

Data Path : Z:\voasrv\HPCHEM1\MSVOA R\Data\VR073118\
 Data File : VR025548.D
 Acq On : 31 Jul 2018 12:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 2:05:06 PM

Quant Time: Aug 01 05:47:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	622713	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	534234	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	241200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	200797	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	2.63	69	157539	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	3.64	63	458984	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	6.60	46	158378	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	7.21	84	330488	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	7.89	65	110513	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	7.86	84	764624	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	8.90	67	192327	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	9.97	98	748071	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	10.24	79	50128	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	10.59	63	167371	54.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91019	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	187536	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	188345	5.283 ug/L	96
3) Chloromethane	2.01	50	247837	5.263 ug/L	95
5) Vinyl chloride	2.16	62	249083	5.294 ug/L	91
6) Bromomethane	2.53	94	150975	5.835 ug/L	93
8) Chloroethane	2.66	64	140741	5.386 ug/L	93
9) Trichlorofluoromethane	2.98	101	344545m	5.360 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	233644	5.626 ug/L	96
12) 1,1-Dichloroethene	3.65	96	235741	5.300 ug/L	91
13) Acetone	3.71	43	117802	43.944 ug/L	95
14) Carbon disulfide	3.97	76	562355	5.458 ug/L	100
15) Methyl Acetate	4.19	43	37103	4.383 ug/L	90
16) Methylene chloride	4.41	84	182750	4.865 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	216528	4.850 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	224282	5.265 ug/L	99
19) 1,1-Dichloroethane	5.70	63	311280	4.994 ug/L	98
21) 2-Butanone	6.69	43	183405	49.245 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	202806	5.212 ug/L #	99

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

23) Bromochloromethane	7.05	128	67881	5.259	ug/L	90
25) Chloroform	7.23	83	307096	4.976	ug/L	98
27) 1,2-Dichloroethane	8.00	62	122558	4.984	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	237223	5.013	ug/L	98
30) Cyclohexane	7.52	56	300557	5.514	ug/L	98
31) Carbon tetrachloride	7.64	117	248880	5.096	ug/L	100
33) Benzene	7.91	78	826467	5.008	ug/L	100
34) Trichloroethene	8.71	95	202862	4.942	ug/L	92
35) Methylcyclohexane	8.96	83	348625	5.648	ug/L	99
37) 1,2-Dichloropropane	8.99	63	171705	4.942	ug/L	100
38) Bromodichloromethane	9.28	83	174300	4.911	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	200781	5.234	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	502825	51.362	ug/L	100
42) Toluene	10.03	91	928864	5.285	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	141836	5.296	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	86929	5.024	ug/L	100
47) Tetrachloroethene	10.52	164	180124	5.129	ug/L	96
48) 2-Hexanone	10.64	43	347233	52.594	ug/L	99
49) Dibromochloromethane	10.78	129	101105	4.954	ug/L	98
50) 1,2-Dibromoethane	10.89	107	70797	4.905	ug/L #	94
51) Chlorobenzene	11.31	112	540646	5.087	ug/L	98
52) Ethylbenzene	11.39	91	1016815	5.321	ug/L	99
53) m,p-Xylene	11.51	106	403460	5.456	ug/L	94
54) o-Xylene	11.83	106	360158	5.305	ug/L	100
55) Styrene	11.85	104	580241	5.366	ug/L	96
56) Isopropylbenzene	12.13	105	986089	5.523	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	82087	5.006	ug/L	93
59) 1,2,3-Trichloropropane	12.44	75	55454	5.063	ug/L	97
61) Bromoform	12.01	173	43457	4.523	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	354845	5.088	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	380547	5.027	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	297191	4.959	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	7676	4.140	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.29	180	237573	5.011	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	146903	4.822	ug/L	99
69) Naphthalene	15.00	128	165040	4.742	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	119797	5.113	ug/L	96

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

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