

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100118\
 Data File : VR025908.D
 Acq On : 1 Oct 2018 10:44
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 6:05:31 PM

Quant Time: Oct 02 01:42:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 07:47:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	619890	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	512405	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	194661	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	195274	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	2.63	69	175831	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	3.62	63	459435	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	6.59	46	247725	45.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.92%
24) Chloroform-d	7.20	84	387074	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.90	65	163502	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	7.85	84	749869	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	8.90	67	208455	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	9.97	98	688860	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.24	79	53277	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	10.59	63	191095	48.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81720	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	139761	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	202394	5.371	ug/L	95
3) Chloromethane	2.01	50	232403	4.338	ug/L	97
5) Vinyl chloride	2.17	62	232421	4.358	ug/L	99
6) Bromomethane	2.52	94	146178	4.390	ug/L	94
8) Chloroethane	2.65	64	139875	4.610	ug/L	97
9) Trichlorofluoromethane	2.94	101	355419m	4.800	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	203949	4.506	ug/L	97
12) 1,1-Dichloroethene	3.63	96	206627	4.416	ug/L	83
13) Acetone	3.70	43	150190	38.024	ug/L	98
14) Carbon disulfide	3.94	76	556815	4.915	ug/L	99
15) Methyl Acetate	4.19	43	39617	3.617	ug/L	97
16) Methylene chloride	4.41	84	169478	3.939	ug/L	93
17) Methyl tert-butyl Ether	4.90	73	221721	4.279	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	176806	4.568	ug/L	86
19) 1,1-Dichloroethane	5.69	63	346963	4.528	ug/L	99
21) 2-Butanone	6.69	43	216699	39.887	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	177174	4.550	ug/L #	92

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

23) Bromochloromethane	7.06	128	46278	4.381	ug/L	81
25) Chloroform	7.23	83	329040	4.410	ug/L	93
27) 1,2-Dichloroethane	7.99	62	156262	4.197	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	296379	5.144	ug/L	99
30) Cyclohexane	7.51	56	332131	4.613	ug/L	97
31) Carbon tetrachloride	7.63	117	257599	5.162	ug/L	99
33) Benzene	7.91	78	772264	4.493	ug/L	100
34) Trichloroethene	8.71	95	205541	4.539	ug/L	90
35) Methylcyclohexane	8.95	83	326973	4.802	ug/L	96
37) 1,2-Dichloropropane	9.00	63	167669	4.548	ug/L #	98
38) Bromodichloromethane	9.28	83	177929	4.473	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	197088	4.767	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	541462	41.765	ug/L	97
42) Toluene	10.03	91	814700	4.562	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	135012	5.002	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	69545	4.170	ug/L	96
47) Tetrachloroethene	10.51	164	134698	4.827	ug/L	96
48) 2-Hexanone	10.63	43	362695	42.729	ug/L	96
49) Dibromochloromethane	10.79	129	76587	4.525	ug/L	99
50) 1,2-Dibromoethane	10.89	107	60607	4.606	ug/L #	100
51) Chlorobenzene	11.32	112	430985	4.550	ug/L	94
52) Ethylbenzene	11.39	91	965405	4.736	ug/L	99
53) m,p-Xylene	11.50	106	345222	4.757	ug/L	96
54) o-Xylene	11.83	106	315142	4.665	ug/L	92
55) Styrene	11.84	104	486407	4.627	ug/L	94
56) Isopropylbenzene	12.13	105	907022	4.868	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	67563	4.205	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	52984	4.430	ug/L	96
61) Bromoform	12.01	173	25062	4.259	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	269019	4.729	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	257792	4.429	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	206152	4.510	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	6671	3.471	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	158429	4.675	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	98283	4.549	ug/L	99
69) Naphthalene	15.00	128	120736	4.379	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	70433	4.699	ug/L	95

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

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