

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064321.D
 Acq On : 27 Oct 2020 11:40
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:32 PM

Quant Time: Oct 27 12:02:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	256569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	419863	108.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.94%	
35) Dibromofluoromethane	7.55	113	298519	105.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.58%	
50) Toluene-d8	10.06	98	1097602	108.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.18%	
62) 4-Bromofluorobenzene	12.38	95	434452	105.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	290304	104.119	ug/l	99
3) Chloromethane	2.04	50	320166	108.489	ug/l	100
4) Vinyl Chloride	2.16	62	317556	107.721	ug/l	98
5) Bromomethane	2.51	94	197902	102.655	ug/l	95
6) Chloroethane	2.66	64	184020	103.052	ug/l	100
7) Trichlorofluoromethane	2.98	101	542645	111.860	ug/l	98
8) Diethyl Ether	3.37	74	174181	108.675	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	263182	105.135	ug/l	98
10) Methyl Iodide	3.91	142	377608	106.696	ug/l	99
11) Tert butyl alcohol	4.74	59	313243	589.678	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	258077	107.130	ug/l	95
13) Acrolein	3.57	56	67474	237.845	ug/l	91
14) Allyl chloride	4.27	41	529229	109.979	ug/l	97
15) Acrylonitrile	4.93	53	716807	649.420	ug/l	100
16) Acetone	3.77	43	728795	633.520	ug/l	100
17) Carbon Disulfide	4.01	76	741908	108.070	ug/l	100
18) Methyl Acetate	4.27	43	321252	112.941	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1002092	118.358	ug/l	98
20) Methylene Chloride	4.50	84	297836	101.934	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	286989	108.183	ug/l	92
22) Diisopropyl ether	5.90	45	1038819	114.050	ug/l	95
23) Vinyl Acetate	5.84	43	4652298	575.950	ug/l	99
24) 1,1-Dichloroethane	5.79	63	566009	108.424	ug/l	99
25) 2-Butanone	6.78	43	1092677	608.005	ug/l	99
26) 2,2-Dichloropropane	6.78	77	543230	104.637	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	335844	108.165	ug/l	100
28) Bromochloromethane	7.15	49	276873	111.481	ug/l	99
29) Tetrahydrofuran	7.16	42	715392	656.085	ug/l	99
30) Chloroform	7.33	83	600386	107.709	ug/l	99
31) Cyclohexane	7.61	56	481626	104.673	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	568429	108.966	ug/l	99
36) 1,1-Dichloropropene	7.75	75	448999	106.275	ug/l	99
37) Ethyl Acetate	6.88	43	456272	116.370	ug/l	99
38) Carbon Tetrachloride	7.73	117	522260	108.049	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	444346	114.525	ug/l	97
40) Benzene	8.00	78	1220878	104.618	ug/l	99
41) Methacrylonitrile	7.12	41	216864	105.783	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	533512	105.991	ug/l	99
43) Isopropyl Acetate	8.13	43	788446	109.251	ug/l	99
44) Trichloroethene	8.80	130	328718	103.235	ug/l	97
45) 1,2-Dichloropropane	9.08	63	328327	105.589	ug/l	99
46) Dibromomethane	9.17	93	233023	110.697	ug/l	98
47) Bromodichloromethane	9.37	83	501092	108.135	ug/l	98
48) Methyl methacrylate	9.16	41	402887	107.461	ug/l	98
49) 1,4-Dioxane	9.16	88	122041	2649.430	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2306320	590.998	ug/l	100
52) Toluene	10.12	92	782108	104.993	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	570118	111.278	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	578672	106.913	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	307894	108.906	ug/l	98
56) Ethyl methacrylate	10.40	69	497318	113.674	ug/l	98
57) 1,3-Dichloropropane	10.68	76	541598	110.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1313472	585.043	ug/l	99
59) 2-Hexanone	10.72	43	1737858	607.704	ug/l	100
60) Dibromochloromethane	10.87	129	388846	106.356	ug/l	99
61) 1,2-Dibromoethane	10.98	107	336223	112.400	ug/l	99
64) Tetrachloroethene	10.60	164	321700	102.716	ug/l	97
65) Chlorobenzene	11.41	112	844953	105.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	333866	105.182	ug/l	98
67) Ethyl Benzene	11.48	91	1578603	107.213	ug/l	99
68) m/p-Xylenes	11.59	106	1172958	214.845	ug/l	98
69) o-Xylene	11.92	106	566977	108.102	ug/l	96
70) Styrene	11.94	104	965559	109.347	ug/l	99
71) Bromoform	12.10	173	283869	115.503	ug/l #	97
73) Isopropylbenzene	12.22	105	1499030	99.532	ug/l	100
74) N-amyl acetate	12.04	43	718085	109.565	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	428720	105.824	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	460160m	106.648	ug/l	
77) Bromobenzene	12.50	156	373584	104.279	ug/l	99
78) n-propylbenzene	12.57	91	1740118	102.121	ug/l	100
79) 2-Chlorotoluene	12.65	91	1063515	101.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1290284	101.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	181710	108.628	ug/l	97
82) 4-Chlorotoluene	12.75	91	1120701	102.703	ug/l	99
83) tert-Butylbenzene	12.97	119	1060103	101.504	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1301963	102.397	ug/l	99
85) sec-Butylbenzene	13.14	105	1357824	103.149	ug/l	100
86) p-Isopropyltoluene	13.26	119	1246586	103.859	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	668289	105.296	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	666286	102.805	ug/l	99
89) n-Butylbenzene	13.59	91	1092161	102.226	ug/l	100
90) Hexachloroethane	13.85	117	239901	108.399	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	649786	104.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	113623	111.700	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	370590	107.150	ug/l	99
94) Hexachlorobutadiene	14.98	225	185552	99.043	ug/l	98
95) Naphthalene	15.10	128	1145826	110.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	356388	104.023	ug/l	97

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

