

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020924\
 Data File : VX040180.D
 Acq On : 09 Feb 2024 17:42
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 05:48:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 10 05:39:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	85469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	125903	99.017	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 198.040%#			
35) Dibromofluoromethane	5.385	113	100511	100.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 201.480%#			
50) Toluene-d8	8.653	98	372115	99.705	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 199.420%#			
62) 4-Bromofluorobenzene	11.079	95	159322	104.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 209.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	99218	102.769	ug/l	99
3) Chloromethane	1.295	50	98046	98.482	ug/l	98
4) Vinyl Chloride	1.374	62	105272	100.060	ug/l	99
5) Bromomethane	1.593	94	53508	90.126	ug/l	96
6) Chloroethane	1.673	64	60741	91.543	ug/l	100
7) Trichlorofluoromethane	1.880	101	171703	101.625	ug/l	100
8) Diethyl Ether	2.136	74	61339	96.644	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	90470	99.824	ug/l	98
10) Methyl Iodide	2.447	142	109592	108.919	ug/l	93
11) Tert butyl alcohol	2.977	59	126566	511.018	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	88378	101.280	ug/l	92
13) Acrolein	2.239	56	109178	498.039	ug/l	99
14) Allyl chloride	2.660	41	152787	100.895	ug/l	95
15) Acrylonitrile	3.069	53	283302	511.223	ug/l	99
16) Acetone	2.386	43	251203	481.023	ug/l	95
17) Carbon Disulfide	2.508	76	225839	98.032	ug/l	100
18) Methyl Acetate	2.703	43	142198	101.574	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	323282	105.160	ug/l	100
20) Methylene Chloride	2.788	84	101997	105.969	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	96503	97.104	ug/l	98
22) Diisopropyl ether	3.764	45	327628	106.680	ug/l	90
23) Vinyl Acetate	3.721	43	1493650	545.569	ug/l	98
24) 1,1-Dichloroethane	3.605	63	181352	101.374	ug/l	99
25) 2-Butanone	4.556	43	413307	506.311	ug/l	96
26) 2,2-Dichloropropane	4.477	77	151063	109.695	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	115701	102.054	ug/l	95
28) Bromochloromethane	4.904	49	76736	101.031	ug/l	91
29) Tetrahydrofuran	5.007	42	272299	512.012	ug/l	93
30) Chloroform	5.093	83	202474	104.682	ug/l	100
31) Cyclohexane	5.471	56	151442	99.854	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	175606	107.922	ug/l	99
36) 1,1-Dichloropropene	5.690	75	143759	102.859	ug/l	99
37) Ethyl Acetate	4.715	43	159798	102.755	ug/l	99
38) Carbon Tetrachloride	5.678	117	144062	108.410	ug/l	98
39) Methylcyclohexane	7.379	83	164092	101.028	ug/l	97
40) Benzene	6.038	78	407606	104.290	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	90788	111.676	ug/l	95
42) 1,2-Dichloroethane	6.086	62	162294	106.236	ug/l	100
43) Isopropyl Acetate	6.342	43	262978	108.326	ug/l	98
44) Trichloroethene	7.123	130	110046	102.074	ug/l	100
45) 1,2-Dichloropropane	7.428	63	107053	105.233	ug/l	95
46) Dibromomethane	7.580	93	79800	106.511	ug/l	97
47) Bromodichloromethane	7.824	83	158347	109.688	ug/l	96
48) Methyl methacrylate	7.696	41	134550	108.317	ug/l	92
49) 1,4-Dioxane	7.659	88	56159	2078.174	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	892779	538.644	ug/l	100
52) Toluene	8.720	92	264357	103.262	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	178313	103.370	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	182675	112.909	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	115929	106.172	ug/l	96
56) Ethyl methacrylate	9.116	69	186140	113.874	ug/l	96
57) 1,3-Dichloropropane	9.311	76	188589	105.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	419246	542.172	ug/l	98
59) 2-Hexanone	9.433	43	722523	549.818	ug/l	98
60) Dibromochloromethane	9.525	129	127266	114.402	ug/l	100
61) 1,2-Dibromoethane	9.610	107	125438	108.078	ug/l	99
64) Tetrachloroethene	9.275	164	95971	97.785	ug/l	96
65) Chlorobenzene	10.080	112	295672	101.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	111726	110.364	ug/l	99
67) Ethyl Benzene	10.195	91	544905	104.673	ug/l	99
68) m/p-Xylenes	10.299	106	409349	208.204	ug/l	98
69) o-Xylene	10.640	106	203506	106.515	ug/l	97
70) Styrene	10.659	104	349979	110.178	ug/l	99
71) Bromoform	10.799	173	99996	103.754	ug/l #	98
73) Isopropylbenzene	10.964	105	552061	99.306	ug/l	99
74) N-amyl acetate	10.842	43	271922	114.114	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	202022	101.149	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	164354m	102.828	ug/l	
77) Bromobenzene	11.195	156	134984	102.805	ug/l	95
78) n-propylbenzene	11.305	91	671146	99.718	ug/l	99
79) 2-Chlorotoluene	11.366	91	399481	98.293	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	479136	102.375	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	60429	102.179	ug/l	95
82) 4-Chlorotoluene	11.457	91	475502	98.746	ug/l	99
83) tert-Butylbenzene	11.713	119	471094	102.669	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	481338	101.656	ug/l	99
85) sec-Butylbenzene	11.890	105	592624	100.497	ug/l	99
86) p-Isopropyltoluene	12.006	119	494608	102.323	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	264447	101.649	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	267809	97.206	ug/l	99
89) n-Butylbenzene	12.335	91	475289	101.860	ug/l	98
90) Hexachloroethane	12.536	117	87590	114.878	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	253633	100.708	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50198	108.896	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	167846	97.347	ug/l	98
94) Hexachlorobutadiene	13.725	225	66402	96.494	ug/l	98
95) Naphthalene	13.774	128	559543	102.750	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	164457	100.064	ug/l	97

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

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