

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021189.D
 Acq On : 15 Mar 2021 10:17
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/16/2021 4:36:47 PM

Quant Time: Mar 15 11:36:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:34:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	87575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	150249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	132072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	61843	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	27345	23.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	46.24%#		
35) Dibromofluoromethane	5.464	113	18538	20.31	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	40.62%#		
50) Toluene-d8	8.694	98	66647	18.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	37.44%#		
62) 4-Bromofluorobenzene	11.118	95	24798	18.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	37.68%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	24417	25.79	ug/l	99
3) Chloromethane	1.316	50	24462	23.25	ug/l	96
4) Vinyl Chloride	1.393	62	24856	20.52	ug/l	96
5) Bromomethane	1.622	94	15109	34.67	ug/l	100
6) Chloroethane	1.711	64	14136	18.65	ug/l	98
7) Trichlorofluoromethane	1.917	101	38601	25.24	ug/l	99
8) Diethyl Ether	2.170	74	13145	18.53	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.364	101	20813	22.09	ug/l	95
10) Methyl Iodide	2.493	142	25908	20.47	ug/l #	89
11) Tert butyl alcohol	3.017	59	28634	108.70	ug/l	96
12) 1,1-Dichloroethene	2.358	96	20188	20.59	ug/l	86
13) Acrolein	2.275	56	14190	86.99	ug/l	98
14) Allyl chloride	2.705	41	43455	27.13	ug/l #	89
15) Acrylonitrile	3.117	53	65070	115.77	ug/l	98
16) Acetone	2.422	43	65548	134.48	ug/l	89
17) Carbon Disulfide	2.552	76	60467	21.65	ug/l	99
18) Methyl Acetate	2.752	43	31206	27.07	ug/l #	89
19) Methyl tert-butyl Ether	3.170	73	79156	22.61	ug/l	98
20) Methylene Chloride	2.834	84	23476	20.08	ug/l #	83
21) trans-1,2-Dichloroethene	3.140	96	22710	20.63	ug/l	90
22) Diisopropyl ether	3.829	45	82999	25.77	ug/l	94
23) Vinyl Acetate	3.787	43	363160	131.86	ug/l #	92
24) 1,1-Dichloroethane	3.676	63	44494	23.46	ug/l	98
25) 2-Butanone	4.635	43	96409	130.20	ug/l	92
26) 2,2-Dichloropropane	4.552	77	40438	23.47	ug/l	95
27) cis-1,2-Dichloroethene	4.564	96	25635	20.21	ug/l	86
28) Bromochloromethane	4.982	49	19085	23.52	ug/l #	81
29) Tetrahydrofuran	5.093	42	61714	129.85	ug/l #	84
30) Chloroform	5.182	83	46166	24.16	ug/l	97
31) Cyclohexane	5.552	56	40455	23.62	ug/l	90
32) 1,1,1-Trichloroethane	5.464	97	41287	24.80	ug/l	95
36) 1,1-Dichloropropene	5.770	75	34039	23.83	ug/l	97
37) Ethyl Acetate	4.793	43	37348	27.49	ug/l #	93
38) Carbon Tetrachloride	5.752	117	36989	26.73	ug/l	97
39) Methylcyclohexane	7.441	83	38979	21.77	ug/l	93
40) Benzene	6.111	78	96408	22.52	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	20982	27.46	ug/l	89
42) 1,2-Dichloroethane	6.158	62	40827	28.69	ug/l	93
43) Isopropyl Acetate	6.411	43	64001	27.70	ug/l #	90
44) Trichloroethene	7.188	130	25895	23.01	ug/l	96
45) 1,2-Dichloropropane	7.488	63	25968	24.21	ug/l	97
46) Dibromomethane	7.635	93	18239	25.25	ug/l	91
47) Bromodichloromethane	7.876	83	37913	25.20	ug/l	99
48) Methyl methacrylate	7.747	41	33011	28.47	ug/l #	81
49) 1,4-Dioxane	7.711	88	11313	418.06	ug/l #	86
51) 4-Methyl-2-Pentanone	8.617	43	188765	140.28	ug/l	87
52) Toluene	8.765	92	58603	21.98	ug/l	100
53) t-1,3-Dichloropropene	9.023	75	38760	22.97	ug/l	100
54) cis-1,3-Dichloropropene	8.417	75	41739	22.58	ug/l #	84
55) 1,1,2-Trichloroethane	9.194	97	23648	22.45	ug/l	97
56) Ethyl methacrylate	9.159	69	37215	21.83	ug/l #	73
57) 1,3-Dichloropropane	9.353	76	41936	23.21	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.288	63	83398	100.02	ug/l	94
59) 2-Hexanone	9.470	43	140209	138.88	ug/l	85
60) Dibromochloromethane	9.565	129	27199	24.47	ug/l	99
61) 1,2-Dibromoethane	9.653	107	25448	23.04	ug/l	98
64) Tetrachloroethene	9.318	164	26376	27.67	ug/l	95
65) Chlorobenzene	10.124	112	59769	21.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.206	131	24034	23.43	ug/l	98
67) Ethyl Benzene	10.235	91	111484	22.11	ug/l	98
68) m/p-Xylenes	10.341	106	80231	43.24	ug/l	91
69) o-Xylene	10.682	106	38048	21.01	ug/l	92
70) Styrene	10.694	104	65415	21.05	ug/l	95
71) Bromoform	10.841	173	18512	23.35	ug/l #	98
73) Isopropylbenzene	11.000	105	105898	21.68	ug/l	98
74) N-amyl acetate	10.882	43	49916	25.23	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.253	83	32752	20.80	ug/l	100
76) 1,2,3-Trichloropropane	11.277	75	33987m	25.55	ug/l	
77) Bromobenzene	11.235	156	24268	21.35	ug/l	90
78) n-propylbenzene	11.341	91	122381	21.97	ug/l	98
79) 2-Chlorotoluene	11.406	91	73675	21.83	ug/l	97
80) 1,3,5-Trimethylbenzene	11.488	105	88730	21.83	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.059	75	11075	18.43	ug/l #	86
82) 4-Chlorotoluene	11.494	91	84274	21.66	ug/l	97
83) tert-Butylbenzene	11.753	119	79933	20.21	ug/l	88
84) 1,2,4-Trimethylbenzene	11.788	105	90190	21.86	ug/l	98
85) sec-Butylbenzene	11.930	105	98479	21.13	ug/l	99
86) p-Isopropyltoluene	12.047	119	87575	20.51	ug/l	95
87) 1,3-Dichlorobenzene	12.006	146	43400	21.33	ug/l	97
88) 1,4-Dichlorobenzene	12.083	146	43873	21.17	ug/l	97
89) n-Butylbenzene	12.371	91	81475	21.37	ug/l	95
90) Hexachloroethane	12.577	117	16130	19.78	ug/l	95
91) 1,2-Dichlorobenzene	12.377	146	43397	21.85	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.983	75	8229	22.82	ug/l	79
93) 1,2,4-Trichlorobenzene	13.630	180	26662	20.93	ug/l	96
94) Hexachlorobutadiene	13.765	225	11234	22.02	ug/l	94
95) Naphthalene	13.818	128	89526	19.74	ug/l	99
96) 1,2,3-Trichlorobenzene	14.000	180	27323	21.60	ug/l	96

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

