

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028695.D
 Acq On : 13 May 2022 22:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:27:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	193911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	335133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134629	50.649	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.300%			
35) Dibromofluoromethane	5.391	113	109735	49.976	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.960%			
50) Toluene-d8	8.653	98	410371	49.572	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.140%			
62) 4-Bromofluorobenzene	11.079	95	150154	48.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	124686	49.107	ug/l	98
3) Chloromethane	1.288	50	115926	48.480	ug/l	99
4) Vinyl Chloride	1.374	62	129033	50.073	ug/l	97
5) Bromomethane	1.605	94	102621	57.103	ug/l	99
6) Chloroethane	1.679	64	85705	52.927	ug/l	99
7) Trichlorofluoromethane	1.886	101	200016	48.684	ug/l	96
8) Diethyl Ether	2.136	74	75751	50.601	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	102875	47.584	ug/l	95
10) Methyl Iodide	2.453	142	113306	43.775	ug/l	95
11) Tert butyl alcohol	2.989	59	139331	246.898	ug/l	99
12) 1,1-Dichloroethene	2.319	96	99003	49.332	ug/l	95
13) Acrolein	2.233	56	114484	262.403	ug/l	100
14) Allyl chloride	2.666	41	158936	49.378	ug/l	91
15) Acrylonitrile	3.062	53	331253	258.656	ug/l	99
16) Acetone	2.380	43	284486	249.378	ug/l	94
17) Carbon Disulfide	2.514	76	248344	47.737	ug/l	100
18) Methyl Acetate	2.703	43	147023	51.457	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	360891	50.674	ug/l	100
20) Methylene Chloride	2.788	84	114889	48.004	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	111795	49.455	ug/l	99
22) Diisopropyl ether	3.764	45	353032	51.324	ug/l	92
23) Vinyl Acetate	3.721	43	1558006	262.741	ug/l	95
24) 1,1-Dichloroethane	3.611	63	202512	50.643	ug/l	98
25) 2-Butanone	4.556	43	461697	257.837	ug/l	97
26) 2,2-Dichloropropane	4.477	77	133355	42.532	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	129891	49.197	ug/l	99
28) Bromochloromethane	4.898	49	85823	50.988	ug/l	92
29) Tetrahydrofuran	5.007	42	302310	259.728	ug/l	92
30) Chloroform	5.099	83	220518	50.954	ug/l	97
31) Cyclohexane	5.471	56	180907	49.032	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	189281	50.099	ug/l	98
36) 1,1-Dichloropropene	5.696	75	158216	47.974	ug/l	100
37) Ethyl Acetate	4.715	43	178460	51.808	ug/l	96
38) Carbon Tetrachloride	5.678	117	164508	49.566	ug/l	98
39) Methylcyclohexane	7.385	83	180664	47.768	ug/l	94
40) Benzene	6.044	78	468905	49.471	ug/l	99

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41) Methacrylonitrile	4.922	41	96110	52.037	ug/l	93
42) 1,2-Dichloroethane	6.092	62	173149	49.526	ug/l	99
43) Isopropyl Acetate	6.342	43	271786	50.433	ug/l	96
44) Trichloroethene	7.129	130	125134	48.679	ug/l	95
45) 1,2-Dichloropropane	7.434	63	118096	49.939	ug/l	98
46) Dibromomethane	7.586	93	87507	49.550	ug/l	92
47) Bromodichloromethane	7.824	83	165149	50.369	ug/l	97
48) Methyl methacrylate	7.696	41	134262	51.574	ug/l	87
49) 1,4-Dioxane	7.671	88	65127	1001.416	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	910956	256.630	ug/l	93
52) Toluene	8.720	92	300641	49.308	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	166898	44.410	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	184368	49.974	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	125359	50.421	ug/l	99
56) Ethyl methacrylate	9.116	69	190221	50.523	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	209645	49.994	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	450981	244.660	ug/l	99
59) 2-Hexanone	9.433	43	714068	258.922	ug/l	91
60) Dibromochloromethane	9.525	129	123121	50.777	ug/l	98
61) 1,2-Dibromoethane	9.610	107	130650	50.032	ug/l	99
64) Tetrachloroethene	9.275	164	112809	48.504	ug/l	94
65) Chlorobenzene	10.080	112	318034	48.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	118440	51.174	ug/l	98
67) Ethyl Benzene	10.195	91	579256	49.463	ug/l	100
68) m/p-Xylenes	10.305	106	450292	98.762	ug/l	99
69) o-Xylene	10.640	106	219938	48.996	ug/l	99
70) Styrene	10.659	104	368247	50.515	ug/l	98
71) Bromoform	10.799	173	85255	44.656	ug/l #	100
73) Isopropylbenzene	10.964	105	571531	48.372	ug/l	98
74) N-amyl acetate	10.848	43	239299	51.523	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	201371	49.680	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	179790m	49.275	ug/l	
77) Bromobenzene	11.201	156	134952	48.273	ug/l	95
78) n-propylbenzene	11.305	91	663562	48.552	ug/l	100
79) 2-Chlorotoluene	11.366	91	397616	47.467	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	486481	49.414	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	50667	42.089	ug/l #	84
82) 4-Chlorotoluene	11.457	91	465423	48.062	ug/l	100
83) tert-Butylbenzene	11.713	119	466431	48.933	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	486171	49.245	ug/l	100
85) sec-Butylbenzene	11.890	105	571476	48.604	ug/l	99
86) p-Isopropyltoluene	12.012	119	480041	48.655	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	262211	47.819	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	263025	46.245	ug/l	98
89) n-Butylbenzene	12.335	91	407044	47.615	ug/l	98
90) Hexachloroethane	12.542	117	77017	48.271	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	265489	49.286	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44797	51.759	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	154875	49.780	ug/l	98
94) Hexachlorobutadiene	13.725	225	59686	47.222	ug/l	93
95) Naphthalene	13.774	128	584072	52.756	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152314	48.744	ug/l	96

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

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