

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028231.D
 Acq On : 21 Apr 2022 11:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2022
 Supervised By : Semsettin Yesilyurt 04/22/2022

Quant Time: Apr 21 16:39:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	295100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	464431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	450260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	261706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	180641	46.947	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.900%		
35) Dibromofluoromethane	5.385	113	162787	49.980	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.960%		
50) Toluene-d8	8.647	98	621192	49.657	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.320%		
62) 4-Bromofluorobenzene	11.079	95	239956	50.167	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	112741	59.183	ug/l	100
3) Chloromethane	1.288	50	108098	56.606	ug/l	100
4) Vinyl Chloride	1.374	62	144738	48.652	ug/l	99
5) Bromomethane	1.599	94	133416	50.400	ug/l	100
6) Chloroethane	1.679	64	106251	49.870	ug/l	99
7) Trichlorofluoromethane	1.886	101	291209	44.390	ug/l	94
8) Diethyl Ether	2.130	74	100638	51.130	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.325	101	137703	57.623	ug/l	97
10) Methyl Iodide	2.453	142	170812	52.029	ug/l	95
11) Tert butyl alcohol	2.959	59	164887	222.680	ug/l	99
12) 1,1-Dichloroethene	2.319	96	128775	56.781	ug/l	92
13) Acrolein	2.233	56	128430	272.349	ug/l	97
14) Allyl chloride	2.660	41	182193	47.876	ug/l	92
15) Acrylonitrile	3.062	53	373932	238.472	ug/l	99
16) Acetone	2.374	43	306301	260.691	ug/l	97
17) Carbon Disulfide	2.508	76	301143	49.308	ug/l	99
18) Methyl Acetate	2.697	43	162063	47.371	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	469198	49.613	ug/l	96
20) Methylene Chloride	2.788	84	149949	52.522	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	151149	49.006	ug/l	94
22) Diisopropyl ether	3.757	45	407895	47.060	ug/l #	86
23) Vinyl Acetate	3.721	43	1785146	235.745	ug/l	99
24) 1,1-Dichloroethane	3.605	63	250888	49.022	ug/l	99
25) 2-Butanone	4.550	43	504122	221.224	ug/l	100
26) 2,2-Dichloropropane	4.477	77	220903	44.208	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	179531	48.817	ug/l	92
28) Bromochloromethane	4.891	49	99665	45.390	ug/l	86
29) Tetrahydrofuran	5.001	42	326489	219.731	ug/l	99
30) Chloroform	5.093	83	296900	48.306	ug/l	100
31) Cyclohexane	5.471	56	221322	47.212	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	268498	48.243	ug/l	98
36) 1,1-Dichloropropene	5.690	75	209209	49.243	ug/l	98
37) Ethyl Acetate	4.708	43	198264	45.992	ug/l	99
38) Carbon Tetrachloride	5.678	117	240695	50.186	ug/l	98
39) Methylcyclohexane	7.379	83	267021	49.812	ug/l	94
40) Benzene	6.037	78	617113	49.622	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	100878	45.356	ug/l	95
42) 1,2-Dichloroethane	6.086	62	219215	47.486	ug/l	100
43) Isopropyl Acetate	6.336	43	316728	45.144	ug/l	98
44) Trichloroethene	7.123	130	185223	51.360	ug/l	98
45) 1,2-Dichloropropane	7.434	63	147155	48.342	ug/l	98
46) Dibromomethane	7.580	93	118598	49.666	ug/l	98
47) Bromodichloromethane	7.824	83	224731	48.967	ug/l	97
48) Methyl methacrylate	7.690	41	151196	46.939	ug/l	92
49) 1,4-Dioxane	7.659	88	79623	924.010	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	1045244	232.162	ug/l	97
52) Toluene	8.720	92	427581	49.489	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	234589	48.095	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	253217	48.344	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	176577	50.300	ug/l	98
56) Ethyl methacrylate	9.116	69	251214	49.368	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	276594	48.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	592670	248.234	ug/l	92
59) 2-Hexanone	9.433	43	822725	235.907	ug/l	96
60) Dibromochloromethane	9.525	129	190087	49.670	ug/l	97
61) 1,2-Dibromoethane	9.610	107	193749	50.309	ug/l	98
64) Tetrachloroethene	9.275	164	186620	53.063	ug/l	98
65) Chlorobenzene	10.079	112	485955	50.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	181344	50.710	ug/l	99
67) Ethyl Benzene	10.195	91	830114	51.568	ug/l	96
68) m/p-Xylenes	10.305	106	689324	105.216	ug/l	95
69) o-Xylene	10.640	106	338353	51.800	ug/l	96
70) Styrene	10.659	104	563130	53.215	ug/l	99
71) Bromoform	10.799	173	145916	44.631	ug/l	98
73) Isopropylbenzene	10.963	105	889473	49.448	ug/l	99
74) N-amyl acetate	10.842	43	291139	46.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	277903	47.609	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	249628m	48.466	ug/l	
77) Bromobenzene	11.201	156	229389	48.965	ug/l	90
78) n-propylbenzene	11.305	91	1008654	50.569	ug/l	96
79) 2-Chlorotoluene	11.366	91	602055	48.550	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	771074	50.499	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	78865	45.503	ug/l	92
82) 4-Chlorotoluene	11.457	91	706825	49.482	ug/l	94
83) tert-Butylbenzene	11.713	119	784864	50.338	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	777374	51.216	ug/l	97
85) sec-Butylbenzene	11.890	105	970367	51.586	ug/l	97
86) p-Isopropyltoluene	12.012	119	847888	52.248	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	454706	51.656	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	464915	50.302	ug/l	99
89) n-Butylbenzene	12.335	91	695478	52.193	ug/l	98
90) Hexachloroethane	12.542	117	136288	46.795	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	449252	51.375	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	59171	45.581	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	278598	53.566	ug/l	99
94) Hexachlorobutadiene	13.725	225	115292	49.677	ug/l	94
95) Naphthalene	13.774	128	912111	52.645	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	272969	53.469	ug/l	97

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

