

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061918\
 Data File : VR025359.D
 Acq On : 19 Jun 2018 11:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Manual Integrations
 APPROVED

MMDadoda
 6/21/2018 11:53:15 AM

Quant Time: Jun 20 01:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 13:22:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	632635	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	525693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	212774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	85281	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	2.64	69	65671	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	3.65	63	248560	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	6.59	46	283226	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	7.20	84	406042	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	7.89	65	156024	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	7.86	84	860603	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	8.90	67	249815	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.97	98	792195	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	10.24	79	59486	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	10.59	63	244244	52.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	110598	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	174034	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	213460	5.22 ug/L	99
3) Chloromethane	2.01	50	115846	3.91 ug/L	92
5) Vinyl chloride	2.16	62	104048	3.97 ug/L	98
6) Bromomethane	2.53	94	52117	4.08 ug/L	97
8) Chloroethane	2.67	64	57765	4.22 ug/L	87
9) Trichlorofluoromethane	2.99	101	201051	5.25 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	115828	5.16 ug/L	96
12) 1,1-Dichloroethene	3.67	96	98967	4.45 ug/L	92
13) Acetone	3.70	43	118663	45.49 ug/L	97
14) Carbon disulfide	3.96	76	190168	4.06 ug/L	97
15) Methyl Acetate	4.20	43	26599	4.06 ug/L	97
16) Methylene chloride	4.41	84	85838m	4.24 ug/L	
17) Methyl tert-butyl Ether	4.90	73	296634	4.47 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	234086	5.12 ug/L	96
19) 1,1-Dichloroethane	5.69	63	428371	4.99 ug/L	99
21) 2-Butanone	6.69	43	323193	52.42 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	241391	5.06 ug/L #	95

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

23) Bromochloromethane	7.05	128	70221	5.03	ug/L	98
25) Chloroform	7.23	83	411137	5.24	ug/L	98
27) 1,2-Dichloroethane	7.99	62	178151m	4.97	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	289009	4.63	ug/L	98
30) Cyclohexane	7.52	56	377183	4.73	ug/L	99
31) Carbon tetrachloride	7.64	117	275993	5.03	ug/L	99
33) Benzene	7.91	78	1004675	4.87	ug/L	100
34) Trichloroethene	8.71	95	239301	4.79	ug/L	98
35) Methylcyclohexane	8.96	83	403324	5.12	ug/L	97
37) 1,2-Dichloropropane	8.99	63	238879	5.21	ug/L	100
38) Bromodichloromethane	9.28	83	224415	5.04	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	257482	4.76	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	759957	51.18	ug/L	98
42) Toluene	10.03	91	1043304	4.72	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	181508	4.88	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	110058	5.17	ug/L	91
47) Tetrachloroethene	10.51	164	163422	4.90	ug/L	95
48) 2-Hexanone	10.63	43	515487	54.46	ug/L	98
49) Dibromochloromethane	10.78	129	99840	4.87	ug/L	97
50) 1,2-Dibromoethane	10.89	107	84484	4.95	ug/L #	93
51) Chlorobenzene	11.31	112	583080	4.92	ug/L	97
52) Ethylbenzene	11.39	91	1151416	5.25	ug/L	98
53) m,p-Xylene	11.50	106	424260	5.06	ug/L	93
54) o-Xylene	11.83	106	386275	5.16	ug/L	99
55) Styrene	11.84	104	629160	5.47	ug/L	98
56) Isopropylbenzene	12.13	105	1078630	5.36	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	111320	5.64	ug/L #	98
59) 1,2,3-Trichloropropane	12.43	75	75507	5.30	ug/L	96
61) Bromoform	12.01	173	30438	4.01	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	352518	4.72	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	375526	5.03	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	298818	4.99	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	10032	4.24	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	247047	5.00	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	162519	4.72	ug/L	98
69) Naphthalene	15.00	128	211419	4.72	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	134010	5.03	ug/L	99

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

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