

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020423\
 Data File : VX034013.D
 Acq On : 03 Feb 2023 16:18
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:21:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 22:11:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	148580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205885	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142526	92.694	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 185.380%#			
35) Dibromofluoromethane	5.385	113	130333	101.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 202.740%#			
50) Toluene-d8	8.647	98	471298	101.155	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 202.300%#			
62) 4-Bromofluorobenzene	11.079	95	173914	101.462	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 202.920%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	130604	109.983	ug/l	99
3) Chloromethane	1.295	50	119651	94.628	ug/l	96
4) Vinyl Chloride	1.374	62	127220	104.146	ug/l	98
5) Bromomethane	1.605	94	61014	86.275	ug/l	97
6) Chloroethane	1.679	64	72391	95.292	ug/l	98
7) Trichlorofluoromethane	1.886	101	199263	98.757	ug/l	97
8) Diethyl Ether	2.130	74	67686	99.822	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	130341	96.600	ug/l	92
10) Methyl Iodide	2.453	142	198697	112.107	ug/l	93
11) Tert butyl alcohol	2.959	59	108887m	421.813	ug/l	
12) 1,1-Dichloroethene	2.319	96	124719	98.173	ug/l	90
13) Acrolein	2.233	56	144209	544.698	ug/l	100
14) Allyl chloride	2.666	41	211696	91.516	ug/l	89
15) Acrylonitrile	3.063	53	341250	485.160	ug/l	99
16) Acetone	2.374	43	296480	421.503	ug/l	93
17) Carbon Disulfide	2.514	76	328999	99.412	ug/l	99
18) Methyl Acetate	2.697	43	204134	95.053	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	403478	97.426	ug/l	99
20) Methylene Chloride	2.788	84	136951	90.916	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	136313	97.067	ug/l	95
22) Diisopropyl ether	3.758	45	406124	90.614	ug/l	91
23) Vinyl Acetate	3.721	43	1600485	473.718	ug/l	97
24) 1,1-Dichloroethane	3.611	63	233757	94.418	ug/l	99
25) 2-Butanone	4.550	43	458329	459.715	ug/l	95
26) 2,2-Dichloropropane	4.477	77	180243	101.271	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	156538	97.238	ug/l	97
28) Bromochloromethane	4.898	49	101402	90.682	ug/l	90
29) Tetrahydrofuran	5.001	42	296807	471.568	ug/l	95
30) Chloroform	5.093	83	242583	95.442	ug/l	98
31) Cyclohexane	5.471	56	216386	95.851	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	219217	100.917	ug/l	97
36) 1,1-Dichloropropene	5.690	75	184244	98.825	ug/l	98
37) Ethyl Acetate	4.709	43	178907	88.561	ug/l	98
38) Carbon Tetrachloride	5.678	117	203526	105.376	ug/l	97
39) Methylcyclohexane	7.379	83	236862	102.572	ug/l	96
40) Benzene	6.038	78	535598	98.753	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	100693	99.739	ug/l	96
42) 1,2-Dichloroethane	6.086	62	185802	97.310	ug/l	99
43) Isopropyl Acetate	6.336	43	291943	100.334	ug/l	97
44) Trichloroethene	7.123	130	166529	108.364	ug/l	95
45) 1,2-Dichloropropane	7.428	63	135882	100.325	ug/l	100
46) Dibromomethane	7.580	93	98312	103.384	ug/l	94
47) Bromodichloromethane	7.818	83	189665	103.939	ug/l	98
48) Methyl methacrylate	7.690	41	148766	101.724	ug/l	95
49) 1,4-Dioxane	7.671	88	53314	1693.295	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	867257	487.517	ug/l	97
52) Toluene	8.720	92	350483	100.209	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	208021	114.097	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	226038	110.390	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	140431	101.014	ug/l	98
56) Ethyl methacrylate	9.116	69	213638	109.715	ug/l	96
57) 1,3-Dichloropropane	9.305	76	230571	102.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	467465	491.241	ug/l	97
59) 2-Hexanone	9.433	43	639360	516.743	ug/l	96
60) Dibromochloromethane	9.519	129	165894	114.844	ug/l	100
61) 1,2-Dibromoethane	9.610	107	156174	112.966	ug/l	98
64) Tetrachloroethene	9.275	164	152918	105.188	ug/l	97
65) Chlorobenzene	10.080	112	395513	101.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	154001	107.350	ug/l	99
67) Ethyl Benzene	10.195	91	676257	102.040	ug/l	100
68) m/p-Xylenes	10.299	106	533661	205.287	ug/l	100
69) o-Xylene	10.640	106	262047	102.058	ug/l	99
70) Styrene	10.653	104	441322	105.758	ug/l	100
71) Bromoform	10.799	173	136502	113.964	ug/l #	100
73) Isopropylbenzene	10.964	105	680595	93.806	ug/l	99
74) N-amyl acetate	10.842	43	247450	96.386	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	200223	92.046	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	160764m	88.123	ug/l	
77) Bromobenzene	11.195	156	189754	96.465	ug/l	97
78) n-propylbenzene	11.305	91	768448	95.097	ug/l	99
79) 2-Chlorotoluene	11.366	91	452850	92.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	567685	94.731	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	64936	110.457	ug/l	94
82) 4-Chlorotoluene	11.451	91	519126	92.999	ug/l	98
83) tert-Butylbenzene	11.713	119	601616	101.669	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	577198	102.220	ug/l	100
85) sec-Butylbenzene	11.890	105	715371	101.037	ug/l	99
86) p-Isopropyltoluene	12.006	119	627498	103.360	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	347192	103.091	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	345744	100.917	ug/l	100
89) n-Butylbenzene	12.329	91	511123	103.482	ug/l	99
90) Hexachloroethane	12.536	117	106230	107.320	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	335819	103.105	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44264	109.058	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	251018	114.014	ug/l	100
94) Hexachlorobutadiene	13.725	225	116197	107.939	ug/l	99
95) Naphthalene	13.774	128	706314	111.817	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	246066	111.509	ug/l	99

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

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