

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062233.D
 Acq On : 30 Jun 2020 12:26
 Operator : JC/MD
 Sample : VN0630WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:40 AM

Quant Time: Jul 01 04:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	224200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	159136	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.54	113	124084	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.06	98	495186	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.37	95	161781	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45175	17.826	ug/l	99
3) Chloromethane	2.03	50	57145	18.306	ug/l	97
4) Vinyl Chloride	2.16	62	68028	17.046	ug/l	99
5) Bromomethane	2.53	94	49716	19.275	ug/l	98
6) Chloroethane	2.67	64	46750	17.148	ug/l	97
7) Trichlorofluoromethane	2.98	101	84628	17.209	ug/l	100
8) Diethyl Ether	3.37	74	32916	19.169	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48423	18.804	ug/l	97
10) Methyl Iodide	3.91	142	52843	18.221	ug/l	99
11) Tert butyl alcohol	4.73	59	40146	88.871	ug/l	99
12) 1,1-Dichloroethene	3.70	96	47459	18.435	ug/l	97
13) Acrolein	3.56	56	44452	100.507	ug/l	100
14) Allyl chloride	4.27	41	68062	19.419	ug/l	100
15) Acrylonitrile	4.93	53	114726	93.198	ug/l	100
16) Acetone	3.77	43	98693	97.463	ug/l	99
17) Carbon Disulfide	4.01	76	131989	17.932	ug/l	99
18) Methyl Acetate	4.27	43	50145	20.049	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	156720	19.051	ug/l	97
20) Methylene Chloride	4.50	84	59933	20.623	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	52312	17.837	ug/l	96
22) Diisopropyl ether	5.90	45	157689	19.759	ug/l	96
23) Vinyl Acetate	5.84	43	625897	96.062	ug/l	98
24) 1,1-Dichloroethane	5.80	63	98823	19.230	ug/l	99
25) 2-Butanone	6.78	43	143371	93.228	ug/l	97
26) 2,2-Dichloropropane	6.78	77	77675	18.138	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	59422	18.006	ug/l	98
28) Bromochloromethane	7.15	49	40287	18.068	ug/l	97
29) Tetrahydrofuran	7.17	42	96840	96.131	ug/l	97
30) Chloroform	7.33	83	100377	19.198	ug/l	99
31) Cyclohexane	7.61	56	80809	18.590	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	81667	18.521	ug/l	97
36) 1,1-Dichloropropene	7.75	75	72547	17.902	ug/l	98
37) Ethyl Acetate	6.88	43	60933	18.158	ug/l	98
38) Carbon Tetrachloride	7.73	117	68106	17.826	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80793	18.195	ug/l	99
40) Benzene	8.00	78	225947	18.292	ug/l	100
41) Methacrylonitrile	7.12	41	25432	16.347	ug/l	92
42) 1,2-Dichloroethane	8.08	62	79900	19.146	ug/l	99
43) Isopropyl Acetate	8.12	43	101430	18.542	ug/l #	90
44) Trichloroethene	8.80	130	53503	17.171	ug/l	100
45) 1,2-Dichloropropane	9.08	63	58621	19.237	ug/l	97
46) Dibromomethane	9.17	93	37979	18.382	ug/l	97
47) Bromodichloromethane	9.37	83	78176	18.740	ug/l	99
48) Methyl methacrylate	9.17	41	45146	18.406	ug/l	99
49) 1,4-Dioxane	9.17	88	17351	318.994	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	302789	94.737	ug/l	99
52) Toluene	10.12	92	140918	18.698	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	82615	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	92365	18.903	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	56902	19.207	ug/l	97
56) Ethyl methacrylate	10.40	69	72508	18.340	ug/l	97
57) 1,3-Dichloropropane	10.68	76	96153	18.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	134447	90.830	ug/l	99
59) 2-Hexanone	10.72	43	212957	92.273	ug/l	98
60) Dibromochloromethane	10.87	129	56395	17.980	ug/l	99
61) 1,2-Dibromoethane	10.98	107	53506	17.577	ug/l	97
64) Tetrachloroethene	10.60	164	41889	16.259	ug/l	98
65) Chlorobenzene	11.40	112	148268	17.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	52802	18.436	ug/l	98
67) Ethyl Benzene	11.48	91	257552	18.412	ug/l	98
68) m/p-Xylenes	11.59	106	198026	36.601	ug/l	99
69) o-Xylene	11.92	106	90929	17.812	ug/l	95
70) Styrene	11.94	104	153099	17.983	ug/l	99
71) Bromoform	12.10	173	34313	16.850	ug/l #	99
73) Isopropylbenzene	12.22	105	243238	18.863	ug/l	100
74) N-amyl acetate	12.04	43	80997	19.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	82720	19.277	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71169m	18.148	ug/l	
77) Bromobenzene	12.50	156	57558	17.979	ug/l	95
78) n-propylbenzene	12.56	91	285181	19.334	ug/l	99
79) 2-Chlorotoluene	12.65	91	168028	18.843	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	202068	19.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23435	17.452	ug/l	91
82) 4-Chlorotoluene	12.75	91	170251	18.463	ug/l	100
83) tert-Butylbenzene	12.97	119	165946	18.549	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	200146	19.170	ug/l	98
85) sec-Butylbenzene	13.15	105	233079	19.717	ug/l	100
86) p-Isopropyltoluene	13.26	119	202310	19.534	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	102449	18.224	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	101918	17.587	ug/l	98
89) n-Butylbenzene	13.59	91	164894	19.150	ug/l	99
90) Hexachloroethane	13.85	117	39509	19.443	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	99191	18.195	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12795	18.613	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41229	17.312	ug/l	98
94) Hexachlorobutadiene	14.98	225	20780	20.090	ug/l	99
95) Naphthalene	15.10	128	109412	16.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	42469	17.440	ug/l	99

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

