

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022330.D
 Acq On : 02 Jun 2021 11:50
 Operator : JC/MD
 Sample : VX0602WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBS01

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:44:53 PM

Quant Time: Jun 03 02:17:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	88301	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	182330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74211	54.483	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.960%			
35) Dibromofluoromethane	5.391	113	56393	48.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.540%			
50) Toluene-d8	8.652	98	214895	48.248	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.085	95	79413	48.238	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	23825	22.194	ug/l	100
3) Chloromethane	1.294	50	25935	22.398	ug/l	97
4) Vinyl Chloride	1.373	62	26991	22.028	ug/l	99
5) Bromomethane	1.599	94	18412	25.775	ug/l	92
6) Chloroethane	1.684	64	16227	22.242	ug/l	96
7) Trichlorofluoromethane	1.885	101	37501	21.287	ug/l	95
8) Diethyl Ether	2.135	74	16180	21.356	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.330	101	22820	21.814	ug/l	90
10) Methyl Iodide	2.452	142	24037	21.381	ug/l	95
11) Tert butyl alcohol	2.977	59	35401	113.632	ug/l	98
12) 1,1-Dichloroethene	2.318	96	23546	23.266	ug/l	94
13) Acrolein	2.239	56	22140	107.151	ug/l	100
14) Allyl chloride	2.666	41	42208	22.708	ug/l	97
15) Acrylonitrile	3.068	53	72811	118.713	ug/l	98
16) Acetone	2.385	43	67694	114.136	ug/l	95
17) Carbon Disulfide	2.513	76	55176	20.816	ug/l	99
18) Methyl Acetate	2.708	43	35453	22.476	ug/l	93
19) Methyl tert-butyl Ether	3.123	73	77036	22.221	ug/l	97
20) Methylene Chloride	2.794	84	28261	21.461	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	25771	23.411	ug/l	98
22) Diisopropyl ether	3.775	45	82049	22.918	ug/l	90
23) Vinyl Acetate	3.727	43	401356	116.436	ug/l	95
24) 1,1-Dichloroethane	3.617	63	48349	23.013	ug/l	97
25) 2-Butanone	4.568	43	115613	120.491	ug/l	98
26) 2,2-Dichloropropane	4.482	77	39747	21.312	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	30328	22.655	ug/l	99
28) Bromochloromethane	4.909	49	23620	23.175	ug/l	83
29) Tetrahydrofuran	5.019	42	66893	117.131	ug/l	92
30) Chloroform	5.104	83	48782	22.472	ug/l	89
31) Cyclohexane	5.476	56	40147	23.455	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	40522	21.846	ug/l	98
36) 1,1-Dichloropropene	5.702	75	35781	21.222	ug/l	99
37) Ethyl Acetate	4.726	43	44415	21.490	ug/l	94
38) Carbon Tetrachloride	5.684	117	32341	19.609	ug/l	98
39) Methylcyclohexane	7.384	83	40951	21.416	ug/l	96
40) Benzene	6.043	78	111967	21.584	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	23214	20.995	ug/l	93
42) 1,2-Dichloroethane	6.098	62	39367	21.661	ug/l	100
43) Isopropyl Acetate	6.348	43	73383	21.707	ug/l	93
44) Trichloroethene	7.134	130	27771	21.543	ug/l	97
45) 1,2-Dichloropropane	7.439	63	28814	21.774	ug/l	96
46) Dibromomethane	7.592	93	18920	21.074	ug/l #	87
47) Bromodichloromethane	7.829	83	35405	19.708	ug/l	99
48) Methyl methacrylate	7.695	41	34018	21.835	ug/l	91
49) 1,4-Dioxane	7.665	88	13067	430.785	ug/l	92
51) 4-Methyl-2-Pentanone	8.579	43	230909	114.029	ug/l	91
52) Toluene	8.720	92	68341	20.803	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	41741	20.128	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	44897	20.138	ug/l	92
55) 1,1,2-Trichloroethane	9.159	97	28481	21.356	ug/l	98
56) Ethyl methacrylate	9.122	69	44958	20.858	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	49602	21.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	112225	96.268	ug/l	97
59) 2-Hexanone	9.433	43	172565	113.305	ug/l	91
60) Dibromochloromethane	9.524	129	23273	17.937	ug/l	97
61) 1,2-Dibromoethane	9.616	107	28837	21.717	ug/l	95
64) Tetrachloroethene	9.274	164	22863	21.772	ug/l	89
65) Chlorobenzene	10.085	112	71491	21.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	23549	20.354	ug/l	97
67) Ethyl Benzene	10.195	91	131961	21.544	ug/l	100
68) m/p-Xylenes	10.305	106	96467	41.673	ug/l	95
69) o-Xylene	10.646	106	47712	21.192	ug/l	99
70) Styrene	10.658	104	78423	21.263	ug/l	99
71) Bromoform	10.805	173	14011	16.768	ug/l #	100
73) Isopropylbenzene	10.963	105	124615	21.783	ug/l	99
74) N-amyl acetate	10.847	43	61515	22.655	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	42722	22.531	ug/l	99
76) 1,2,3-Trichloropropane	11.243	75	38565m	23.128	ug/l	
77) Bromobenzene	11.201	156	26338	21.714	ug/l	87
78) n-propylbenzene	11.304	91	147446	22.005	ug/l	98
79) 2-Chlorotoluene	11.365	91	85379	21.008	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	105234	22.195	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	12969	18.428	ug/l	92
82) 4-Chlorotoluene	11.457	91	99657	21.284	ug/l	95
83) tert-Butylbenzene	11.719	119	95271	20.952	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	103665	21.722	ug/l	99
85) sec-Butylbenzene	11.896	105	124510	21.547	ug/l	98
86) p-Isopropyltoluene	12.012	119	101774	20.853	ug/l	96
87) 1,3-Dichlorobenzene	11.975	146	47793	20.436	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	49838	20.617	ug/l	96
89) n-Butylbenzene	12.335	91	94337	20.896	ug/l	97
90) Hexachloroethane	12.542	117	14589	18.087	ug/l	74
91) 1,2-Dichlorobenzene	12.335	146	46803	20.835	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8067	19.882	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	26302	19.404	ug/l	98
94) Hexachlorobutadiene	13.725	225	9955	18.816	ug/l	95
95) Naphthalene	13.780	128	113668	21.503	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28136	20.592	ug/l	96

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

