

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091218\
 Data File : VR025692.D
 Acq On : 12 Sep 2018 13:07
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 3:01:14 PM

Quant Time: Sep 13 03:54:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 10 01:09:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637568	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	262512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	115144	4.15	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	2.62	69	100139	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	3.63	63	357508	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	6.60	46	149245	53.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.68%
24) Chloroform-d	7.20	84	324887	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	7.90	65	113912	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	7.85	84	762168	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	8.90	67	207719	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	9.97	98	769931	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	10.24	79	50605	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	187172	59.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	102730	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	176000	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	158988	4.89	ug/L	99
3) Chloromethane	2.01	50	164460	4.12	ug/L	94
5) Vinyl chloride	2.17	62	168291	4.24	ug/L	97
6) Bromomethane	2.52	94	131562	4.63	ug/L	89
8) Chloroethane	2.66	64	107415	4.61	ug/L	93
9) Trichlorofluoromethane	2.98	101	380061m	5.20	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	202974	5.15	ug/L	95
12) 1,1-Dichloroethene	3.65	96	189537	4.56	ug/L	89
13) Acetone	3.70	43	113146	60.00	ug/L	98
14) Carbon disulfide	3.97	76	437625	4.46	ug/L #	94
15) Methyl Acetate	4.19	43	33940	5.05	ug/L	95
16) Methylene chloride	4.41	84	165022	4.48	ug/L	94
17) Methyl tert-butyl Ether	4.90	73	270774	5.29	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	251302	4.94	ug/L	94
19) 1,1-Dichloroethane	5.69	63	376567	4.80	ug/L	98
21) 2-Butanone	6.69	43	245427	61.67	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	230737	5.22	ug/L #	99

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

23) Bromochloromethane	7.04	128	75945	5.01	ug/L	89
25) Chloroform	7.23	83	353942	4.94	ug/L	94
27) 1,2-Dichloroethane	7.99	62	147774	5.23	ug/L #	91
29) 1,1,1-Trichloroethane	7.43	97	265657	4.54	ug/L	99
30) Cyclohexane	7.52	56	362241	5.15	ug/L	98
31) Carbon tetrachloride	7.63	117	265350	4.67	ug/L	100
33) Benzene	7.91	78	1021889	4.88	ug/L	100
34) Trichloroethene	8.71	95	227000	4.47	ug/L	98
35) Methylcyclohexane	8.95	83	416633	5.32	ug/L	99
37) 1,2-Dichloropropane	9.00	63	234759	4.97	ug/L	98
38) Bromodichloromethane	9.28	83	204616	4.83	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	240286	4.98	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	690980	59.20	ug/L	99
42) Toluene	10.04	91	1110307	5.18	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	170555	5.02	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	106276	4.81	ug/L	95
47) Tetrachloroethene	10.51	164	200152	4.82	ug/L	98
48) 2-Hexanone	10.63	43	478826	58.50	ug/L	98
49) Dibromochloromethane	10.79	129	121382	5.15	ug/L	100
50) 1,2-Dibromoethane	10.89	107	84812	4.83	ug/L #	93
51) Chlorobenzene	11.32	112	666524	4.95	ug/L	99
52) Ethylbenzene	11.39	91	1199903	5.19	ug/L	98
53) m,p-Xylene	11.50	106	484855	5.22	ug/L	97
54) o-Xylene	11.83	106	435095	5.31	ug/L	98
55) Styrene	11.84	104	723583	5.49	ug/L	100
56) Isopropylbenzene	12.13	105	1148532	5.63	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	110293	5.12	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	72508	5.00	ug/L	93
61) Bromoform	12.01	173	52677	4.69	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	358431	4.37	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	431365	4.63	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	342485	4.84	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.14	75	7888	3.79	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.29	180	240305	4.93	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	144046	4.82	ug/L	97
69) Naphthalene	15.00	128	152452	4.56	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	122635	5.18	ug/L	97

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

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