

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR100518\
 Data File : VR025962.D
 Acq On : 5 Oct 2018 18:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 5:12:51 PM

Quant Time: Oct 06 05:24:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 06 04:21:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	456081	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	401820	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	152175	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	189937	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	2.63	69	163918	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	3.63	63	434802	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	6.59	46	208527	52.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.02%
24) Chloroform-d	7.20	84	316649	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	7.90	65	140093	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	7.85	84	616028	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	8.90	67	165909	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	9.97	98	596545	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	10.24	79	43953	5.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.60%
46) 2-Hexanone-d5	10.59	63	164355	52.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.36%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	70879	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	114969	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	110904	4.000 ug/L	98
3) Chloromethane	2.01	50	191127	4.849 ug/L	93
5) Vinyl chloride	2.17	62	190306	4.850 ug/L	95
6) Bromomethane	2.53	94	117846	4.811 ug/L	98
8) Chloroethane	2.66	64	109709	4.915 ug/L	95
9) Trichlorofluoromethane	2.99	101	283305m	5.200 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	169193	5.081 ug/L	95
12) 1,1-Dichloroethene	3.66	96	173613	5.043 ug/L	86
13) Acetone	3.70	43	159748	54.970 ug/L	95
14) Carbon disulfide	3.95	76	367325	4.407 ug/L	100
15) Methyl Acetate	4.20	43	40428	5.017 ug/L	94
16) Methylene chloride	4.40	84	156794	4.953 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	177913	4.667 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	126311	4.436 ug/L	93
19) 1,1-Dichloroethane	5.69	63	252984	4.487 ug/L	97
21) 2-Butanone	6.69	43	193308	48.361 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	129382	4.516 ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	36715	4.724	ug/L	95
25) Chloroform	7.23	83	254029	4.627	ug/L	99
27) 1,2-Dichloroethane	7.99	62	127846	4.667	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	204520	4.526	ug/L	97
30) Cyclohexane	7.52	56	223917	3.966	ug/L	97
31) Carbon tetrachloride	7.64	117	180826	4.621	ug/L	96
33) Benzene	7.91	78	591126	4.386	ug/L	100
34) Trichloroethene	8.71	95	149935	4.222	ug/L	96
35) Methylcyclohexane	8.96	83	219121	4.104	ug/L	99
37) 1,2-Dichloropropane	8.99	63	128148	4.432	ug/L	99
38) Bromodichloromethane	9.28	83	142297	4.562	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	157673	4.864	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	489833	48.180	ug/L	97
42) Toluene	10.03	91	626272	4.472	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	110129	5.203	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	56807	4.344	ug/L	95
47) Tetrachloroethene	10.51	164	95338	4.357	ug/L	93
48) 2-Hexanone	10.63	43	327169	49.151	ug/L	98
49) Dibromochloromethane	10.79	129	63212	4.763	ug/L	94
50) 1,2-Dibromoethane	10.89	107	47893	4.641	ug/L #	97
51) Chlorobenzene	11.32	112	340582	4.585	ug/L	97
52) Ethylbenzene	11.39	91	738042	4.617	ug/L	100
53) m,p-Xylene	11.50	106	263167	4.625	ug/L	92
54) o-Xylene	11.83	106	244138	4.609	ug/L	98
55) Styrene	11.84	104	393910	4.778	ug/L	91
56) Isopropylbenzene	12.13	105	690794	4.728	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	58106	4.611	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	44573	4.753	ug/L	100
61) Bromoform	12.01	173	21535	4.681	ug/L #	98
62) 1,3-Dichlorobenzene	13.16	146	195673	4.400	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	205334	4.513	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	161282	4.513	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6071	4.040	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	120701	4.556	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	77361	4.581	ug/L	94
69) Naphthalene	15.00	128	88586	4.110	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	57313	4.891	ug/L	96

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

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