

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042222\
 Data File : VX028299.D
 Acq On : 22 Apr 2022 23:46
 Operator : JC/MD
 Sample : VX0422WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 23 06:48:02 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	5.556	168	309366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	497222	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	457515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	240731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207797	51.514	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.020%			
35) Dibromofluoromethane	5.385	113	187852	53.872	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.740%			
50) Toluene-d8	8.653	98	688416	51.402	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.800%			
62) 4-Bromofluorobenzene	11.079	95	253435	49.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57222	28.654	ug/l	99
3) Chloromethane	1.288	50	53367	25.317	ug/l	99
4) Vinyl Chloride	1.374	62	64094	20.551	ug/l	100
5) Bromomethane	1.605	94	60333	16.176	ug/l	97
6) Chloroethane	1.685	64	43724	17.480	ug/l	98
7) Trichlorofluoromethane	1.886	101	118996	17.303	ug/l	98
8) Diethyl Ether	2.136	74	41867	18.285	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	60341	24.086	ug/l	97
10) Methyl Iodide	2.453	142	66341	22.571	ug/l	95
11) Tert butyl alcohol	2.965	59	76947	93.385	ug/l	98
12) 1,1-Dichloroethene	2.319	96	58197	24.478	ug/l	92
13) Acrolein	2.233	56	68791	139.151	ug/l	99
14) Allyl chloride	2.666	41	75043	18.810	ug/l	93
15) Acrylonitrile	3.062	53	158722	96.556	ug/l	99
16) Acetone	2.380	43	136602	110.093	ug/l	95
17) Carbon Disulfide	2.514	76	120086	18.756	ug/l	99
18) Methyl Acetate	2.703	43	71626	19.971	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	201286	20.302	ug/l	96
20) Methylene Chloride	2.788	84	65020	21.724	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	62823	19.429	ug/l	91
22) Diisopropyl ether	3.764	45	171475	18.871	ug/l #	89
23) Vinyl Acetate	3.721	43	744427	93.775	ug/l	100
24) 1,1-Dichloroethane	3.617	63	108184	20.164	ug/l	99
25) 2-Butanone	4.556	43	216221	90.509	ug/l	98
26) 2,2-Dichloropropane	4.477	77	78395	14.965	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	77241	20.034	ug/l	88
28) Bromochloromethane	4.897	49	45321	19.689	ug/l	84
29) Tetrahydrofuran	5.007	42	137383	88.197	ug/l	98
30) Chloroform	5.099	83	122288	18.979	ug/l	97
31) Cyclohexane	5.471	56	89807	18.274	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	109187	18.714	ug/l	98
36) 1,1-Dichloropropene	5.690	75	84953	18.677	ug/l	96
37) Ethyl Acetate	4.715	43	83176	18.022	ug/l	99
38) Carbon Tetrachloride	5.684	117	95572	18.613	ug/l	98
39) Methylcyclohexane	7.385	83	102796	17.912	ug/l	95
40) Benzene	6.038	78	258555	19.419	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	43992	18.475	ug/l	99
42) 1,2-Dichloroethane	6.092	62	91679	18.550	ug/l	99
43) Isopropyl Acetate	6.342	43	130927	17.431	ug/l	98
44) Trichloroethene	7.129	130	77588	20.095	ug/l	99
45) 1,2-Dichloropropane	7.434	63	61699	18.932	ug/l	99
46) Dibromomethane	7.586	93	49064	19.192	ug/l	98
47) Bromodichloromethane	7.824	83	88209	17.952	ug/l	97
48) Methyl methacrylate	7.696	41	62115	18.012	ug/l	93
49) 1,4-Dioxane	7.671	88	35620	386.103	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	432245	89.675	ug/l	97
52) Toluene	8.720	92	172604	18.660	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	85374	16.349	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	98707	17.602	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	71816	19.109	ug/l	97
56) Ethyl methacrylate	9.116	69	99804	18.320	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	114247	18.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	246864	96.578	ug/l	93
59) 2-Hexanone	9.433	43	332081	88.941	ug/l	96
60) Dibromochloromethane	9.525	129	70216	17.138	ug/l	97
61) 1,2-Dibromoethane	9.610	107	78410	19.017	ug/l	98
64) Tetrachloroethene	9.275	164	73594	20.594	ug/l	98
65) Chlorobenzene	10.079	112	195679	20.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	70689	19.454	ug/l	99
67) Ethyl Benzene	10.195	91	327186	20.003	ug/l	96
68) m/p-Xylenes	10.305	106	267961	40.252	ug/l	96
69) o-Xylene	10.646	106	132639	19.984	ug/l	95
70) Styrene	10.659	104	215503	20.042	ug/l	99
71) Bromoform	10.805	173	49629	17.318	ug/l #	99
73) Isopropylbenzene	10.963	105	343630	20.768	ug/l	99
74) N-amyl acetate	10.842	43	109896	19.216	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	108773	20.258	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	95937m	20.250	ug/l	
77) Bromobenzene	11.201	156	87716	20.355	ug/l	90
78) n-propylbenzene	11.305	91	378424	20.625	ug/l	96
79) 2-Chlorotoluene	11.366	91	230194	20.180	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	292709	20.840	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23082	14.478	ug/l #	81
82) 4-Chlorotoluene	11.457	91	265678	20.219	ug/l	96
83) tert-Butylbenzene	11.713	119	295271	20.588	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	289501	20.735	ug/l	97
85) sec-Butylbenzene	11.890	105	353193	20.412	ug/l	98
86) p-Isopropyltoluene	12.012	119	303853	20.355	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	166344	20.544	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	169695	19.960	ug/l	99
89) n-Butylbenzene	12.335	91	238294	19.441	ug/l	97
90) Hexachloroethane	12.542	117	44059	17.622	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	171360	21.304	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22378	18.740	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	103478	21.629	ug/l	99
94) Hexachlorobutadiene	13.725	225	40243	18.851	ug/l	97
95) Naphthalene	13.780	128	361323	22.672	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106119	22.598	ug/l	96

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

