

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100622\
 Data File : VX031913.D
 Acq On : 06 Oct 2022 11:48
 Operator : JC/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC010

Quant Time: Oct 06 13:12:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 13:10:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/07/2022
 Supervised By : Mahesh Dadoda 10/07/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	64209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	102854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	14028	13.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	27.140%#		
35) Dibromofluoromethane	5.391	113	11637	10.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.540%#		
50) Toluene-d8	8.647	98	43300	10.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	21.500%#		
62) 4-Bromofluorobenzene	11.085	95	14637	10.073	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	20.140%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	10738	13.662	ug/l	95
3) Chloromethane	1.288	50	10741	15.049	ug/l	97
4) Vinyl Chloride	1.374	62	13006	14.418	ug/l	99
5) Bromomethane	1.612	94	10461	13.050	ug/l	98
6) Chloroethane	1.685	64	8253	10.587	ug/l	98
7) Trichlorofluoromethane	1.886	101	22730	12.462	ug/l	92
8) Diethyl Ether	2.130	74	8036	12.894	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	11209	12.610	ug/l	93
10) Methyl Iodide	2.453	142	8542	9.704	ug/l	95
11) Tert butyl alcohol	2.983	59	9305m	59.574	ug/l	
12) 1,1-Dichloroethene	2.319	96	10298	12.249	ug/l	90
13) Acrolein	2.239	56	5426	59.159	ug/l	99
14) Allyl chloride	2.660	41	13875	14.883	ug/l	97
15) Acrylonitrile	3.062	53	28603	73.853	ug/l	98
16) Acetone	2.386	43	24574	80.304	ug/l	99
17) Carbon Disulfide	2.508	76	20388	12.159	ug/l	97
18) Methyl Acetate	2.703	43	16341	16.267	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	34752	13.285	ug/l	99
20) Methylene Chloride	2.788	84	12167	12.577	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	11199	11.968	ug/l	91
22) Diisopropyl ether	3.764	45	33736	15.517	ug/l	95
23) Vinyl Acetate	3.721	43	125244	77.391	ug/l	98
24) 1,1-Dichloroethane	3.611	63	20258	14.099	ug/l	97
25) 2-Butanone	4.562	43	38026	77.668	ug/l	97
26) 2,2-Dichloropropane	4.477	77	14053	13.073	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	13273	12.072	ug/l	87
28) Bromochloromethane	4.910	49	8463	14.504	ug/l	84
29) Tetrahydrofuran	5.013	42	24429	79.549	ug/l	93
30) Chloroform	5.093	83	22219	12.839	ug/l	99
31) Cyclohexane	5.471	56	16651	13.627	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	18121	11.990	ug/l	97
36) 1,1-Dichloropropene	5.696	75	15883	11.752	ug/l	97
37) Ethyl Acetate	4.721	43	15792	14.550	ug/l	98
38) Carbon Tetrachloride	5.678	117	16339	10.495	ug/l	97
39) Methylcyclohexane	7.385	83	18623	10.843	ug/l	87
40) Benzene	6.038	78	47565	11.740	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	8101	14.336	ug/l	93
42) 1,2-Dichloroethane	6.086	62	16676	12.163	ug/l	96
43) Isopropyl Acetate	6.348	43	22909	13.785	ug/l	97
44) Trichloroethene	7.129	130	13271	9.909	ug/l	87
45) 1,2-Dichloropropane	7.434	63	11506	12.513	ug/l	95
46) Dibromomethane	7.580	93	9014	11.391	ug/l	93
47) Bromodichloromethane	7.824	83	15064	11.064	ug/l	99
48) Methyl methacrylate	7.696	41	10642	13.393	ug/l	90
49) 1,4-Dioxane	7.684	88	6704	269.024	ug/l	87
51) 4-Methyl-2-Pentanone	8.574	43	78401	69.995	ug/l	98
52) Toluene	8.720	92	31292	11.035	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	13843	11.150	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	15943	11.185	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	12825	11.013	ug/l	96
56) Ethyl methacrylate	9.116	69	16402	11.904	ug/l	93
57) 1,3-Dichloropropane	9.311	76	21029	11.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	41652	60.151	ug/l	93
59) 2-Hexanone	9.433	43	58039	71.304	ug/l	95
60) Dibromochloromethane	9.525	129	11674	10.114	ug/l	100
61) 1,2-Dibromoethane	9.610	107	12813	10.446	ug/l	100
64) Tetrachloroethene	9.275	164	12207	9.202	ug/l	96
65) Chlorobenzene	10.080	112	33725	10.772	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	11595	10.606	ug/l	97
67) Ethyl Benzene	10.195	91	58302	11.453	ug/l	96
68) m/p-Xylenes	10.305	106	47147	22.194	ug/l	98
69) o-Xylene	10.640	106	22146	10.617	ug/l	100
70) Styrene	10.659	104	36931	11.231	ug/l	97
71) Bromoform	10.805	173	7011	8.883	ug/l #	96
73) Isopropylbenzene	10.964	105	58706	11.418	ug/l	99
74) N-amyl acetate	10.848	43	17818	14.548	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	18803	12.915	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	15701m	12.834	ug/l	
77) Bromobenzene	11.201	156	14098	10.318	ug/l	96
78) n-propylbenzene	11.305	91	67106	12.092	ug/l	99
79) 2-Chlorotoluene	11.366	91	40080	11.878	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	49791	11.669	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	3070	9.937	ug/l #	64
82) 4-Chlorotoluene	11.457	91	45872	11.864	ug/l	100
83) tert-Butylbenzene	11.713	119	49260	11.545	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	50238	11.788	ug/l	99
85) sec-Butylbenzene	11.890	105	60969	11.749	ug/l	100
86) p-Isopropyltoluene	12.012	119	51538	11.357	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	27226	10.524	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	27982	10.509	ug/l	98
89) n-Butylbenzene	12.335	91	40954	11.831	ug/l	99
90) Hexachloroethane	12.542	117	6934	11.299	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	27671	10.697	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	3558	13.605	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	15675	9.634	ug/l	99
94) Hexachlorobutadiene	13.725	225	6021	9.163	ug/l	94
95) Naphthalene	13.774	128	57477	10.987	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	16358	9.987	ug/l	96

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

