

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030822\
 Data File : VX027331.D
 Acq On : 08 Mar 2022 14:43
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/11/2022

Quant Time: Mar 08 15:13:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:10:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	367562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	584305	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	274002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206003	79.957	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 159.920%#			
35) Dibromofluoromethane	5.391	113	186067	81.947	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 163.900%#			
50) Toluene-d8	8.653	98	699963	84.907	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 169.820%#			
62) 4-Bromofluorobenzene	11.079	95	266524	88.398	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 176.800%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	185444	59.506	ug/l	99
3) Chloromethane	1.294	50	182911	46.772	ug/l	100
4) Vinyl Chloride	1.374	62	195427	45.290	ug/l	100
5) Bromomethane	1.599	94	82622	50.030	ug/l	98
6) Chloroethane	1.679	64	111004	31.800	ug/l	99
7) Trichlorofluoromethane	1.886	101	266745	43.975	ug/l	96
8) Diethyl Ether	2.136	74	105567	43.759	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	173166	48.688	ug/l	95
10) Methyl Iodide	2.453	142	263804	70.975	ug/l	100
11) Tert butyl alcohol	2.965	59	202964	310.819	ug/l	100
12) 1,1-Dichloroethene	2.319	96	172939	48.137	ug/l	94
13) Acrolein	2.239	56	132378	416.341	ug/l	96
14) Allyl chloride	2.660	41	270185	56.658	ug/l	95
15) Acrylonitrile	3.062	53	535325	295.195	ug/l	100
16) Acetone	2.380	43	420406	250.068	ug/l	98
17) Carbon Disulfide	2.508	76	449151	47.865	ug/l	100
18) Methyl Acetate	2.703	43	224823	59.441	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	568680	57.004	ug/l	98
20) Methylene Chloride	2.788	84	196508	48.193	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	184303	50.115	ug/l	98
22) Diisopropyl ether	3.764	45	546726	57.492	ug/l	91
23) Vinyl Acetate	3.727	43	2329160	302.982	ug/l	96
24) 1,1-Dichloroethane	3.611	63	327221	52.023	ug/l	99
25) 2-Butanone	4.556	43	707192	312.611	ug/l	98
26) 2,2-Dichloropropane	4.483	77	236221	47.470	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	217901	52.756	ug/l	95
28) Bromochloromethane	4.897	49	134929	52.212	ug/l	97
29) Tetrahydrofuran	5.007	42	471209	335.389	ug/l	94
30) Chloroform	5.099	83	343702	50.361	ug/l	99
31) Cyclohexane	5.471	56	294801	64.545	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	298949	52.614	ug/l	98
36) 1,1-Dichloropropene	5.696	75	254134	52.476	ug/l	98
37) Ethyl Acetate	4.721	43	267894	61.513	ug/l	100
38) Carbon Tetrachloride	5.684	117	266022	50.506	ug/l	98
39) Methylcyclohexane	7.385	83	322225	59.048	ug/l	98
40) Benzene	6.044	78	764474	52.571	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	148346	62.884	ug/l	95
42) 1,2-Dichloroethane	6.092	62	257292	51.385	ug/l	99
43) Isopropyl Acetate	6.342	43	408438	61.382	ug/l	98
44) Trichloroethene	7.129	130	210403	52.063	ug/l	100
45) 1,2-Dichloropropane	7.434	63	196484	51.766	ug/l	98
46) Dibromomethane	7.580	93	139361	53.752	ug/l	99
47) Bromodichloromethane	7.824	83	259653	49.787	ug/l	100
48) Methyl methacrylate	7.696	41	204545	63.486	ug/l	93
49) 1,4-Dioxane	7.659	88	103343	1204.592	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1398598	336.630	ug/l	97
52) Toluene	8.720	92	501963	56.645	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	276053	55.127	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	307961	54.179	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	206681	53.794	ug/l	97
56) Ethyl methacrylate	9.116	69	315465	66.971	ug/l	94
57) 1,3-Dichloropropane	9.311	76	333862	52.843	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	793469	300.164	ug/l	100
59) 2-Hexanone	9.433	43	1088405	351.301	ug/l	95
60) Dibromochloromethane	9.525	129	217561	52.511	ug/l	96
61) 1,2-Dibromoethane	9.610	107	217431	55.595	ug/l	97
64) Tetrachloroethene	9.275	164	178803	51.583	ug/l	97
65) Chlorobenzene	10.079	112	547876	55.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	195482	52.680	ug/l	99
67) Ethyl Benzene	10.195	91	965801	59.981	ug/l	97
68) m/p-Xylenes	10.305	106	757951	124.459	ug/l	100
69) o-Xylene	10.646	106	374800	64.803	ug/l	99
70) Styrene	10.659	104	635281	66.098	ug/l	99
71) Bromoform	10.799	173	164654	55.504	ug/l	99
73) Isopropylbenzene	10.963	105	975013	63.614	ug/l	100
74) N-amyl acetate	10.842	43	371084	69.294	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	327273	55.777	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	294441m	58.038	ug/l	
77) Bromobenzene	11.201	156	244782	58.594	ug/l	96
78) n-propylbenzene	11.305	91	1126661	64.946	ug/l	98
79) 2-Chlorotoluene	11.366	91	680653	62.694	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	840534	66.458	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	94556	62.596	ug/l	92
82) 4-Chlorotoluene	11.457	91	783468	62.996	ug/l	100
83) tert-Butylbenzene	11.719	119	846407	65.871	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	845550	66.757	ug/l	99
85) sec-Butylbenzene	11.890	105	1026989	69.910	ug/l	100
86) p-Isopropyltoluene	12.012	119	877890	66.037	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	458035	59.880	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	453479	57.264	ug/l	99
89) n-Butylbenzene	12.335	91	743457	64.394	ug/l	98
90) Hexachloroethane	12.542	117	135761	51.333	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	445490	57.215	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	70979	61.250	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	298709	65.732	ug/l	99
94) Hexachlorobutadiene	13.725	225	129357	59.321	ug/l	95
95) Naphthalene	13.780	128	1043129	75.029	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	300947	64.275	ug/l	95

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

