

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071318\
 Data File : VR025462.D
 Acq On : 13 Jul 2018 13:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 2:26:22 PM

Quant Time: Jul 13 23:49:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 00:37:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	899849	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	693403	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	265687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	138346	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	2.62	69	106049	5.02	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	3.63	63	355532	4.73	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	6.59	46	391194	50.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.54%
24) Chloroform-d	7.20	84	561158	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	212405	4.52	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.86	84	1150407	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	8.90	67	316460	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	9.97	98	997771	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	10.24	79	91880	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	10.59	63	293491	50.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	128694	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	219410	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	246877	4.86	ug/L 99
3) Chloromethane	2.00	50	177811	5.90	ug/L 99
5) Vinyl chloride	2.16	62	161676	5.97	ug/L 96
6) Bromomethane	2.52	94	80669	5.06	ug/L 93
8) Chloroethane	2.65	64	92676	5.50	ug/L 95
9) Trichlorofluoromethane	2.93	101	215704m	4.88	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	140034	5.20	ug/L 99
12) 1,1-Dichloroethene	3.65	96	142739	5.31	ug/L 87
13) Acetone	3.70	43	154644	44.55	ug/L 97
14) Carbon disulfide	3.95	76	377728	6.17	ug/L 100
15) Methyl Acetate	4.19	43	33735	4.34	ug/L 93
16) Methylene chloride	4.40	84	122422	4.65	ug/L 93
17) Methyl tert-butyl Ether	4.89	73	384176	4.38	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	299100	4.47	ug/L 94
19) 1,1-Dichloroethane	5.69	63	530594	4.62	ug/L 96
21) 2-Butanone	6.69	43	337422	41.73	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	291139	4.74	ug/L 97

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

23) Bromochloromethane	7.05	128	81931	4.14	ug/L	96
25) Chloroform	7.23	83	487790	4.42	ug/L	100
27) 1,2-Dichloroethane	7.99	62	215662	4.36	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	394412	5.59	ug/L	98
30) Cyclohexane	7.52	56	471419	6.23	ug/L	98
31) Carbon tetrachloride	7.64	117	351147	5.63	ug/L	98
33) Benzene	7.91	78	1179343	4.93	ug/L	100
34) Trichloroethene	8.71	95	305193	5.02	ug/L	96
35) Methylcyclohexane	8.95	83	474869	5.84	ug/L	99
37) 1,2-Dichloropropane	8.99	63	252804	4.55	ug/L	100
38) Bromodichloromethane	9.28	83	270563	4.78	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	327763	5.25	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	749125	46.53	ug/L	97
42) Toluene	10.03	91	1189672	5.12	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	226533	4.94	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	114482	4.21	ug/L	95
47) Tetrachloroethene	10.51	164	199323	5.02	ug/L	97
48) 2-Hexanone	10.63	43	488448	44.10	ug/L	96
49) Dibromochloromethane	10.78	129	129323	4.56	ug/L	100
50) 1,2-Dibromoethane	10.89	107	97574	4.42	ug/L #	96
51) Chlorobenzene	11.31	112	659278	4.66	ug/L	100
52) Ethylbenzene	11.39	91	1336452	5.36	ug/L	98
53) m,p-Xylene	11.50	106	493162	5.27	ug/L	97
54) o-Xylene	11.83	106	446380	5.54	ug/L	98
55) Styrene	11.85	104	690178	5.21	ug/L	93
56) Isopropylbenzene	12.13	105	1233853	5.78	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	110932	4.14	ug/L #	89
59) 1,2,3-Trichloropropane	12.43	75	79838	4.14	ug/L	98
61) Bromoform	12.01	173	47645	4.40	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	405816	5.21	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	401765	4.65	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	319677	4.73	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	12547	4.19	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	281919	5.55	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	183435	5.25	ug/L	97
69) Naphthalene	15.00	128	235326	5.26	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	145110	5.38	ug/L	98

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

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