

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060266.D
 Acq On : 27 Feb 2020 12:14
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM

Quant Time: Feb 27 12:34:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:29:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	365305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	342214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	436895	153.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.98%	
35) Dibromofluoromethane	7.57	113	213706	121.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.38%	
50) Toluene-d8	10.08	98	1332611	156.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.32%	
62) 4-Bromofluorobenzene	12.40	95	521430	163.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	297203	139.927	ug/l	100
3) Chloromethane	2.04	50	483964	129.094	ug/l	99
4) Vinyl Chloride	2.16	62	432268	138.577	ug/l	99
5) Bromomethane	2.52	94	178011	129.389	ug/l	99
6) Chloroethane	2.67	64	239001	143.093	ug/l	95
7) Trichlorofluoromethane	3.00	101	559649	142.030	ug/l	99
8) Diethyl Ether	3.38	74	214732	136.561	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	317129	138.596	ug/l	99
10) Methyl Iodide	3.93	142	342840	176.805	ug/l	100
11) Tert butyl alcohol	4.73	59	300695	700.627	ug/l	99
12) 1,1-Dichloroethene	3.71	96	323283	141.304	ug/l	99
13) Acrolein	3.57	56	314411	808.069	ug/l	100
14) Allyl chloride	4.29	41	538568	129.793	ug/l	93
15) Acrylonitrile	4.94	53	864185	749.106	ug/l	99
16) Acetone	3.78	43	679816	740.878	ug/l	99
17) Carbon Disulfide	4.03	76	849774	126.722	ug/l	99
18) Methyl Acetate	4.28	43	435888	135.205	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	1131377	143.592	ug/l	99
20) Methylene Chloride	4.52	84	362314	141.773	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	345164	133.302	ug/l	98
22) Diisopropyl ether	5.92	45	1197188	145.853	ug/l	97
23) Vinyl Acetate	5.86	43	4693770	728.895	ug/l	98
24) 1,1-Dichloroethane	5.82	63	664284	144.561	ug/l	100
25) 2-Butanone	6.80	43	1132179	758.044	ug/l	98
26) 2,2-Dichloropropane	6.80	77	592664	140.664	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	404003	130.267	ug/l	100
28) Bromochloromethane	7.17	49	273208	145.688	ug/l	100
29) Tetrahydrofuran	7.18	42	753089	696.967	ug/l	98
30) Chloroform	7.35	83	654101	142.543	ug/l	99
31) Cyclohexane	7.63	56	571651	133.537	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	585002	143.017	ug/l	99
36) 1,1-Dichloropropene	7.77	75	497284	140.812	ug/l	99
37) Ethyl Acetate	6.90	43	488641	147.521	ug/l	100
38) Carbon Tetrachloride	7.75	117	505183	144.509	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	582884	140.638	ug/l	98
40) Benzene	8.02	78	1463078	140.485	ug/l	99
41) Methacrylonitrile	7.15	41	240260m	152.307	ug/l	
42) 1,2-Dichloroethane	8.10	62	525800	139.155	ug/l	100
43) Isopropyl Acetate	8.14	43	850461	144.531	ug/l	99
44) Trichloroethene	8.82	130	398554	138.000	ug/l	99
45) 1,2-Dichloropropane	9.10	63	393347	141.744	ug/l	100
46) Dibromomethane	9.19	93	254415	144.514	ug/l	100
47) Bromodichloromethane	9.39	83	529207	149.474	ug/l	98
48) Methyl methacrylate	9.18	41	396311	150.109	ug/l	98
49) 1,4-Dioxane	9.18	88	101305	2590.867	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2420189	727.996	ug/l	97
52) Toluene	10.14	92	936166	144.602	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	626360	145.108	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	655766	143.174	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	364095	138.115	ug/l	99
56) Ethyl methacrylate	10.42	69	595930	161.313	ug/l	100
57) 1,3-Dichloropropane	10.70	76	615639	143.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1512427	756.085	ug/l	99
59) 2-Hexanone	10.74	43	1804469	731.971	ug/l	97
60) Dibromochloromethane	10.89	129	410321	158.004	ug/l	100
61) 1,2-Dibromoethane	11.00	107	379838	148.887	ug/l	98
64) Tetrachloroethene	10.62	164	395404	127.270	ug/l	99
65) Chlorobenzene	11.43	112	993664	140.840	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	380804	145.471	ug/l	100
67) Ethyl Benzene	11.50	91	1819526	141.510	ug/l	99
68) m/p-Xylenes	11.62	106	1376867	288.982	ug/l	96
69) o-Xylene	11.94	106	670659	143.521	ug/l	97
70) Styrene	11.96	104	1162536	155.515	ug/l	100
71) Bromoform	12.12	173	306310	165.610	ug/l #	99
73) Isopropylbenzene	12.25	105	1790629	135.206	ug/l	98
74) N-amyl acetate	12.06	43	805584	140.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	501219	138.335	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	495569m	120.794	ug/l	
77) Bromobenzene	12.52	156	447084	136.799	ug/l	100
78) n-propylbenzene	12.59	91	2087706	133.321	ug/l	99
79) 2-Chlorotoluene	12.67	91	1236247	134.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1536490	136.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	210159	151.949	ug/l #	88
82) 4-Chlorotoluene	12.77	91	1312334	136.667	ug/l	99
83) tert-Butylbenzene	12.99	119	1323425	136.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1549259	136.560	ug/l	99
85) sec-Butylbenzene	13.17	105	1779703	135.834	ug/l	99
86) p-Isopropyltoluene	13.28	119	1634650	137.837	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	819022	136.497	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	809686	135.248	ug/l	99
89) n-Butylbenzene	13.61	91	1524863	138.742	ug/l	99
90) Hexachloroethane	13.87	117	269766	153.750	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	769469	134.713	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	111797	136.743	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534312	130.509	ug/l	100
94) Hexachlorobutadiene	15.01	225	242891	117.283	ug/l	99
95) Naphthalene	15.13	128	1555573	128.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	500001	124.578	ug/l	99

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

