

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR092418\
 Data File : VR025818.D
 Acq On : 24 Sep 2018 11:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Manual Integrations
 APPROVED

MMDadoda
 9/26/2018 10:33:02 AM

Quant Time: Sep 25 07:29:30 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Sep 22 04:37:34 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	570681	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	451852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	161258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	180553	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.62	69	145804	4.54	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.61	63	457955	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	6.58	46	236632	43.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.88%
24) Chloroform-d	7.20	84	378370	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	7.90	65	163368	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	7.85	84	721593	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	196957	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	9.97	98	641418	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.23	79	56970	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	10.59	63	183327	43.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76592	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	116551	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	286875	4.826	ug/L 97
3) Chloromethane	2.01	50	314640	4.862	ug/L 98
5) Vinyl chloride	2.17	62	306943	5.008	ug/L 98
6) Bromomethane	2.52	94	177720	5.101	ug/L 96
8) Chloroethane	2.65	64	178945	5.138	ug/L 97
9) Trichlorofluoromethane	2.94	101	411357m	5.412	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	237917	5.138	ug/L 98
12) 1,1-Dichloroethene	3.63	96	250437	5.087	ug/L 76
13) Acetone	3.70	43	188569	52.457	ug/L 92
14) Carbon disulfide	3.93	76	774382	5.591	ug/L 99
15) Methyl Acetate	4.19	43	54743	4.747	ug/L 95
16) Methylene chloride	4.40	84	205715	4.648	ug/L 97
17) Methyl tert-butyl Ether	4.90	73	363057	4.217	ug/L 100
18) trans-1,2-Dichloroethene	4.89	96	256422	4.604	ug/L 97
19) 1,1-Dichloroethane	5.69	63	507915	4.460	ug/L 99
21) 2-Butanone	6.69	43	325474	43.443	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	253342	4.516	ug/L # 97

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

23) Bromochloromethane	7.05	128	65031	4.398	ug/L	95
25) Chloroform	7.23	83	475945	4.546	ug/L	97
27) 1,2-Dichloroethane	7.99	62	235761	4.357	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	443879	4.864	ug/L	99
30) Cyclohexane	7.52	56	509056	4.679	ug/L	99
31) Carbon tetrachloride	7.64	117	372401	4.959	ug/L	100
33) Benzene	7.91	78	1103887	4.654	ug/L	100
34) Trichloroethene	8.71	95	295326	4.691	ug/L	97
35) Methylcyclohexane	8.95	83	472305	4.575	ug/L	99
37) 1,2-Dichloropropane	9.00	63	240427	4.546	ug/L	99
38) Bromodichloromethane	9.28	83	266769	4.569	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	305958	4.725	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	808669	43.918	ug/L	99
42) Toluene	10.03	91	1151181	4.762	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	217403	4.845	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	101274	4.568	ug/L	98
47) Tetrachloroethene	10.51	164	172710	4.797	ug/L	97
48) 2-Hexanone	10.63	43	528469	43.642	ug/L	99
49) Dibromochloromethane	10.79	129	108782	4.709	ug/L	99
50) 1,2-Dibromoethane	10.89	107	85247	4.368	ug/L	98
51) Chlorobenzene	11.32	112	591160	4.661	ug/L	99
52) Ethylbenzene	11.39	91	1362268	4.898	ug/L	99
53) m,p-Xylene	11.50	106	475312	4.739	ug/L	99
54) o-Xylene	11.83	106	431034	4.693	ug/L	94
55) Styrene	11.84	104	670801	4.714	ug/L	99
56) Isopropylbenzene	12.13	105	1255896	4.886	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	95100	4.371	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	75604	4.377	ug/L	97
61) Bromoform	12.01	173	33903	4.505	ug/L #	89
62) 1,3-Dichlorobenzene	13.16	146	347403	4.656	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	330057	4.583	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	261344	4.600	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	10715	4.125	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	198261	4.710	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	127381	4.756	ug/L	99
69) Naphthalene	15.00	128	178630	4.583	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	85869	4.513	ug/L	99

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

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