

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056374.D
 Acq On : 19 Jun 2019 9:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:52:05 PM

Quant Time: Jun 20 04:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	364655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	561964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	499737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	86709	21.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.32%	
35) Dibromofluoromethane	7.59	113	74318	20.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.56%	
50) Toluene-d8	10.09	98	281870	20.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.14%	
62) 4-Bromofluorobenzene	12.40	95	91690	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	66784	21.121 ug/l	99
3) Chloromethane	2.06	50	89612	21.078 ug/l	100
4) Vinyl Chloride	2.18	62	84201	20.181 ug/l	98
5) Bromomethane	2.53	94	52864m	21.907 ug/l	
6) Chloroethane	2.68	64	50047	20.970 ug/l	96
7) Trichlorofluoromethane	3.00	101	108062	20.193 ug/l	100
8) Diethyl Ether	3.41	74	44596	20.804 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67704	19.534 ug/l	98
10) Methyl Iodide	3.95	142	91987	20.551 ug/l	100
11) Tert butyl alcohol	4.80	59	79342	122.607 ug/l	97
12) 1,1-Dichloroethene	3.73	96	65570	19.551 ug/l	95
13) Acrolein	3.60	56	56956	227.521 ug/l	99
14) Allyl chloride	4.32	41	107295	19.116 ug/l	99
15) Acrylonitrile	4.99	53	190803	103.824 ug/l	99
16) Acetone	3.82	43	211042	95.380 ug/l	99
17) Carbon Disulfide	4.05	76	138201	15.793 ug/l	98
18) Methyl Acetate	4.32	43	82564	17.040 ug/l	98
19) Methyl tert-butyl Ether	5.04	73	214248	20.803 ug/l	98
20) Methylene Chloride	4.55	84	80822	20.303 ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	70393	19.756 ug/l	98
22) Diisopropyl ether	5.95	45	227266	20.440 ug/l	100
23) Vinyl Acetate	5.90	43	922005	102.130 ug/l	100
24) 1,1-Dichloroethane	5.85	63	130679	20.111 ug/l	99
25) 2-Butanone	6.84	43	279397	102.738 ug/l	99
26) 2,2-Dichloropropane	6.82	77	88101	18.802 ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	83881	20.258 ug/l	98
28) Bromochloromethane	7.19	49	66115	20.327 ug/l	99
29) Tetrahydrofuran	7.21	42	167166	102.834 ug/l	100
30) Chloroform	7.37	83	130057	20.127 ug/l	100
31) Cyclohexane	7.65	56	125961	20.112 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	103478	19.392 ug/l	99
36) 1,1-Dichloropropene	7.79	75	95985	19.154 ug/l	99
37) Ethyl Acetate	6.93	43	103768	21.747 ug/l	99
38) Carbon Tetrachloride	7.77	117	84347	17.760 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120496	19.752	ug/l	97
40) Benzene	8.04	78	305951	20.142	ug/l	100
41) Methacrylonitrile	7.18	41	50098m	23.444	ug/l	
42) 1,2-Dichloroethane	8.12	62	100442	20.185	ug/l	100
43) Isopropyl Acetate	8.16	43	150294	19.723	ug/l #	92
44) Trichloroethene	8.83	130	82041	19.822	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80577	20.035	ug/l	99
46) Dibromomethane	9.21	93	52063	19.572	ug/l	99
47) Bromodichloromethane	9.40	83	89591	17.780	ug/l	98
48) Methyl methacrylate	9.20	41	76226	19.969	ug/l	96
49) 1,4-Dioxane	9.20	88	31960	416.166	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	494202	101.929	ug/l	99
52) Toluene	10.16	92	186490	20.160	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	89101	17.714	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	108340	18.593	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76114	19.936	ug/l	99
56) Ethyl methacrylate	10.43	69	110198	20.105	ug/l	100
57) 1,3-Dichloropropane	10.71	76	128810	20.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	190870	105.358	ug/l	99
59) 2-Hexanone	10.75	43	366005	101.952	ug/l	99
60) Dibromochloromethane	10.90	129	66976	17.015	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76320	19.482	ug/l	99
64) Tetrachloroethene	10.63	164	79882	19.703	ug/l	98
65) Chlorobenzene	11.43	112	198929	19.709	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	67180	17.943	ug/l	98
67) Ethyl Benzene	11.51	91	351679	20.258	ug/l	99
68) m/p-Xylenes	11.62	106	266054	41.253	ug/l	99
69) o-Xylene	11.95	106	131499	20.688	ug/l	98
70) Styrene	11.96	104	206782	20.161	ug/l	99
71) Bromoform	12.13	173	44406	15.574	ug/l #	99
73) Isopropylbenzene	12.25	105	341217	21.090	ug/l	100
74) N-amyl acetate	12.07	43	122757	20.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	106454	20.142	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86273m	21.482	ug/l	
77) Bromobenzene	12.53	156	86362	20.265	ug/l	98
78) n-propylbenzene	12.59	91	360004	21.279	ug/l	100
79) 2-Chlorotoluene	12.67	91	224544	20.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278087	21.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20664	16.392	ug/l	92
82) 4-Chlorotoluene	12.77	91	207179	20.829	ug/l	100
83) tert-Butylbenzene	12.99	119	248429	21.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	267172	21.776	ug/l	99
85) sec-Butylbenzene	13.17	105	320620	21.571	ug/l	99
86) p-Isopropyltoluene	13.29	119	273286	21.492	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131294	20.436	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	123049	19.967	ug/l	99
89) n-Butylbenzene	13.61	91	193206	20.293	ug/l	99
90) Hexachloroethane	13.87	117	39357	16.164	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129931	20.608	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13715	16.993	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	44482	16.757	ug/l	99
94) Hexachlorobutadiene	15.01	225	49147	19.507	ug/l	98
95) Naphthalene	15.13	128	122170	17.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51050	17.854	ug/l	99

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

