

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091318\
 Data File : VR025709.D
 Acq On : 13 Sep 2018 11:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00501

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 3:10:14 PM

Quant Time: Sep 14 06:44:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 06:30:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	728891	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	637082	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	296226	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	127463	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	2.63	69	111319	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	3.63	63	373112	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	6.59	46	124919	39.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.10%
24) Chloroform-d	7.20	84	340484	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	7.89	65	112321	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	7.85	84	797171	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	8.90	67	211679	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.97	98	785983	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	10.24	79	49494	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	10.59	63	182724	53.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	99836	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	183326	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	172990	4.65 ug/L	99
3) Chloromethane	2.01	50	181798	3.98 ug/L	94
5) Vinyl chloride	2.17	62	187887	4.14 ug/L	100
6) Bromomethane	2.52	94	138298	4.26 ug/L	99
8) Chloroethane	2.66	64	112495	4.22 ug/L	98
9) Trichlorofluoromethane	2.99	101	408291m	4.88 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	211125	4.69 ug/L	97
12) 1,1-Dichloroethene	3.64	96	208578	4.39 ug/L	95
13) Acetone	3.71	43	73948	34.30 ug/L	93
14) Carbon disulfide	3.96	76	485338	4.33 ug/L	95
15) Methyl Acetate	4.20	43	26192	3.41 ug/L #	72
16) Methylene chloride	4.41	84	162951	3.87 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	258977	4.43 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	269108	4.63 ug/L	98
19) 1,1-Dichloroethane	5.70	63	374753	4.18 ug/L	96
21) 2-Butanone	6.69	43	183391	40.31 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	227000	4.49 ug/L #	99

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

23) Bromochloromethane	7.06	128	71047	4.10	ug/L	95
25) Chloroform	7.23	83	352744	4.31	ug/L	96
27) 1,2-Dichloroethane	8.00	62	140268	4.34	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	274225	4.32	ug/L	99
30) Cyclohexane	7.52	56	356957	4.68	ug/L	99
31) Carbon tetrachloride	7.63	117	282132	4.59	ug/L	94
33) Benzene	7.91	78	1006953	4.44	ug/L	100
34) Trichloroethene	8.71	95	232514	4.23	ug/L	98
35) Methylcyclohexane	8.95	83	419510	4.94	ug/L	99
37) 1,2-Dichloropropane	9.00	63	218508	4.27	ug/L #	97
38) Bromodichloromethane	9.28	83	195925	4.26	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	232744	4.45	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	587099	46.42	ug/L	99
42) Toluene	10.04	91	1098232	4.73	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	169670	4.61	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	100893	4.21	ug/L	95
47) Tetrachloroethene	10.51	164	204830	4.55	ug/L	99
48) 2-Hexanone	10.63	43	432726	48.78	ug/L	99
49) Dibromochloromethane	10.79	129	116530	4.56	ug/L	100
50) 1,2-Dibromoethane	10.89	107	82132	4.31	ug/L	99
51) Chlorobenzene	11.32	112	666663	4.56	ug/L	100
52) Ethylbenzene	11.39	91	1230552	4.92	ug/L	96
53) m,p-Xylene	11.50	106	491861	4.88	ug/L	97
54) o-Xylene	11.83	106	442224	4.98	ug/L	97
55) Styrene	11.84	104	713873	5.00	ug/L	99
56) Isopropylbenzene	12.13	105	1173537	5.31	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	107752	4.62	ug/L	90
59) 1,2,3-Trichloropropane	12.43	75	68529	4.36	ug/L	98
61) Bromoform	12.01	173	50892	4.02	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	393785	4.26	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	449545	4.27	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	342344	4.29	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	8853	3.77	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	244313	4.44	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	140132	4.15	ug/L	99
69) Naphthalene	15.00	128	149047	3.95	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	113700	4.26	ug/L	97

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

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