

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073018\
 Data File : VR025546.D
 Acq On : 30 Jul 2018 18:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 6:22:49 PM

Quant Time: Jul 31 08:45:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 30 16:58:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	576999	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	224593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	181985	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	2.64	69	134317	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.64	63	428754	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	6.60	46	181863	61.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.08%
24) Chloroform-d	7.21	84	303962	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	7.90	65	108515	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.86	84	686676	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	181659	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	677222	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	10.24	79	45820	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	10.59	63	182829	61.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92391	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	177694	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	180718	5.47	ug/L	100
3) Chloromethane	2.01	50	225582	5.17	ug/L	97
5) Vinyl chloride	2.16	62	231440	5.31	ug/L	95
6) Bromomethane	2.53	94	111823	4.66	ug/L	95
8) Chloroethane	2.67	64	116997	4.83	ug/L	98
9) Trichlorofluoromethane	2.98	101	333969	5.61	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	214836	5.58	ug/L	98
12) 1,1-Dichloroethene	3.66	96	216996	5.26	ug/L	95
13) Acetone	3.71	43	164692	66.30	ug/L	98
14) Carbon disulfide	3.97	76	476779	4.99	ug/L	99
15) Methyl Acetate	4.19	43	43991	5.61	ug/L	99
16) Methylene chloride	4.41	84	169958m	4.88	ug/L	
17) Methyl tert-butyl Ether	4.91	73	216465	5.23	ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	201233	5.10	ug/L	98
19) 1,1-Dichloroethane	5.70	63	293102	5.08	ug/L	98
21) 2-Butanone	6.70	43	213072	61.74	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	195783	5.43	ug/L #	91

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

23) Bromochloromethane	7.06	128	64010	5.35	ug/L	92
25) Chloroform	7.24	83	291991	5.11	ug/L	100
27) 1,2-Dichloroethane	8.00	62	120783	5.30	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	208755	4.60	ug/L	99
30) Cyclohexane	7.52	56	278964	5.33	ug/L	99
31) Carbon tetrachloride	7.64	117	220926	4.71	ug/L	98
33) Benzene	7.91	78	785484	4.96	ug/L	100
34) Trichloroethene	8.71	95	183775	4.67	ug/L	95
35) Methylcyclohexane	8.96	83	327568	5.53	ug/L	99
37) 1,2-Dichloropropane	9.00	63	169054	5.07	ug/L	100
38) Bromodichloromethane	9.29	83	170708	5.01	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	193561	5.26	ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	556877	59.27	ug/L	99
42) Toluene	10.03	91	864965	5.13	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	135182	5.26	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	89875	5.41	ug/L	97
47) Tetrachloroethene	10.52	164	167886	4.98	ug/L	98
48) 2-Hexanone	10.64	43	393377	62.08	ug/L	96
49) Dibromochloromethane	10.79	129	100448	5.13	ug/L	95
50) 1,2-Dibromoethane	10.89	107	73535	5.31	ug/L	94
51) Chlorobenzene	11.31	112	510411	5.00	ug/L	97
52) Ethylbenzene	11.39	91	938024	5.11	ug/L	99
53) m,p-Xylene	11.51	106	368564	5.19	ug/L	97
54) o-Xylene	11.83	106	337920	5.19	ug/L	97
55) Styrene	11.85	104	554029	5.34	ug/L	96
56) Isopropylbenzene	12.13	105	900454	5.25	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	88533	5.63	ug/L	92
59) 1,2,3-Trichloropropane	12.44	75	56690	5.39	ug/L	96
61) Bromoform	12.01	173	43687	4.88	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	325342	5.01	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	361160	5.12	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	285153	5.11	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	8156	4.72	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	214502	4.86	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	138058	4.87	ug/L	98
69) Naphthalene	15.00	128	169130	5.22	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	112056	5.14	ug/L	99

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

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