

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100418\
 Data File : VR025948.D
 Acq On : 4 Oct 2018 20:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 12:41:45 PM

Quant Time: Oct 05 05:08:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 05 04:42:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	460299	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	401658	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	154805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	143471	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	2.63	69	137009	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	3.63	63	366484	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	6.59	46	222544	54.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.98%
24) Chloroform-d	7.20	84	286718	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	7.90	65	132164	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.85	84	541694	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	8.90	67	156108	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	9.97	98	507828	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	10.24	79	39126	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	168990	54.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74190	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	110536	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	114833	4.104	ug/L 100
3) Chloromethane	2.01	50	192430	4.837	ug/L 95
5) Vinyl chloride	2.17	62	187253	4.729	ug/L 99
6) Bromomethane	2.52	94	125950	5.094	ug/L 99
8) Chloroethane	2.66	64	115555	5.129	ug/L 98
9) Trichlorofluoromethane	2.99	101	275193m	5.005	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	161716	4.812	ug/L 95
12) 1,1-Dichloroethene	3.65	96	168387	4.846	ug/L 86
13) Acetone	3.70	43	147560	50.311	ug/L 100
14) Carbon disulfide	3.95	76	380961	4.529	ug/L 98
15) Methyl Acetate	4.20	43	40513	4.982	ug/L 100
16) Methylene chloride	4.40	84	153631	4.808	ug/L 93
17) Methyl tert-butyl Ether	4.90	73	183661	4.773	ug/L 97
18) trans-1,2-Dichloroethene	4.88	96	131500	4.576	ug/L 90
19) 1,1-Dichloroethane	5.69	63	262769	4.618	ug/L 98
21) 2-Butanone	6.69	43	198993	49.327	ug/L 96
22) cis-1,2-Dichloroethene	6.68	96	130302	4.506	ug/L # 91

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

23) Bromochloromethane	7.06	128	38732	4.938	ug/L	88
25) Chloroform	7.23	83	254683	4.597	ug/L	90
27) 1,2-Dichloroethane	7.99	62	135727	4.909	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	209375	4.636	ug/L	97
30) Cyclohexane	7.52	56	219840	3.895	ug/L	96
31) Carbon tetrachloride	7.63	117	183235	4.685	ug/L	98
33) Benzene	7.91	78	598616	4.443	ug/L	100
34) Trichloroethene	8.71	95	150633	4.243	ug/L	97
35) Methylcyclohexane	8.96	83	217332	4.072	ug/L	98
37) 1,2-Dichloropropane	9.00	63	128813	4.457	ug/L #	97
38) Bromodichloromethane	9.28	83	149185	4.784	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	157183	4.851	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	510716	50.255	ug/L	97
42) Toluene	10.04	91	644461	4.604	ug/L	93
44) trans-1,3-Dichloropropene	10.27	75	115403	5.454	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	59335	4.539	ug/L	91
47) Tetrachloroethene	10.51	164	99386	4.544	ug/L	88
48) 2-Hexanone	10.63	43	335890	50.482	ug/L	98
49) Dibromochloromethane	10.79	129	65493	4.937	ug/L	97
50) 1,2-Dibromoethane	10.89	107	50521	4.898	ug/L #	94
51) Chlorobenzene	11.32	112	340457	4.585	ug/L	99
52) Ethylbenzene	11.39	91	747659	4.679	ug/L	97
53) m,p-Xylene	11.50	106	263760	4.637	ug/L	96
54) o-Xylene	11.83	106	248319	4.690	ug/L	95
55) Styrene	11.84	104	397536	4.824	ug/L	93
56) Isopropylbenzene	12.13	105	700377	4.796	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	60733	4.822	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	44769	4.776	ug/L	97
61) Bromoform	12.01	173	22732	4.857	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	202724	4.481	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	210848	4.556	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	169159	4.653	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	6188	4.048	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	125856	4.670	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	78293	4.557	ug/L	94
69) Naphthalene	15.00	128	99358	4.532	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	57120	4.792	ug/L	99

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

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