

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028234.D
 Acq On : 21 Apr 2022 12:27
 Operator : JC/MD
 Sample : VX0421WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 16:41:11 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	287196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	457835	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	432405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	237212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191498	51.138	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.280%			
35) Dibromofluoromethane	5.385	113	167836	52.273	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.540%			
50) Toluene-d8	8.646	98	633312	51.356	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.720%			
62) 4-Bromofluorobenzene	11.079	95	233992	49.625	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47033	25.370	ug/l	98
3) Chloromethane	1.294	50	47591	24.219	ug/l	97
4) Vinyl Chloride	1.373	62	61741	21.325	ug/l	97
5) Bromomethane	1.599	94	52044	14.338	ug/l	95
6) Chloroethane	1.684	64	44365	19.427	ug/l	100
7) Trichlorofluoromethane	1.886	101	121908	19.094	ug/l	96
8) Diethyl Ether	2.129	74	41562	19.783	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	57133	24.566	ug/l	99
10) Methyl Iodide	2.452	142	64496	23.389	ug/l	96
11) Tert butyl alcohol	2.952	59	73573	96.493	ug/l	99
12) 1,1-Dichloroethene	2.318	96	52394	23.738	ug/l	94
13) Acrolein	2.233	56	44506	96.977	ug/l	99
14) Allyl chloride	2.666	41	73324	19.798	ug/l	93
15) Acrylonitrile	3.062	53	155406	101.837	ug/l	98
16) Acetone	2.373	43	133921	116.343	ug/l	95
17) Carbon Disulfide	2.513	76	116149	19.541	ug/l	97
18) Methyl Acetate	2.702	43	68250	20.499	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	188648	20.496	ug/l	99
20) Methylene Chloride	2.788	84	61465	22.122	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	60971	20.312	ug/l	96
22) Diisopropyl ether	3.757	45	164062	19.449	ug/l #	81
23) Vinyl Acetate	3.721	43	712214	96.643	ug/l	99
24) 1,1-Dichloroethane	3.611	63	102274	20.534	ug/l	97
25) 2-Butanone	4.550	43	209687	94.549	ug/l	100
26) 2,2-Dichloropropane	4.476	77	89581	18.421	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	71507	19.979	ug/l	94
28) Bromochloromethane	4.897	49	42589	19.930	ug/l	87
29) Tetrahydrofuran	5.001	42	136702	94.534	ug/l	100
30) Chloroform	5.092	83	117637	19.667	ug/l	98
31) Cyclohexane	5.470	56	89147	19.540	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	106764	19.711	ug/l	99
36) 1,1-Dichloropropene	5.696	75	84043	20.067	ug/l	98
37) Ethyl Acetate	4.714	43	79162	18.628	ug/l	100
38) Carbon Tetrachloride	5.678	117	92970	19.664	ug/l	98
39) Methylcyclohexane	7.378	83	105132	19.895	ug/l	96
40) Benzene	6.043	78	249050	20.315	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	42082	19.193	ug/l	97
42) 1,2-Dichloroethane	6.086	62	91601	20.128	ug/l	99
43) Isopropyl Acetate	6.342	43	125076	18.084	ug/l	98
44) Trichloroethene	7.128	130	74359	20.916	ug/l	95
45) 1,2-Dichloropropane	7.427	63	58760	19.581	ug/l	97
46) Dibromomethane	7.580	93	46753	19.861	ug/l	97
47) Bromodichloromethane	7.823	83	86673	19.157	ug/l	96
48) Methyl methacrylate	7.695	41	60592	19.082	ug/l	91
49) 1,4-Dioxane	7.659	88	33233	391.219	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	421886	95.056	ug/l	97
52) Toluene	8.720	92	170346	20.000	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	87209	18.137	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	98325	19.043	ug/l	93
55) 1,1,2-Trichloroethane	9.152	97	69191	19.994	ug/l	98
56) Ethyl methacrylate	9.116	69	96345	19.206	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	110965	19.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	211548	89.881	ug/l	92
59) 2-Hexanone	9.433	43	329200	95.754	ug/l	95
60) Dibromochloromethane	9.524	129	70353	18.648	ug/l	95
61) 1,2-Dibromoethane	9.610	107	74893	19.727	ug/l	97
64) Tetrachloroethene	9.274	164	71317	21.115	ug/l	98
65) Chlorobenzene	10.079	112	192404	20.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	68441	19.929	ug/l	99
67) Ethyl Benzene	10.195	91	322227	20.844	ug/l	96
68) m/p-Xylenes	10.305	106	262761	41.763	ug/l	97
69) o-Xylene	10.646	106	129284	20.610	ug/l	96
70) Styrene	10.658	104	212242	20.885	ug/l	98
71) Bromoform	10.799	173	50311	18.316	ug/l	99
73) Isopropylbenzene	10.963	105	338307	20.749	ug/l	100
74) N-amyl acetate	10.847	43	106521	18.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	107933	20.400	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	96327m	20.633	ug/l	
77) Bromobenzene	11.201	156	84374	19.870	ug/l	92
78) n-propylbenzene	11.305	91	379553	20.994	ug/l	97
79) 2-Chlorotoluene	11.366	91	230938	20.546	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	288994	20.881	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	25700	16.359	ug/l #	85
82) 4-Chlorotoluene	11.457	91	265728	20.523	ug/l	96
83) tert-Butylbenzene	11.719	119	291671	20.638	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	291575	21.194	ug/l	98
85) sec-Butylbenzene	11.890	105	362077	21.236	ug/l	97
86) p-Isopropyltoluene	12.012	119	310852	21.133	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	164617	20.632	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	169564	20.240	ug/l	99
89) n-Butylbenzene	12.335	91	251329	20.809	ug/l	98
90) Hexachloroethane	12.542	117	46994	18.926	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	164005	20.692	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21428	18.211	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	99332	21.071	ug/l	99
94) Hexachlorobutadiene	13.725	225	42275	20.096	ug/l	94
95) Naphthalene	13.780	128	336674	21.438	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	96841	20.928	ug/l	97

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

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