

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061021\
 Data File : VX022632.D
 Acq On : 10 Jun 2021 10:15
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/11/2021 6:08:30 PM

Quant Time: Jun 10 11:38:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 11:37:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	63622	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	131117	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	6608	5.842	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	11.680%#
35) Dibromofluoromethane	5.403	113	4360	5.315	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.620%#
50) Toluene-d8	8.653	98	17715	5.412	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.820%#
62) 4-Bromofluorobenzene	11.085	95	6563	5.394	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.780%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3691	4.975	ug/l	97
3) Chloromethane	1.294	50	4974	5.551	ug/l	97
4) Vinyl Chloride	1.374	62	4589	5.247	ug/l	92
5) Bromomethane	1.599	94	2876	6.259	ug/l	99
6) Chloroethane	1.678	64	2861	5.195	ug/l	# 85
7) Trichlorofluoromethane	1.886	101	6931	5.441	ug/l	97
8) Diethyl Ether	2.136	74	2951	5.683	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	4322	5.534	ug/l	91
10) Methyl Iodide	2.446	142	3811	4.146	ug/l	95
11) Tert butyl alcohol	2.983	59	7887	31.089	ug/l	95
12) 1,1-Dichloroethene	2.318	96	4204	5.211	ug/l	96
13) Acrolein	2.245	56	3428	26.747	ug/l	99
14) Allyl chloride	2.666	41	7571	5.118	ug/l	92
15) Acrylonitrile	3.074	53	14043	26.551	ug/l	99
16) Acetone	2.392	43	13805	27.163	ug/l	97
17) Carbon Disulfide	2.514	76	8822	4.527	ug/l	96
18) Methyl Acetate	2.715	43	8253	5.888	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	13938	5.182	ug/l	98
20) Methylene Chloride	2.794	84	5580	5.259	ug/l	# 79
21) trans-1,2-Dichloroethene	3.093	96	4530	4.986	ug/l	96
22) Diisopropyl ether	3.776	45	15560	5.243	ug/l	# 92
23) Vinyl Acetate	3.733	43	69821	25.002	ug/l	96
24) 1,1-Dichloroethane	3.617	63	9487	5.616	ug/l	99
25) 2-Butanone	4.574	43	22128	26.345	ug/l	98
26) 2,2-Dichloropropane	4.477	77	7160	5.531	ug/l	80
27) cis-1,2-Dichloroethene	4.495	96	5368	5.032	ug/l	92
28) Bromochloromethane	4.909	49	4520	5.294	ug/l	# 82
29) Tetrahydrofuran	5.025	42	12968	26.309	ug/l	88
30) Chloroform	5.111	83	9065	5.343	ug/l	92
31) Cyclohexane	5.476	56	7380	5.516	ug/l	# 82
32) 1,1,1-Trichloroethane	5.397	97	7339	5.454	ug/l	94
36) 1,1-Dichloropropene	5.696	75	6586	5.192	ug/l	98
37) Ethyl Acetate	4.727	43	8480	5.212	ug/l	# 93
38) Carbon Tetrachloride	5.684	117	5573	5.237	ug/l	# 91
39) Methylcyclohexane	7.385	83	7025	5.120	ug/l	# 82
40) Benzene	6.043	78	20690	5.285	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	4409	4.925	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	7459	5.169	ug/l	100
43) Isopropyl Acetate	6.354	43	13002	4.927	ug/l #	95
44) Trichloroethene	7.135	130	4733	5.124	ug/l	97
45) 1,2-Dichloropropane	7.439	63	5707	5.668	ug/l	93
46) Dibromomethane	7.586	93	3603	5.250	ug/l #	80
47) Bromodichloromethane	7.824	83	5633	4.735	ug/l	97
48) Methyl methacrylate	7.702	41	6401	5.212	ug/l	89
49) 1,4-Dioxane	7.671	88	2576	103.718	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	42571	25.893	ug/l	92
52) Toluene	8.720	92	13101	5.329	ug/l	92
53) t-1,3-Dichloropropene	8.982	75	6304	4.483	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	7148	4.735	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	5178	5.404	ug/l	95
56) Ethyl methacrylate	9.116	69	7446	4.716	ug/l #	77
57) 1,3-Dichloropropane	9.311	76	8676	5.010	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	22495	24.286	ug/l	94
59) 2-Hexanone	9.433	43	32452	25.837	ug/l	85
60) Dibromochloromethane	9.524	129	3490	4.380	ug/l	98
61) 1,2-Dibromoethane	9.610	107	4693	4.646	ug/l	97
64) Tetrachloroethene	9.275	164	3941	4.911	ug/l	90
65) Chlorobenzene	10.079	112	13359	5.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	4061	5.168	ug/l	96
67) Ethyl Benzene	10.195	91	23865	5.207	ug/l	99
68) m/p-Xylenes	10.305	106	17716	10.634	ug/l	96
69) o-Xylene	10.646	106	8650	5.310	ug/l	99
70) Styrene	10.658	104	13411	4.870	ug/l	96
71) Bromoform	10.799	173	1768	3.801	ug/l #	92
73) Isopropylbenzene	10.963	105	22530	5.386	ug/l	100
74) N-amyl acetate	10.847	43	11401	5.080	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	7772	5.162	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	6876m	5.171	ug/l	
77) Bromobenzene	11.201	156	4952	5.494	ug/l	83
78) n-propylbenzene	11.305	91	25721	5.066	ug/l	99
79) 2-Chlorotoluene	11.366	91	16449	5.444	ug/l	94
80) 1,3,5-Trimethylbenzene	11.457	105	18429	5.156	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	1613	3.498	ug/l #	64
82) 4-Chlorotoluene	11.457	91	17981	5.142	ug/l	96
83) tert-Butylbenzene	11.719	119	16453	5.168	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	18477	5.140	ug/l	100
85) sec-Butylbenzene	11.890	105	22217	5.244	ug/l	97
86) p-Isopropyltoluene	12.012	119	18493	5.281	ug/l	94
87) 1,3-Dichlorobenzene	11.975	146	8950	5.114	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	9202	5.047	ug/l	91
89) n-Butylbenzene	12.335	91	16545	4.921	ug/l	97
90) Hexachloroethane	12.542	117	2159	4.410	ug/l	67
91) 1,2-Dichlorobenzene	12.341	146	8808	5.302	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1238	4.485	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	4565	4.571	ug/l	90
94) Hexachlorobutadiene	13.725	225	1708	4.772	ug/l	90
95) Naphthalene	13.780	128	18047	4.507	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	4661	4.670	ug/l	96

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

