

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021119\
 Data File : VR026308.D
 Acq On : 11 Feb 2019 14:21
 Operator : SY/MD
 Sample : VSTD02085
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:22:03 AM

Quant Time: Feb 14 06:39:45 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Feb 14 04:34:21 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	637853	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	547415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	222328	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	1006113	17.30	ug/L	0.00
7) Chloroethane-d5	2.63	69	838811	17.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2504585	17.91	ug/L	0.00
20) 2-Butanone-d5	6.58	46	877400	236.24	ug/L	0.00
24) Chloroform-d	7.20	84	1855368	19.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	704299	20.02	ug/L	0.00
32) Benzene-d6	7.85	84	3913061	20.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	952741	19.90	ug/L	0.00
41) Toluene-d8	9.97	98	3819989	21.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	284941	22.09	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	778594	265.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	335653	18.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	757244	20.35	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1042138	17.732	ug/L 97
3) Chloromethane	2.02	50	1191712	17.759	ug/L 97
5) Vinyl chloride	2.17	62	1187540	17.567	ug/L 97
6) Bromomethane	2.53	94	748889	17.224	ug/L 93
8) Chloroethane	2.66	64	712399	17.541	ug/L 97
9) Trichlorofluoromethane	2.93	101	1938442m	17.590	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	1009734	17.438	ug/L 98
12) 1,1-Dichloroethene	3.62	96	1089910	17.885	ug/L 91
13) Acetone	3.69	43	695317	177.786	ug/L 99
14) Carbon disulfide	3.92	76	3654179	18.339	ug/L 99
15) Methyl Acetate	4.19	43	186407	17.364	ug/L 99
16) Methylene chloride	4.40	84	884450	17.141	ug/L 97
17) Methyl tert-butyl Ether	4.89	73	1196885	22.296	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	1105144	19.980	ug/L 96
19) 1,1-Dichloroethane	5.69	63	1873087	19.728	ug/L 99
21) 2-Butanone	6.68	43	1028344	232.262	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	1025272	22.981	ug/L # 93
23) Bromochloromethane	7.04	128	272849	19.606	ug/L 96
25) Chloroform	7.23	83	1802765	19.546	ug/L 97
27) 1,2-Dichloroethane	7.99	62	778779	19.520	ug/L 99
29) 1,1,1-Trichloroethane	7.43	97	1720891	19.097	ug/L 98
30) Cyclohexane	7.51	56	1712876	23.740	ug/L 100
31) Carbon tetrachloride	7.63	117	1549742	18.553	ug/L 98
33) Benzene	7.90	78	4470667	20.641	ug/L 100
34) Trichloroethene	8.71	95	1151469	20.618	ug/L 99
35) Methylcyclohexane	8.95	83	1789932	23.048	ug/L 97
37) 1,2-Dichloropropane	8.99	63	900818	19.261	ug/L 100
38) Bromodichloromethane	9.28	83	1022100	19.598	ug/L 99
39) cis-1,3-Dichloropropene	9.72	75	1173163	24.378	ug/L 99
40) 4-Methyl-2-pentanone	9.86	43	2578198	239.149	ug/L 97

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

42) Toluene	10.03	91	4728227	21.239	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	840113	23.532	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	376757	19.294	ug/L	98
47) Tetrachloroethene	10.51	164	913127	21.308	ug/L	94
48) 2-Hexanone	10.63	43	1696537	234.032	ug/L	99
49) Dibromochloromethane	10.79	129	516458	20.577	ug/L	96
50) 1,2-Dibromoethane	10.89	107	323551	20.837	ug/L #	90
51) Chlorobenzene	11.32	112	2556459	20.084	ug/L	98
52) Ethylbenzene	11.39	91	5323191	21.387	ug/L	93
53) m,p-Xylene	11.50	106	2099371	23.084	ug/L	92
54) o-Xylene	11.83	106	1997193	25.463	ug/L	83
55) Styrene	11.84	104	2979102	24.179	ug/L	99
56) Isopropylbenzene	12.13	105	5191274	23.281	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	340700	18.834	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	241904	18.555	ug/L	100
61) Bromoform	12.01	173	211409	19.308	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1620364	22.313	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	1608254	19.399	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	1273454	20.464	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	37277	18.663	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	1061419	22.806	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	619511	24.664	ug/L	97
69) Naphthalene	15.00	128	647909	28.744	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	415192	22.901	ug/L	98

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

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