

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050721\
 Data File : VX021865.D
 Acq On : 07 May 2021 10:26
 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
 5/10/2021 2:22:41 PM

Quant Time: May 07 12:01:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 07 12:00:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	101355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	194196	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	171811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76180	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	8455	6.73	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	=	13.46%#	
35) Dibromofluoromethane	5.397	113	6799	5.38	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	10.76%#	
50) Toluene-d8	8.653	98	25182	5.20	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	=	10.40%#	
62) 4-Bromofluorobenzene	11.085	95	9785	5.34	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	10.68%#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6233	6.03	ug/l	98
3) Chloromethane	1.294	50	7825	5.33	ug/l	98
4) Vinyl Chloride	1.374	62	8873	7.02	ug/l	99
5) Bromomethane	1.599	94	3687	6.94	ug/l	98
6) Chloroethane	1.678	64	4954	6.34	ug/l	98
7) Trichlorofluoromethane	1.880	101	12341	7.21	ug/l	99
8) Diethyl Ether	2.136	74	5109	7.29	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.325	101	6361	6.47	ug/l #	88
10) Methyl Iodide	2.447	142	7210	8.72	ug/l	100
11) Tert butyl alcohol	2.983	59	12615	44.09	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	6819	6.86	ug/l	95
13) Acrolein	2.239	56	7770	39.01	ug/l	94
14) Allyl chloride	2.660	41	12585	7.61	ug/l	92
15) Acrylonitrile	3.075	53	20512	36.77	ug/l	99
16) Acetone	2.392	43	18366	41.05	ug/l	97
17) Carbon Disulfide	2.508	76	18357	6.48	ug/l	99
18) Methyl Acetate	2.715	43	10118	8.28	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	21499	6.32	ug/l	97
20) Methylene Chloride	2.794	84	8832	7.07	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	6872	6.04	ug/l	95
22) Diisopropyl ether	3.770	45	22838	6.97	ug/l #	90
23) Vinyl Acetate	3.733	43	110329	37.62	ug/l	96
24) 1,1-Dichloroethane	3.617	63	13103	6.81	ug/l	95
25) 2-Butanone	4.574	43	30359	39.61	ug/l	93
26) 2,2-Dichloropropane	4.483	77	11945	6.49	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	8575	6.62	ug/l	95
28) Bromochloromethane	4.903	49	6041	7.29	ug/l	83
29) Tetrahydrofuran	5.019	42	18095	37.09	ug/l	96
30) Chloroform	5.105	83	13863	6.71	ug/l	91
31) Cyclohexane	5.477	56	10908	6.32	ug/l	84
32) 1,1,1-Trichloroethane	5.403	97	11997	6.58	ug/l	97
36) 1,1-Dichloropropene	5.702	75	9906	5.67	ug/l	99
37) Ethyl Acetate	4.727	43	12169	6.98	ug/l	98
38) Carbon Tetrachloride	5.684	117	10258	5.40	ug/l	97
39) Methylcyclohexane	7.385	83	11147	5.01	ug/l	95
40) Benzene	6.050	78	30308	5.76	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6380	6.56	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	10386	6.03	ug/l	96
43) Isopropyl Acetate	6.354	43	19630	6.46	ug/l	97
44) Trichloroethene	7.129	130	7131	4.81	ug/l	96
45) 1,2-Dichloropropane	7.440	63	7996	5.79	ug/l	92
46) Dibromomethane	7.586	93	5155	5.39	ug/l	90
47) Bromodichloromethane	7.830	83	10983	5.61	ug/l	98
48) Methyl methacrylate	7.696	41	9604	6.59	ug/l	92
49) 1,4-Dioxane	7.671	88	4185	126.22	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	62540	35.27	ug/l	92
52) Toluene	8.720	92	19231	5.66	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	12476	5.66	ug/l	92
54) cis-1,3-Dichloropropene	8.372	75	13070	5.61	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	7668	5.52	ug/l #	92
56) Ethyl methacrylate	9.122	69	13318	6.18	ug/l	92
57) 1,3-Dichloropropane	9.317	76	12871	5.70	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	31820	30.18	ug/l	99
59) 2-Hexanone	9.433	43	47889	35.77	ug/l	91
60) Dibromochloromethane	9.525	129	8153	4.96	ug/l	99
61) 1,2-Dibromoethane	9.616	107	8166	5.44	ug/l	97
64) Tetrachloroethene	9.275	164	5457	4.20	ug/l #	88
65) Chlorobenzene	10.079	112	20218	5.61	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	7372	5.36	ug/l	97
67) Ethyl Benzene	10.195	91	35736	5.66	ug/l	98
68) m/p-Xylenes	10.305	106	28065	11.51	ug/l	97
69) o-Xylene	10.646	106	13903	5.91	ug/l	96
70) Styrene	10.659	104	22930	5.71	ug/l	98
71) Bromoform	10.805	173	5687	4.69	ug/l #	97
73) Isopropylbenzene	10.963	105	35297	6.34	ug/l	100
74) N-amyl acetate	10.848	43	18134	7.85	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.219	83	12966	7.42	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	9377m	5.73	ug/l	
77) Bromobenzene	11.201	156	7381	5.21	ug/l	85
78) n-propylbenzene	11.305	91	40697	6.51	ug/l	97
79) 2-Chlorotoluene	11.366	91	24938	6.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	29666	6.25	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	4553	6.39	ug/l	94
82) 4-Chlorotoluene	11.457	91	28097	6.54	ug/l	99
83) tert-Butylbenzene	11.719	119	29557	6.29	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	29259	6.11	ug/l	100
85) sec-Butylbenzene	11.896	105	35176	6.41	ug/l	99
86) p-Isopropyltoluene	12.012	119	29176	5.72	ug/l	96
87) 1,3-Dichlorobenzene	11.975	146	13972	5.64	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	14130	5.61	ug/l	89
89) n-Butylbenzene	12.335	91	26532	6.03	ug/l	99
90) Hexachloroethane	12.542	117	5540	6.03	ug/l	75
91) 1,2-Dichlorobenzene	12.341	146	14330	5.94	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3008	7.64	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	8185	4.88	ug/l	96
94) Hexachlorobutadiene	13.725	225	3438	4.30	ug/l	99
95) Naphthalene	13.780	128	34015	6.30	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8173	5.03	ug/l	96

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

