

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011121\
 Data File : VX020547.D
 Acq On : 11 Jan 2021 13:03
 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
 1/12/2021 10:54:04 AM

Quant Time: Jan 11 14:19:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 14:17:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	178538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	274616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	240517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	114657	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	12098	5.26	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.52%#		
35) Dibromofluoromethane	5.464	113	10587	5.98	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.96%#		
50) Toluene-d8	8.695	98	36276	5.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.72%#		
62) 4-Bromofluorobenzene	11.116	95	12025	4.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.58%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	8065	4.15	ug/l	96
3) Chloromethane	1.313	50	7532	3.49	ug/l	94
4) Vinyl Chloride	1.392	62	8921	3.73	ug/l	98
5) Bromomethane	1.636	94	6902	7.71	ug/l	96
6) Chloroethane	1.709	64	5848	3.98	ug/l	94
7) Trichlorofluoromethane	1.916	101	15462	4.85	ug/l	97
8) Diethyl Ether	2.166	74	5651	4.32	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.361	101	8989	4.98	ug/l	97
10) Methyl Iodide	2.489	142	10509	4.64	ug/l	99
11) Tert butyl alcohol	3.026	59	13832m	27.03	ug/l	
12) 1,1-Dichloroethene	2.355	96	8230	4.51	ug/l	97
13) Acrolein	2.276	56	7821	23.93	ug/l	99
14) Allyl chloride	2.703	41	11499	3.73	ug/l	97
15) Acrylonitrile	3.117	53	22378	19.16	ug/l	99
16) Acetone	2.422	43	21393	20.72	ug/l	98
17) Carbon Disulfide	2.550	76	20465	3.83	ug/l	100
18) Methyl Acetate	2.751	43	9512	4.11	ug/l	100
19) Methyl tert-butyl Ether	3.166	73	26573	4.07	ug/l	98
20) Methylene Chloride	2.831	84	10317	4.36	ug/l	92
21) trans-1,2-Dichloroethene	3.142	96	9194	4.24	ug/l	96
22) Diisopropyl ether	3.824	45	23024	3.69	ug/l	98
23) Vinyl Acetate	3.782	43	94523	17.85	ug/l	94
24) 1,1-Dichloroethane	3.666	63	16133	4.30	ug/l	99
25) 2-Butanone	4.635	43	28729	19.15	ug/l	96
26) 2,2-Dichloropropane	4.544	77	14736	4.65	ug/l	100
27) cis-1,2-Dichloroethene	4.556	96	10557	4.36	ug/l	93
28) Bromochloromethane	4.983	49	7049	4.28	ug/l	89
29) Tetrahydrofuran	5.092	42	16986	18.03	ug/l	96
30) Chloroform	5.172	83	18118	4.70	ug/l	97
31) Cyclohexane	5.550	56	10900	3.39	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	16137	4.89	ug/l	98
36) 1,1-Dichloropropene	5.763	75	11899	4.36	ug/l	100
37) Ethyl Acetate	4.794	43	10808	3.97	ug/l	99
38) Carbon Tetrachloride	5.745	117	14534	5.43	ug/l	91
39) Methylcyclohexane	7.440	83	12506	3.93	ug/l	95
40) Benzene	6.111	78	36626	4.38	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.007	41	5640	3.90	ug/l	95
42) 1,2-Dichloroethane	6.153	62	13587	4.76	ug/l	100
43) Isopropyl Acetate	6.409	43	16758	3.91	ug/l	97
44) Trichloroethene	7.183	130	10968	4.95	ug/l	92
45) 1,2-Dichloropropane	7.488	63	9372	4.49	ug/l	98
46) Dibromomethane	7.635	93	6855	4.73	ug/l	96
47) Bromodichloromethane	7.872	83	14689	5.27	ug/l	100
48) Methyl methacrylate	7.744	41	7745	3.69	ug/l	97
49) 1,4-Dioxane	7.738	88	4067	81.59	ug/l	97
51) 4-Methyl-2-Pentanone	8.616	43	54551	20.51	ug/l	99
52) Toluene	8.762	92	23749	4.63	ug/l	98
53) t-1,3-Dichloropropene	9.019	75	13513	4.47	ug/l	98
54) cis-1,3-Dichloropropene	8.409	75	14570	4.40	ug/l	98
55) 1,1,2-Trichloroethane	9.195	97	10451	4.96	ug/l	96
56) Ethyl methacrylate	9.159	69	11545	3.82	ug/l	96
57) 1,3-Dichloropropane	9.348	76	17120	4.82	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.287	63	28758	18.08	ug/l	96
59) 2-Hexanone	9.470	43	38146	18.82	ug/l	100
60) Dibromochloromethane	9.561	129	10618	4.99	ug/l	98
61) 1,2-Dibromoethane	9.653	107	10312	4.68	ug/l	99
64) Tetrachloroethene	9.317	164	11613	6.15	ug/l	96
65) Chlorobenzene	10.116	112	24670	4.79	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.201	131	9929	5.38	ug/l	99
67) Ethyl Benzene	10.232	91	40022	4.50	ug/l	99
68) m/p-Xylenes	10.341	106	30047	8.95	ug/l	100
69) o-Xylene	10.683	106	14796	4.63	ug/l	100
70) Styrene	10.695	104	24226	4.49	ug/l	99
71) Bromoform	10.835	173	8118	5.55	ug/l #	99
73) Isopropylbenzene	11.000	105	38361	4.64	ug/l	100
74) N-amyl acetate	10.878	43	11574	3.58	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.250	83	13698	4.69	ug/l	97
76) 1,2,3-Trichloropropane	11.280	75	13197m	4.77	ug/l	
77) Bromobenzene	11.238	156	11342	5.20	ug/l	93
78) n-propylbenzene	11.341	91	41053	4.32	ug/l	100
79) 2-Chlorotoluene	11.402	91	27800	4.74	ug/l	100
80) 1,3,5-Trimethylbenzene	11.488	105	33206	4.75	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.055	75	4357	4.69	ug/l	99
82) 4-Chlorotoluene	11.494	91	32934	4.80	ug/l	100
83) tert-Butylbenzene	11.750	119	28931	4.30	ug/l	100
84) 1,2,4-Trimethylbenzene	11.786	105	29153	4.12	ug/l	99
85) sec-Butylbenzene	11.927	105	32608	4.17	ug/l	99
86) p-Isopropyltoluene	12.048	119	29812	4.13	ug/l	97
87) 1,3-Dichlorobenzene	12.006	146	18624	4.77	ug/l	99
88) 1,4-Dichlorobenzene	12.079	146	19162	4.72	ug/l	96
89) n-Butylbenzene	12.372	91	25068	3.98	ug/l	98
90) Hexachloroethane	12.579	117	5856	4.69	ug/l	86
91) 1,2-Dichlorobenzene	12.372	146	18186	4.70	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.981	75	2739	4.45	ug/l	91
93) 1,2,4-Trichlorobenzene	13.627	180	10779	4.27	ug/l	99
94) Hexachlorobutadiene	13.762	225	6942	5.90	ug/l	95
95) Naphthalene	13.816	128	28558	3.63	ug/l	100
96) 1,2,3-Trichlorobenzene	13.999	180	11047	4.41	ug/l	99

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

