

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021238.D
 Acq On : 16 Mar 2021 11:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 4:23:39 PM

Quant Time: Mar 16 12:22:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 12:20:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	86824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	144389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	126735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	58712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	7565	5.15	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.30%#		
35) Dibromofluoromethane	5.470	113	5123	5.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.34%#		
50) Toluene-d8	8.694	98	18756	5.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.52%#		
62) 4-Bromofluorobenzene	11.124	95	6735	4.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.86%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	5620	5.07	ug/l	96
3) Chloromethane	1.317	50	11098	9.21	ug/l	98
4) Vinyl Chloride	1.393	62	5584	5.04	ug/l	98
5) Bromomethane	1.623	94	2620	4.27	ug/l	99
6) Chloroethane	1.705	64	3666	5.55	ug/l	96
7) Trichlorofluoromethane	1.911	101	8417	4.87	ug/l	100
8) Diethyl Ether	2.170	74	2858	4.88	ug/l	69
9) 1,1,2-Trichlorotrifluo...	2.364	101	4840	5.15	ug/l	94
10) Methyl Iodide	2.487	142	3764	3.23	ug/l #	87
11) Tert butyl alcohol	3.023	59	6121	23.92	ug/l	96
12) 1,1-Dichloroethene	2.358	96	4693	5.04	ug/l	91
13) Acrolein	2.281	56	4821	30.75	ug/l	99
14) Allyl chloride	2.705	41	9481	4.67	ug/l	89
15) Acrylonitrile	3.117	53	14598	25.63	ug/l	98
16) Acetone	2.429	43	13827	23.47	ug/l #	84
17) Carbon Disulfide	2.552	76	13177	4.81	ug/l	98
18) Methyl Acetate	2.752	43	7127	4.93	ug/l #	89
19) Methyl tert-butyl Ether	3.176	73	17323	4.89	ug/l	98
20) Methylene Chloride	2.834	84	5424	4.82	ug/l #	78
21) trans-1,2-Dichloroethene	3.146	96	4827	4.72	ug/l	90
22) Diisopropyl ether	3.829	45	18186	4.89	ug/l #	89
23) Vinyl Acetate	3.788	43	77437	23.76	ug/l	94
24) 1,1-Dichloroethane	3.676	63	9926	4.96	ug/l	96
25) 2-Butanone	4.646	43	20833	24.37	ug/l #	84
26) 2,2-Dichloropropane	4.558	77	8548	4.71	ug/l	94
27) cis-1,2-Dichloroethene	4.564	96	5779	4.93	ug/l	86
28) Bromochloromethane	4.982	49	4706	4.76	ug/l #	84
29) Tetrahydrofuran	5.099	42	13778	24.95	ug/l #	86
30) Chloroform	5.176	83	10357	4.96	ug/l	95
31) Cyclohexane	5.553	56	8872	4.76	ug/l	99
32) 1,1,1-Trichloroethane	5.458	97	9064	4.91	ug/l	94
36) 1,1-Dichloropropene	5.770	75	7425	4.93	ug/l	98
37) Ethyl Acetate	4.799	43	8243	4.93	ug/l #	94
38) Carbon Tetrachloride	5.758	117	7695	4.65	ug/l	97
39) Methylcyclohexane	7.441	83	8373	4.94	ug/l #	87
40) Benzene	6.117	78	21309	5.04	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	4994	5.21	ug/l #	85
42) 1,2-Dichloroethane	6.164	62	9261	5.17	ug/l	93
43) Isopropyl Acetate	6.411	43	14268	5.10	ug/l #	91
44) Trichloroethene	7.188	130	5663	5.08	ug/l	93
45) 1,2-Dichloropropane	7.488	63	5578	4.89	ug/l	100
46) Dibromomethane	7.635	93	4177	5.24	ug/l	89
47) Bromodichloromethane	7.876	83	8184	4.90	ug/l	100
48) Methyl methacrylate	7.747	41	7676	5.31	ug/l #	80
49) 1,4-Dioxane	7.717	88	3463	142.39	ug/l #	78
51) 4-Methyl-2-Pentanone	8.623	43	42077	26.26	ug/l #	86
52) Toluene	8.765	92	12881	5.04	ug/l	100
53) t-1,3-Dichloropropene	9.024	75	8117	4.70	ug/l	96
54) cis-1,3-Dichloropropene	8.412	75	8897	4.81	ug/l #	80
55) 1,1,2-Trichloroethane	9.194	97	5270	4.99	ug/l	95
56) Ethyl methacrylate	9.159	69	8376	5.10	ug/l #	70
57) 1,3-Dichloropropane	9.353	76	9017	4.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.288	63	21719	26.37	ug/l	95
59) 2-Hexanone	9.471	43	30918	25.57	ug/l	85
60) Dibromochloromethane	9.565	129	5649	4.69	ug/l	97
61) 1,2-Dibromoethane	9.653	107	5710	5.16	ug/l	98
64) Tetrachloroethene	9.318	164	5166	4.84	ug/l	89
65) Chlorobenzene	10.124	112	13784	5.27	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.206	131	5105	4.94	ug/l	95
67) Ethyl Benzene	10.235	91	25301	5.21	ug/l	97
68) m/p-Xylenes	10.341	106	17733	10.16	ug/l	91
69) o-Xylene	10.683	106	8800	5.22	ug/l	95
70) Styrene	10.694	104	14072	4.92	ug/l	93
71) Bromoform	10.841	173	3848	4.77	ug/l #	100
73) Isopropylbenzene	11.000	105	23548	5.19	ug/l	99
74) N-amyl acetate	10.877	43	11697	5.36	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.253	83	7936	5.60	ug/l	97
76) 1,2,3-Trichloropropane	11.277	75	7120m	4.91	ug/l	
77) Bromobenzene	11.236	156	5614	5.19	ug/l	92
78) n-propylbenzene	11.341	91	26777	5.12	ug/l	98
79) 2-Chlorotoluene	11.406	91	16782	5.30	ug/l	96
80) 1,3,5-Trimethylbenzene	11.489	105	19520	5.11	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.059	75	2360	4.59	ug/l #	74
82) 4-Chlorotoluene	11.494	91	19421	5.23	ug/l	95
83) tert-Butylbenzene	11.753	119	18654	5.33	ug/l	88
84) 1,2,4-Trimethylbenzene	11.789	105	20034	5.22	ug/l	96
85) sec-Butylbenzene	11.930	105	21956	5.19	ug/l	96
86) p-Isopropyltoluene	12.047	119	19444	5.00	ug/l	94
87) 1,3-Dichlorobenzene	12.006	146	9759	5.17	ug/l	98
88) 1,4-Dichlorobenzene	12.077	146	9843	5.06	ug/l	90
89) n-Butylbenzene	12.371	91	17239	4.84	ug/l	97
90) Hexachloroethane	12.577	117	2398	3.44	ug/l	87
91) 1,2-Dichlorobenzene	12.377	146	9513	5.12	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.983	75	2068	5.67	ug/l	77
93) 1,2,4-Trichlorobenzene	13.624	180	5787	4.84	ug/l	96
94) Hexachlorobutadiene	13.765	225	2707	5.23	ug/l	97
95) Naphthalene	13.818	128	20761	5.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	5887	4.97	ug/l	92

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

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