

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021074.D
 Acq On : 08 Mar 2021 20:07
 Operator : JC/MD
 Sample : M1596-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20210305MS

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:04:18 PM

Quant Time: Mar 09 01:09:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	202198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	354653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	330269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	159623	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	134013	49.07	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.14%		
35) Dibromofluoromethane	5.464	113	110355	51.21	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.42%		
50) Toluene-d8	8.694	98	433037	51.54	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.08%		
62) 4-Bromofluorobenzene	11.118	95	159090	51.21	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.42%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	98587	45.09	ug/l	97
3) Chloromethane	1.311	50	121597	50.06	ug/l	100
4) Vinyl Chloride	1.393	62	139845	50.01	ug/l	99
5) Bromomethane	1.622	94	49430	53.34	ug/l	99
6) Chloroethane	1.705	64	90464	51.70	ug/l	98
7) Trichlorofluoromethane	1.917	101	176788	50.07	ug/l	98
8) Diethyl Ether	2.170	74	82152	50.15	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.370	101	104088	47.86	ug/l	99
10) Methyl Iodide	2.493	142	147387	50.44	ug/l	96
11) Tert butyl alcohol	3.011	59	116441	191.45	ug/l	98
12) 1,1-Dichloroethene	2.358	96	109511	48.39	ug/l	98
13) Acrolein	2.270	56	90072	239.17	ug/l	98
14) Allyl chloride	2.705	41	169461	45.82	ug/l	98
15) Acrylonitrile	3.111	53	306055	235.84	ug/l	99
16) Acetone	2.417	43	237731	211.24	ug/l	99
17) Carbon Disulfide	2.552	76	293186	45.47	ug/l	99
18) Methyl Acetate	2.746	43	115456	43.37	ug/l	99
19) Methyl tert-butyl Ether	3.164	73	389579	48.19	ug/l	99
20) Methylene Chloride	2.834	84	129774	48.07	ug/l	97
21) trans-1,2-Dichloroethene	3.140	96	121892	47.95	ug/l	100
22) Diisopropyl ether	3.823	45	361927	48.67	ug/l	95
23) Vinyl Acetate	3.782	43	1382234	217.37	ug/l	100
24) 1,1-Dichloroethane	3.670	63	220088	50.25	ug/l	100
25) 2-Butanone	4.629	43	384059	224.65	ug/l	99
26) 2,2-Dichloropropane	4.552	77	161863	40.70	ug/l	98
27) cis-1,2-Dichloroethene	4.564	96	149896	51.18	ug/l	97
28) Bromochloromethane	4.982	49	95678	51.07	ug/l	96
29) Tetrahydrofuran	5.088	42	247659	225.69	ug/l	99
30) Chloroform	5.176	83	222482	50.42	ug/l	100
31) Cyclohexane	5.546	56	188398	47.64	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	189311	49.26	ug/l	99
36) 1,1-Dichloropropene	5.770	75	167405	49.66	ug/l	100
37) Ethyl Acetate	4.788	43	140286	43.75	ug/l	99
38) Carbon Tetrachloride	5.752	117	160608	49.18	ug/l	97
39) Methylcyclohexane	7.441	83	200150	47.35	ug/l	98
40) Benzene	6.111	78	511033	50.58	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	86150	47.76	ug/l	99
42) 1,2-Dichloroethane	6.158	62	177661	52.88	ug/l	99
43) Isopropyl Acetate	6.411	43	241307	44.24	ug/l	100
44) Trichloroethene	7.188	130	144600	54.43	ug/l	99
45) 1,2-Dichloropropane	7.488	63	129921	51.31	ug/l	98
46) Dibromomethane	7.635	93	88116	51.67	ug/l	99
47) Bromodichloromethane	7.876	83	185812	52.32	ug/l	99
48) Methyl methacrylate	7.747	41	132362	48.37	ug/l	99
49) 1,4-Dioxane	7.711	88	56575	885.70	ug/l	99
51) 4-Methyl-2-Pentanone	8.617	43	780858	245.85	ug/l	100
52) Toluene	8.765	92	333692	53.03	ug/l	98
53) t-1,3-Dichloropropene	9.023	75	197941	49.70	ug/l	97
54) cis-1,3-Dichloropropene	8.412	75	214819	49.24	ug/l	99
55) 1,1,2-Trichloroethane	9.194	97	134811	54.22	ug/l	98
56) Ethyl methacrylate	9.159	69	200188	49.74	ug/l	99
57) 1,3-Dichloropropane	9.353	76	230301	53.99	ug/l	99
59) 2-Hexanone	9.471	43	572054	240.05	ug/l	100
60) Dibromochloromethane	9.565	129	144453	55.05	ug/l	98
61) 1,2-Dibromoethane	9.653	107	138478	53.12	ug/l	100
64) Tetrachloroethene	9.318	164	135079	56.67	ug/l	98
65) Chlorobenzene	10.118	112	362161	52.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.206	131	127189	49.58	ug/l	96
67) Ethyl Benzene	10.235	91	635292	50.37	ug/l	99
68) m/p-Xylenes	10.341	106	476669	102.72	ug/l	97
69) o-Xylene	10.682	106	233869	51.64	ug/l	95
70) Styrene	10.694	104	401032	51.61	ug/l	99
71) Bromoform	10.835	173	102727	51.82	ug/l #	98
73) Isopropylbenzene	11.000	105	621251	49.28	ug/l	100
74) N-amyl acetate	10.882	43	200873	39.34	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.253	83	185816	45.72	ug/l	99
76) 1,2,3-Trichloropropane	11.277	75	159689m	46.50	ug/l	
77) Bromobenzene	11.235	156	152498	51.98	ug/l	96
78) n-propylbenzene	11.341	91	682610	47.48	ug/l	99
79) 2-Chlorotoluene	11.406	91	413513	47.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.488	105	519734	49.54	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.059	75	62453	40.27	ug/l	96
82) 4-Chlorotoluene	11.494	91	476149	47.42	ug/l	99
83) tert-Butylbenzene	11.753	119	487129	47.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.788	105	508553	47.76	ug/l	98
85) sec-Butylbenzene	11.930	105	570703	47.45	ug/l	100
86) p-Isopropyltoluene	12.047	119	531429	48.21	ug/l	99
87) 1,3-Dichlorobenzene	12.012	146	272568	51.91	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	258799	48.37	ug/l	98
89) n-Butylbenzene	12.371	91	445767	45.30	ug/l	100
90) Hexachloroethane	12.577	117	94587	44.94	ug/l	91
91) 1,2-Dichlorobenzene	12.377	146	254057	49.56	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.983	75	40228	43.23	ug/l	98
93) 1,2,4-Trichlorobenzene	13.630	180	155466	47.28	ug/l	98
94) Hexachlorobutadiene	13.765	225	61246	46.50	ug/l	98
95) Naphthalene	13.818	128	543531	46.43	ug/l	100
96) 1,2,3-Trichlorobenzene	14.001	180	161141	49.35	ug/l	98

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

