

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060438.D
 Acq On : 11 Mar 2020 10:29
 Operator : JC/MD
 Sample : VN0311WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:29 PM

Quant Time: Mar 12 03:53:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124401	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.56	113	92953	61.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.14%	
50) Toluene-d8	10.08	98	358239	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.40	95	133072	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27339	14.825	ug/l	99
3) Chloromethane	2.04	50	49284	15.351	ug/l	99
4) Vinyl Chloride	2.16	62	41368	15.024	ug/l	99
5) Bromomethane	2.54	94	18242	14.766	ug/l	98
6) Chloroethane	2.68	64	22888	15.342	ug/l	95
7) Trichlorofluoromethane	3.00	101	55779	15.856	ug/l	99
8) Diethyl Ether	3.38	74	22555	16.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33574	16.863	ug/l	99
10) Methyl Iodide	3.93	142	25575	14.075	ug/l	99
11) Tert butyl alcohol	4.73	59	35897	93.683	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	32775	16.911	ug/l	95
13) Acrolein	3.58	56	35246	98.599	ug/l	99
14) Allyl chloride	4.29	41	61771	17.338	ug/l	99
15) Acrylonitrile	4.94	53	95466	94.523	ug/l	98
16) Acetone	3.78	43	80201	96.241	ug/l	100
17) Carbon Disulfide	4.03	76	78010	14.716	ug/l	99
18) Methyl Acetate	4.29	43	50357	18.108	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124957	17.811	ug/l	100
20) Methylene Chloride	4.52	84	38397	16.778	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34647	16.402	ug/l	97
22) Diisopropyl ether	5.91	45	130903	18.139	ug/l	95
23) Vinyl Acetate	5.86	43	525062	91.560	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73021	17.875	ug/l	99
25) 2-Butanone	6.80	43	129422	96.151	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65418	17.590	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43110	16.245	ug/l	97
28) Bromochloromethane	7.17	49	30629	18.261	ug/l	98
29) Tetrahydrofuran	7.18	42	87225	93.189	ug/l	98
30) Chloroform	7.35	83	73041	17.961	ug/l	99
31) Cyclohexane	7.63	56	63462	17.328	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	63017	17.490	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51685	16.537	ug/l	99
37) Ethyl Acetate	6.90	43	54821	18.525	ug/l	99
38) Carbon Tetrachloride	7.75	117	50517	16.601	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	58579	15.897	ug/l	96
40) Benzene	8.02	78	158367	17.409	ug/l	100
41) Methacrylonitrile	7.14	41	24468	17.906	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58518	17.827	ug/l	99
43) Isopropyl Acetate	8.14	43	96694	18.664	ug/l	99
44) Trichloroethene	8.82	130	42603	16.816	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44216	18.591	ug/l	97
46) Dibromomethane	9.19	93	26801	17.367	ug/l	99
47) Bromodichloromethane	9.39	83	56932	18.139	ug/l	99
48) Methyl methacrylate	9.18	41	40917	17.319	ug/l	99
49) 1,4-Dioxane	9.18	88	12378	372.565	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	280060	95.341	ug/l	99
52) Toluene	10.14	92	98620	17.259	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65930	17.143	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70517	17.695	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39847	17.341	ug/l	98
56) Ethyl methacrylate	10.42	69	58135	17.610	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67849	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156974	90.915	ug/l	98
59) 2-Hexanone	10.74	43	198904	92.224	ug/l	99
60) Dibromochloromethane	10.89	129	41838	17.903	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39452	17.612	ug/l	98
64) Tetrachloroethene	10.62	164	43583	17.577	ug/l	96
65) Chlorobenzene	11.43	112	102796	17.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39996	17.898	ug/l	99
67) Ethyl Benzene	11.50	91	190603	17.318	ug/l	99
68) m/p-Xylenes	11.62	106	138609	33.379	ug/l	98
69) o-Xylene	11.94	106	68553	17.312	ug/l	98
70) Styrene	11.96	104	108260	16.628	ug/l	99
71) Bromoform	12.12	173	28844	17.909	ug/l #	100
73) Isopropylbenzene	12.24	105	185134	17.529	ug/l	99
74) N-amyl acetate	12.06	43	81332	17.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54204	18.880	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	51913m	16.605	ug/l	
77) Bromobenzene	12.52	156	43899	16.956	ug/l	97
78) n-propylbenzene	12.59	91	212486	17.163	ug/l	99
79) 2-Chlorotoluene	12.67	91	127215	17.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	155183	17.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20003	17.662	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130572	17.030	ug/l	97
83) tert-Butylbenzene	12.99	119	130081	16.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	152315	16.970	ug/l	99
85) sec-Butylbenzene	13.17	105	175933	17.064	ug/l	99
86) p-Isopropyltoluene	13.28	119	158328	16.592	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	78748	17.578	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78923	17.619	ug/l	99
89) n-Butylbenzene	13.61	91	139449	15.919	ug/l	99
90) Hexachloroethane	13.87	117	21532	15.589	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76021	16.758	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10694	16.449	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46137	16.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	23607	17.443	ug/l	98
95) Naphthalene	15.13	128	133307	15.513	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44965	16.441	ug/l	99

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

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