/L	95
21) 2-Butanone	6.70	43	228027	59.42 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	211201	5.27 ug/L #	98

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

23) Bromochloromethane	7.05	128	70095	5.27	ug/L	97
25) Chloroform	7.24	83	319856	5.03	ug/L	100
27) 1,2-Dichloroethane	8.00	62	135996	5.37	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	229844	4.62	ug/L	98
30) Cyclohexane	7.52	56	300366	5.24	ug/L	98
31) Carbon tetrachloride	7.64	117	243758	4.75	ug/L	100
33) Benzene	7.91	78	867155	5.00	ug/L	100
34) Trichloroethene	8.71	95	204030	4.73	ug/L	89
35) Methylcyclohexane	8.96	83	362877	5.59	ug/L	98
37) 1,2-Dichloropropane	8.99	63	181134	4.96	ug/L	99
38) Bromodichloromethane	9.29	83	185445	4.97	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	208984	5.18	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	609626	59.25	ug/L	100
42) Toluene	10.03	91	1008995	5.46	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	142450	5.06	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	97995	5.39	ug/L	98
47) Tetrachloroethene	10.52	164	199845	5.41	ug/L	96
48) 2-Hexanone	10.64	43	414356	59.71	ug/L	99
49) Dibromochloromethane	10.78	129	116132	5.41	ug/L	97
50) 1,2-Dibromoethane	10.89	107	78196	5.15	ug/L	90
51) Chlorobenzene	11.32	112	596905	5.34	ug/L	98
52) Ethylbenzene	11.39	91	1098803	5.47	ug/L	98
53) m,p-Xylene	11.51	106	437863	5.63	ug/L	99
54) o-Xylene	11.83	106	406056	5.69	ug/L	96
55) Styrene	11.85	104	659825	5.81	ug/L	100
56) Isopropylbenzene	12.13	105	1077803	5.74	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	95377	5.53	ug/L	97
59) 1,2,3-Trichloropropane	12.44	75	60417	5.25	ug/L	93
61) Bromoform	12.01	173	49309	4.71	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	379606	4.99	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	420624	5.10	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	332348	5.09	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8192	4.05	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	257543	4.99	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	171341	5.16	ug/L	96
69) Naphthalene	15.00	128	177332	4.68	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	142825	5.59	ug/L	97

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

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