

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032976.D
 Acq On : 22 Nov 2022 12:33
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 22 13:17:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 10:04:48 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2022
 Supervised By : Mahesh Dadoda 11/28/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	9289	5.453	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.900%#		
35) Dibromofluoromethane	5.385	113	6928	4.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.920%#		
50) Toluene-d8	8.647	98	24145	4.970	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.940%#		
62) 4-Bromofluorobenzene	11.079	95	8292	4.369	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.740%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	5144	3.638	ug/l	97
3) Chloromethane	1.294	50	5639	4.716	ug/l	93
4) Vinyl Chloride	1.374	62	6106	4.640	ug/l	96
5) Bromomethane	1.617	94	4963	4.719	ug/l	94
6) Chloroethane	1.691	64	5184	5.872	ug/l	99
7) Trichlorofluoromethane	1.892	101	12188	4.888	ug/l	98
8) Diethyl Ether	2.136	74	3888	4.812	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	6085	4.624	ug/l	98
10) Methyl Iodide	2.453	142	5304	3.878	ug/l	98
11) Tert butyl alcohol	3.014	59	5185m	20.914	ug/l	
12) 1,1-Dichloroethene	2.325	96	5816	4.731	ug/l	92
13) Acrolein	2.245	56	6461	26.105	ug/l	100
14) Allyl chloride	2.666	41	8856	4.519	ug/l	96
15) Acrylonitrile	3.068	53	13914	20.680	ug/l	98
16) Acetone	2.392	43	13812	22.310	ug/l	97
17) Carbon Disulfide	2.514	76	15508	5.296	ug/l	98
18) Methyl Acetate	2.709	43	8040	3.994	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	19324	4.472	ug/l	93
20) Methylene Chloride	2.794	84	7059	4.973	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	6446	4.817	ug/l	96
22) Diisopropyl ether	3.763	45	19150	4.518	ug/l	89
23) Vinyl Acetate	3.727	43	74050	21.622	ug/l	99
24) 1,1-Dichloroethane	3.611	63	11828	4.851	ug/l	99
25) 2-Butanone	4.574	43	19759	20.601	ug/l	97
26) 2,2-Dichloropropane	4.483	77	8786	4.533	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	7170	4.635	ug/l	96
28) Bromochloromethane	4.903	49	4729	5.445	ug/l #	96
29) Tetrahydrofuran	5.019	42	12748	20.844	ug/l	97
30) Chloroform	5.099	83	12703	4.748	ug/l	100
31) Cyclohexane	5.477	56	10448	5.059	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	11103	4.625	ug/l	98
36) 1,1-Dichloropropene	5.696	75	8843	4.545	ug/l	98
37) Ethyl Acetate	4.721	43	7503	3.705	ug/l	98
38) Carbon Tetrachloride	5.684	117	9875	4.576	ug/l	95
39) Methylcyclohexane	7.379	83	10312	4.480	ug/l	89
40) Benzene	6.043	78	25797	4.685	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	4326	4.193	ug/l	97
42) 1,2-Dichloroethane	6.092	62	10670	4.741	ug/l	98
43) Isopropyl Acetate	6.342	43	12633	4.063	ug/l	98
44) Trichloroethene	7.129	130	7307	4.714	ug/l	94
45) 1,2-Dichloropropane	7.434	63	6439	4.556	ug/l #	86
46) Dibromomethane	7.586	93	4815	4.442	ug/l	96
47) Bromodichloromethane	7.824	83	9112	4.435	ug/l	95
48) Methyl methacrylate	7.696	41	6547	4.077	ug/l	98
49) 1,4-Dioxane	7.732	88	2485m	81.193	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	40425	20.639	ug/l	98
52) Toluene	8.720	92	16792	4.675	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	8276	3.948	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	9468	4.223	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	6730	4.449	ug/l	94
56) Ethyl methacrylate	9.116	69	8684	3.989	ug/l	99
57) 1,3-Dichloropropane	9.311	76	10712	4.385	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.244	63	20832	19.873	ug/l	100
59) 2-Hexanone	9.433	43	28913	19.894	ug/l	99
60) Dibromochloromethane	9.518	129	6500	3.934	ug/l	93
61) 1,2-Dibromoethane	9.610	107	6938	4.328	ug/l	99
64) Tetrachloroethene	9.275	164	6299	4.932	ug/l	96
65) Chlorobenzene	10.079	112	18226	4.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	6457	4.390	ug/l	99
67) Ethyl Benzene	10.195	91	31660	4.530	ug/l	99
68) m/p-Xylenes	10.299	106	23900	8.806	ug/l	100
69) o-Xylene	10.640	106	11673	4.424	ug/l	98
70) Styrene	10.659	104	18475	4.213	ug/l	97
71) Bromoform	10.805	173	4554	3.916	ug/l #	98
73) Isopropylbenzene	10.963	105	30748	4.732	ug/l	100
74) N-amyl acetate	10.841	43	10043	4.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	9686	4.644	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	8577m	4.701	ug/l	
77) Bromobenzene	11.201	156	7704	4.836	ug/l	100
78) n-propylbenzene	11.305	91	34833	4.653	ug/l	97
79) 2-Chlorotoluene	11.366	91	21377	4.768	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	25740	4.635	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	1991	3.473	ug/l #	84
82) 4-Chlorotoluene	11.457	91	24537	4.677	ug/l	97
83) tert-Butylbenzene	11.713	119	24773	4.468	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	25844	4.679	ug/l	99
85) sec-Butylbenzene	11.890	105	30762	4.611	ug/l	99
86) p-Isopropyltoluene	12.012	119	25431	4.492	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	14168	4.715	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	13932	4.469	ug/l	92
89) n-Butylbenzene	12.335	91	21105	4.285	ug/l	98
90) Hexachloroethane	12.536	117	4128	4.464	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	13637	4.602	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1782	3.896	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	8331	4.312	ug/l	99
94) Hexachlorobutadiene	13.725	225	3712	4.600	ug/l	98
95) Naphthalene	13.780	128	26685	4.145	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	8355	4.254	ug/l	99

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

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