

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021919\
 Data File : VR026341.D
 Acq On : 19 Feb 2019 16:43
 Operator : SY/MD
 Sample : VSTD02094
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02094

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 3:41:48 PM

Quant Time: Feb 19 17:12:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 19 16:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	627749	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	552878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	230865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	913078	15.95	ug/L	0.00
7) Chloroethane-d5	2.62	69	811056	17.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2329641	16.93	ug/L	0.00
20) 2-Butanone-d5	6.58	46	950963	260.57	ug/L	0.00
24) Chloroform-d	7.20	84	1811630	19.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	701038	20.25	ug/L	0.00
32) Benzene-d6	7.85	84	3709081	19.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	916793	18.96	ug/L	0.00
41) Toluene-d8	9.97	98	3545548	20.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	276169	21.19	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	839885	284.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	349694	19.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	748360	19.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	964320	16.672	ug/L 96
3) Chloromethane	2.02	50	1133671	17.166	ug/L 99
5) Vinyl chloride	2.17	62	1119312	16.824	ug/L 96
6) Bromomethane	2.52	94	766263	17.907	ug/L 97
8) Chloroethane	2.65	64	699212	17.494	ug/L 96
9) Trichlorofluoromethane	2.93	101	1895016m	17.589	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	970461	17.030	ug/L 98
12) 1,1-Dichloroethene	3.62	96	1022133	17.042	ug/L 93
13) Acetone	3.69	43	747395	194.177	ug/L 98
14) Carbon disulfide	3.92	76	3261885	16.634	ug/L 99
15) Methyl Acetate	4.19	43	194712	18.380	ug/L 98
16) Methylene chloride	4.40	84	870835	17.149	ug/L 93
17) Methyl tert-butyl Ether	4.89	73	1217502	23.122	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	1049524	19.280	ug/L 93
19) 1,1-Dichloroethane	5.69	63	1804043	19.307	ug/L 98
21) 2-Butanone	6.68	43	1105576	253.725	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	1012985	23.071	ug/L # 99
23) Bromochloromethane	7.05	128	270082	19.719	ug/L 93
25) Chloroform	7.23	83	1769150	19.490	ug/L 97
27) 1,2-Dichloroethane	7.99	62	787424	20.054	ug/L # 96
29) 1,1,1-Trichloroethane	7.43	97	1653889	18.172	ug/L 99
30) Cyclohexane	7.51	56	1630987	22.382	ug/L 100
31) Carbon tetrachloride	7.63	117	1480917	17.554	ug/L 99
33) Benzene	7.90	78	4276281	19.548	ug/L 100
34) Trichloroethene	8.71	95	1106719	19.621	ug/L 98
35) Methylcyclohexane	8.95	83	1700736	21.683	ug/L 98
37) 1,2-Dichloropropane	8.99	63	883291	18.699	ug/L 98
38) Bromodichloromethane	9.28	83	1013061	19.233	ug/L 99
39) cis-1,3-Dichloropropene	9.72	75	1158168	23.829	ug/L 100
40) 4-Methyl-2-pentanone	9.86	43	2769902	254.392	ug/L 97

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

42) Toluene	10.03	91	4527330	20.135	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	836195	23.191	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	374381	18.982	ug/L	96
47) Tetrachloroethene	10.51	164	846477	19.558	ug/L	97
48) 2-Hexanone	10.63	43	1827168	249.561	ug/L	96
49) Dibromochloromethane	10.78	129	525503	20.731	ug/L	100
50) 1,2-Dibromoethane	10.88	107	326191	20.800	ug/L #	95
51) Chlorobenzene	11.32	112	2460041	19.135	ug/L	98
52) Ethylbenzene	11.39	91	5123977	20.383	ug/L	92
53) m,p-Xylene	11.50	106	2015948	21.948	ug/L	97
54) o-Xylene	11.83	106	1916919	24.198	ug/L	94
55) Styrene	11.84	104	2887073	23.200	ug/L	97
56) Isopropylbenzene	12.13	105	5047484	22.412	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	361039	19.761	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	254765	19.348	ug/L	97
61) Bromoform	12.01	173	213312	18.761	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	1610873	21.362	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	1600441	18.591	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1285260	19.890	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	39566	16.939	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	1067806	22.095	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	642198	24.622	ug/L	98
69) Naphthalene	15.00	128	704773	30.111	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	451213	23.968	ug/L	99

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

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