

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028630.D
 Acq On : 11 May 2022 19:19
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV050

Quant Time: May 12 06:08:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 06:06:48 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2022
 Supervised By : Mahesh Dadoda 05/13/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	346078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	542532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	505469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	273098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	181402	47.502	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.000%		
35) Dibromofluoromethane	5.391	113	165931	48.611	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.220%		
50) Toluene-d8	8.653	98	620777	48.988	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.085	95	228020	48.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	100990	51.440	ug/l	99
3) Chloromethane	1.288	50	82259	52.408	ug/l	100
4) Vinyl Chloride	1.374	62	104827	51.197	ug/l	100
5) Bromomethane	1.599	94	88460	56.163	ug/l	97
6) Chloroethane	1.679	64	81731	51.784	ug/l	96
7) Trichlorofluoromethane	1.886	101	224440	51.481	ug/l	95
8) Diethyl Ether	2.130	74	93196	48.036	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	131004	51.721	ug/l	98
10) Methyl Iodide	2.453	142	133358	44.127	ug/l	99
11) Tert butyl alcohol	2.971	59	203349	267.761	ug/l	100
12) 1,1-Dichloroethene	2.319	96	109153	51.712	ug/l	98
13) Acrolein	2.233	56	159308	245.432	ug/l	99
14) Allyl chloride	2.660	41	164255	47.372	ug/l	99
15) Acrylonitrile	3.062	53	425949	260.211	ug/l	99
16) Acetone	2.380	43	346401	244.813	ug/l	98
17) Carbon Disulfide	2.508	76	132262	49.236	ug/l	98
18) Methyl Acetate	2.703	43	190584	49.846	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	480892	50.807	ug/l	99
20) Methylene Chloride	2.788	84	140937	52.284	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	121334	51.384	ug/l	99
22) Diisopropyl ether	3.764	45	418239	50.449	ug/l	98
23) Vinyl Acetate	3.721	43	1758759	258.540	ug/l	99
24) 1,1-Dichloroethane	3.611	63	245434	48.635	ug/l	99
25) 2-Butanone	4.556	43	572303	256.236	ug/l	100
26) 2,2-Dichloropropane	4.477	77	195427	49.871	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	171801	48.763	ug/l	99
28) Bromochloromethane	4.904	49	113248	49.276	ug/l	99
29) Tetrahydrofuran	5.007	42	352517	251.027	ug/l	99
30) Chloroform	5.099	83	288451	49.177	ug/l	99
31) Cyclohexane	5.477	56	152567	50.425	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	244282	49.460	ug/l	99
36) 1,1-Dichloropropene	5.696	75	173141	46.381	ug/l	99
37) Ethyl Acetate	4.715	43	211904	50.812	ug/l	99
38) Carbon Tetrachloride	5.678	117	209681	49.292	ug/l	96
39) Methylcyclohexane	7.385	83	176514	50.485	ug/l	98
40) Benzene	6.044	78	561182	48.338	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	110799	51.064	ug/l	99
42) 1,2-Dichloroethane	6.092	62	208145	48.907	ug/l	100
43) Isopropyl Acetate	6.342	43	336347	51.914	ug/l	99
44) Trichloroethene	7.129	130	169491	48.803	ug/l	97
45) 1,2-Dichloropropane	7.434	63	150468	50.252	ug/l	99
46) Dibromomethane	7.586	93	115095	50.103	ug/l	99
47) Bromodichloromethane	7.824	83	222678	51.815	ug/l	100
48) Methyl methacrylate	7.696	41	159522	52.110	ug/l	99
49) 1,4-Dioxane	7.659	88	97344	1062.615	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1161468	264.810	ug/l	100
52) Toluene	8.720	92	384841	48.756	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	230177	49.113	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	246100	53.374	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	182448	51.119	ug/l	99
56) Ethyl methacrylate	9.116	69	264067	54.426	ug/l	99
57) 1,3-Dichloropropane	9.311	76	280424	50.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	663522	259.173	ug/l	100
59) 2-Hexanone	9.433	43	922110	270.845	ug/l	99
60) Dibromochloromethane	9.525	129	190216	54.210	ug/l	99
61) 1,2-Dibromoethane	9.610	107	185928	51.376	ug/l	100
64) Tetrachloroethene	9.275	164	159009	47.287	ug/l	98
65) Chlorobenzene	10.079	112	464967	49.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	182743	53.891	ug/l	99
67) Ethyl Benzene	10.195	91	781897	50.989	ug/l	100
68) m/p-Xylenes	10.305	106	626343	101.815	ug/l	100
69) o-Xylene	10.646	106	316604	51.422	ug/l	100
70) Styrene	10.659	104	546478	53.873	ug/l	100
71) Bromoform	10.799	173	148740	48.209	ug/l	100
73) Isopropylbenzene	10.963	105	834123	50.440	ug/l	100
74) N-amyl acetate	10.848	43	313812	55.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	294884	49.967	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	261907m	51.782	ug/l	
77) Bromobenzene	11.201	156	223574	50.890	ug/l	99
78) n-propylbenzene	11.305	91	939585	51.690	ug/l	99
79) 2-Chlorotoluene	11.366	91	572789	49.635	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	711178	51.815	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	79609	48.603	ug/l	99
82) 4-Chlorotoluene	11.457	91	671970	51.576	ug/l	100
83) tert-Butylbenzene	11.719	119	734414	52.791	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	716545	52.253	ug/l	100
85) sec-Butylbenzene	11.890	105	857248	52.244	ug/l	100
86) p-Isopropyltoluene	12.012	119	747842	52.914	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	430384	51.604	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	435175	51.098	ug/l	99
89) n-Butylbenzene	12.335	91	607316	52.802	ug/l	100
90) Hexachloroethane	12.542	117	121468	53.404	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	434488	51.341	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62849	52.467	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	266115	52.958	ug/l	99
94) Hexachlorobutadiene	13.725	225	112678	51.771	ug/l	99
95) Naphthalene	13.774	128	920362	54.823	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	263381	51.620	ug/l	99

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

